

Table A4-1
Surface Sediment Grab Observation Summary

Station ID	Date Collected	Recovery Depth (cm)	Sample Interval (cm)	Field Observations of Samples						PID (ppm)	Grab Quality Notes and Number of Attempts
				Moisture, Density, and Color	Sediment Type	Biota	Organic Matter and Anthropogenic Material/Debris	Odor	Sheen		
NC001SG	5/6/2012	16	0-1	Wet, very soft, olive brown	Slightly f-sandy SILT	Trace worms	Trace organic matter (shell fragments, wood fragments up to 2 cm), trace anthropogenic material (plastic pieces up to 1 cm)	Trace H2S-like odor	None	0	FSAP parameters met, 1st attempt accepted
			1-15	Wet, soft, black	Clayey, slightly f-sandy, ORGANIC SILT	Trace worms	Trace organic matter (shell fragments, wood fragments up to 4 cm long)				
NC002SG	5/9/2012	16	0-3	Wet, soft, olive brown	f-sandy SILT	Trace worms and shrimp	Trace organic matter (shell fragments)	Slight to moderate H2S-like odor	Trace metallic sheen florets	0	FSAP parameters met, 3rd attempt accepted
			3-15	Wet, soft to medium stiff, dark gray to black	f-sandy, SILT	Trace worms	None				
NC003SG	5/6/2012	16	0-1	Wet, soft, olive brown	f-sandy, SILT	Trace worms	Trace organic matter (shell fragments, wood fragments up to 6 cm)	None	None	0	FSAP parameters met, 4th attempt accepted
			1-15	Wet, soft, black	Slightly clayey, and slightly f-sandy ORGANIC SILT	Trace worms	Trace organic matter (shell fragments, wood fragments up to 4 cm)				
NCO04SG	5/9/2012	17	0-2	Wet, soft, olive brown	SILT and trace f-sand	Trace snails and worms	None	None	None	0	FSAP parameters met, 1st attempt accepted
			2-15	Wet, soft to medium stiff, dark gray to black	SILT, trace f-sand	Trace worms	None				
NC005SG	5/6/2012	10	0-3	Wet, very soft, olive brown	SILT, trace f-sand	Occasional worm tubes and trace worms	None	None	None	0	Good grab, depth accepted on 4th attempt
			3-15	Wet, soft, black	ORGANIC SILT, trace clay and f-sand	Trace worms	None				
NC006SG	5/9/2012	13	0-2	Wet, soft, dark olive brown	SILT, trace f-sand	Trace worms	None	Trace H2S-like odor	None	0	Good grab, depth accepted on 3rd attempt
			2-13	Wet, soft, black	ORGANIC SILT, trace f-sand	Trace worms	None				
NC007SG	5/9/2012	13	0-2	Wet, very soft, dark olive brown	SILT, trace f-sand	Trace worms	Trace organic matter (leaves)	Slight H2S-like odor	None	0	Good grab, depth accepted on 3rd attempt
			2-13	Wet, soft, black	ORGANIC SILT, trace f-sand	Trace worms	None				
NC008SG	5/9/2012	13	0-8	Wet, soft, olive brown	SILT, trace f-sand	Trace worms	Trace organic matter (leaves)	None	None	0	Good grab, depth accepted on 3rd attempt
			8-13	Wet, soft, light gray	SILT, trace f-sand	Trace worms	None				

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				Moisture, Density, and Color	Sediment Type	Biota	Organic Matter and Anthropogenic Material/Debris	Odor	Sheen		
NC009SG	5/10/2012	16	0-5	Wet, very soft, olive brown	SILT, trace fm-sand	Trace snails	Trace organic matter (twig, hair-like fibers)	None	None	0	FSAP parameters met, 1st attempt accepted
			5-15	Wet, very soft, olive brown; At 5 cm, grades to soft, dark gray to black	SILT, trace f-sand	None	Trace organic matter (hair-like fibers)				
NC010SG	5/6/2012	18	0-1	Wet, very soft, olive brown	SILT	Trace worms and snails	None	Trace H2S-like odor	None	0	FSAP parameters met, 3rd attempt accepted
			1-15	Wet, soft, black	ORGANIC SILT, trace clay and f-sand	Trace worms	None				
NC011SG	5/10/2012	13	0-1	Wet, very soft, olive brown	SILT, trace f-sand	Trace snails and worms	None	None	None	0	Good grab, depth accepted on 3rd attempt
			1-13	Wet, soft, dark gray to black	SILT, trace f-sand	Trace worms	None				
NC012SG	5/10/2012	16	0-5	Wet, very soft, light brown	SILT, trace f-sand	None	None	Trace H2S-like odor	None	0	FSAP parameters met, 2nd attempt accepted
			.5-15	Wet, soft, black	ORGANIC SILT, trace f-sand	None	None				
NC013SG	5/6/2012	13	0-1	Wet, very soft, olive gray	SILT	None	None	Slight H2S-like odor	Trace metallic sheen streaks and rainbow sheen florets	0	Good grab, depth accepted on 3rd attempt
			.1-13	Wet, soft, black	ORGANIC SILT, trace f-sand	Trace worms	Trace organic matter (hair-like fibers, wood twigs up to 7 cm)				
NC014SG	5/10/2012	15	0-5	Wet, very soft, olive brown	SILT, trace f-sand	None	None	Trace H2S-like odor	None	0	FSAP parameters met, 2nd attempt accepted
			.5-15	Wet, soft, dark gray	SILT, trace f-sand	None	None				
NC015SG	5/6/2012	16	0-5	Wet, very soft, olive brown	SILT, trace f-sand	Trace snails	Trace organic matter (hair-like fibers)	Slight H2S-like odor	Trace metallic sheen streaks and rainbow sheen florets	0	FSAP parameters met, 1st attempt accepted
			5-15	Wet, soft, black	ORGANIC SILT, trace f-sand	None	Trace organic matter (hair-like fibers)				
NC016SG	5/6/2012	18	0-4	Wet, very soft, olive brown	SILT, trace f-sand	Trace snails	None	Trace H2S-like odor and septic-like odor	Trace metallic sheen florets	0	FSAP parameters met, 2nd attempt accepted
			4-15	Wet, soft, black	ORGANIC SILT, trace f-sand	Trace worms	None				
NC017SG	4/16/2012	9	0-1	Wet, very soft, olive brown	SILT, trace f-sand	Trace worms	None	None	None	0	Good grab, depth accepted on 4th attempt, replicate grab taken in order to meet volume requirements
			1-9	Wet, very soft, black	ORGANIC SILT, trace f-c sand	None	Clam shell 3 cm in diameter				
NC018SG	4/19/2012	16	0-1	Wet, very soft, olive brown	SILT	None	None	Trace H2S-like odor	None	0	FSAP parameters met, 1st attempt accepted
			1-15	Wet, soft, black	ORGANIC SILT, trace f-sand	Trace worms	None				
NC019SG	4/16/2012	13	0-2	Wet, very soft, olive brown	SILT	None	None	Moderate H2S-like odor	None	0	Good grab, depth accepted on 7th attempt
			2-13	Wet, very soft, black	ORGANIC SILT, trace f-sand	Trace worms	None				

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				Moisture, Density, and Color	Sediment Type	Biota	Organic Matter and Anthropogenic Material/Debris	Odor	Sheen		
NC021SG	4/19/2012	19	0-1	Wet, very soft, olive brown	SILT, trace f-sand	Grass shrimp on surface	None	Slight H2S-like odor	None	0.1	FSAP parameters met, 3rd attempt accepted
			1-10	Wet, soft, black	ORGANIC SILT, trace f-c gravel and m-sand	None	None				
			10-15	Moist, loose, dark gray	c-grain SAND	Trace worms	None				
NC022SG	4/19/2012	16	Trace	Wet, soft, olive brown	SILT	None	None	None	Trace rainbow sheen florets	0	FSAP parameters met, 1st attempt accepted
			0-15	Wet, soft, black	Slightly m-sandy, ORGANIC SILT	Trace worms and grass shrimp	Trace organic matter (hair-like fibers)				
NC023SG	4/19/2012	18	0-4	Wet, soft, olive brown	SILT	None	None	None	Trace rainbow sheen florets	0	FSAP parameters met, 5th attempt accepted
			4-15	Wet, soft, black	Slightly m-sandy, ORGANIC SILT	Trace worms	Trace organic matter (hair-like fibers)				
NC024SG	4/19/2012	15	0-5	Wet, very soft, olive brown	SILT, trace f-sand	Trace worms	None	Slight H2S-like odor	Trace rainbow sheen florets	0	FSAP parameters met, 7th attempt accepted
			5-15	Wet, very soft, black	ORGANIC SILT, trace f-sand	Trace worms	None				
NC025SG	4/21/2012	11	0-1	Wet, very soft, olive brown	SILT	Trace Snail	None	None	Trace rainbow sheen florets	0	Good grab, depth accepted on 6th attempt
			1-11	Wet, very soft, black	ORGANIC SILT, trace f-sand	Trace worms	Trace anthropogenic material (plastic wrapper)				
NC026SG	4/19/2012	15	0-10	Wet, very soft, olive brown	SILT, trace f-sand	Occasional worms	None	None	Trace rainbow sheen florets	0	FSAP parameters met, 4th attempt accepted
			10-15	Wet, soft, black	ORGANIC SILT, trace f-sand	Trace worms	None				
NC027SG	5/6/2012	10	0-2	Wet, very soft, olive brown	SILT, trace f-sand	Trace worms and snails	Trace organic matter (shell fragments up to 1 cm)	Trace H2S-like odor	Trace metallic sheen streaks	0	Good grab, depth accepted on 5th attempt
			2-10	Wet, very soft, dark gray	SILT, trace f-sand	None	Trace organic matter (hair-like fibers)				
NC028SG	5/6/2012	12	0-3	Wet, very soft, olive brown	SILT, trace f-sand	Trace worms, worm tubes, and snails	Trace organic matter (wood fragments up to 3 cm)	Trace H2S-like odor	Trace metallic sheen streaks	0	Good grab, depth accepted on 3rd attempt
			3-12	Wet, very soft, dark gray with black mottling	SILT, trace f-sand	Trace worms	Trace organic matter (hair-like fibers, wood fragments up to 2 cm), trace anthropogenic debris (plastic fragments up to 2 cm)				
NC029SG	4/24/2012	15	Trace	Wet, very soft, olive brown	SILT	None	None	Slight H2S-like odor	Slight rainbow sheen florets	0	FSAP parameters met, 2nd attempt accepted
			0-15	Wet, very soft, very dark gray	SILT, trace f-sand	Trace snails	None				

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				Moisture, Density, and Color	Sediment Type	Biota	Organic Matter and Anthropogenic Material/Debris	Odor	Sheen		
NC030SG	5/1/2012	17	0-1	Wet, very soft, olive brown	SILT	Trace worm tubes	None	Slight to moderate H2S-like odor	Slight rainbow and metallic sheen florets	0	FSAP parameters met, 2nd attempt accepted
			1-15	Wet, very soft, black	ORGANIC SILT, trace f-m sand	Trace worms	Trace organic matter (12 cm wood fragments, twigs, and leaves) and hair-like fibers				
NC031SG	5/1/2012	17	Trace	Wet, very soft, olive brown	SILT	None	None	Slight H2S-like odor	Slight rainbow and metallic sheen florets	0	FSAP parameters met, 2nd attempt accepted
			0-15	Wet, very soft, black	ORGANIC SILT, trace f-sand	Trace worms	Trace organic matter (leaf litter, twigs, and hair-like fibers)				
NC032SG	5/1/2012	16	0-2	Wet, very soft, olive brown	SILT	None	None	Slight H2S-like odor	Slight rainbow and metallic sheen florets	0	FSAP parameters met, 1st attempt accepted
			1-15	Wet, very soft, black	ORGANIC SILT, trace f-sand	Trace worms	Trace organic matter (hair-like fibers, twigs), trace anthropogenic material (brick fragments)				
NC033SG	4/21/2012	15	Trace	Wet, very soft, olive brown	SILT	None	None	Slight H2S-like odor	Slight rainbow sheen florets	0	FSAP parameters met, 2nd attempt accepted
			0-15	Wet, very soft to soft, black	ORGANIC SILT, trace f-sand	Trace worms	None				
NC034SG	4/21/2012	11	Trace	Wet, very soft, olive brown	SILT	None	None	Trace H2S-like odor	Trace rainbow and metallic sheen florets	0	Good grab, depth accepted on 5th attempt
			0-11	Wet, very soft, black	ORGANIC SILT, trace f-sand	Trace worms	Trace organic matter (hair-like fibers), trace anthropogenic material (plastic)				
NC035SG	4/21/2012	15	0-1	Wet, very soft, olive brown	SILT	Trace worms and snails	None	Trace H2S-like odor	Trace rainbow sheen florets	0	FSAP parameters met, 2nd attempt accepted
			1-15	Wet, very soft, black	ORGANIC SILT, trace f-sand	Trace worms and snails	Organic matter (decomposing flat wood piece, 15 cm long, 5 cm wide) at bottom of grab				
NC036SG	4/30/2012	17	0-1	Wet, very soft, olive brown	SILT	Trace worms	None	Trace H2S-like odor	None	0	FSAP parameters met, 1st attempt accepted
			1-15	Wet, very soft, black	Slightly f-sandy, ORGANIC SILT, trace clay	Trace worms	Trace organic matter (twigs, leaves)				
NC037SG	4/21/2012	14	1-14	Wet, very soft, black	ORGANIC SILT, trace f-sand	None	None	None	None	0	Good grab, depth accepted on 5th attempt
NC038SG	4/23/2012	15	Trace	Wet, very soft, olive brown	ORGANIC SILT, trace f-sand	None	None	None	Slight rainbow sheen florets	0.2	FSAP parameters met, 6th attempt accepted
			0-15	Wet, very soft, black	m-sandy, ORGANIC SILT, trace clay and f-c gravel	Trace worms	Trace anthropogenic material (metal fragments)				
NC039SG	4/21/2012	17	0-1	Wet, very soft, olive brown	SILT	None	None	None	Trace rainbow sheen florets	0	FSAP parameters met, 1st attempt accepted
			1-15	Wet, very soft, black	ORGANIC SILT, trace f-sand	Trace snails and worms	Trace organic matter (wood fragments and shell fragments)				
NC040SG	4/23/2012	10	Trace	Wet, very soft, olive brown	SILT	None	None	Trace petroleum-like odor	Slight rainbow sheen florets	0	Good grab, depth accepted on 6th attempt
			0-10	Wet, very soft, black	ORGANIC SILT, trace f-sand	Trace worms	Trace organic matter (leaf stems, wood chips 1 cm in length)				

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NC041SG	4/23/2012	15	Trace	Wet, very soft, olive brown	SILT	None	None	Slight H2S-like odor	Slight metallic sheen florets	0	FSAP parameters met, 1st attempt accepted
			0-15	Wet, very soft, black	ORGANIC SILT, trace f-sand	Trace worms	None				
NC042SG	4/23/2012	15	Trace	Wet, very soft, olive brown	SILT	None	None	Trace H2S-like odor	Slight rainbow sheen florets	0	FSAP parameters met, 2nd attempt accepted
			0-15	Wet, very soft, black	ORGANIC SILT, trace clay	Trace worms	None				
NC043SG	4/30/2012	16	0-1	Wet, very soft, olive brown	SILT	Trace worms	None	Trace H2S-like odor and petroleum-like odor	Trace rainbow and metallic sheen florets	0	FSAP parameters met, 1st attempt accepted
			1-15	Wet, very soft, black	ORGANIC SILT, trace clay	Trace worms	None				
NC044SG	4/23/2012	12	Trace	Wet, very soft, olive brown	SILT and trace f-sand	None	None	None	Slight rainbow sheen florets and trace metallic sheen florets	0.1	Good grab, depth accepted on 6th attempt
			0-12	Wet, very soft, black	f-c gravelly, ORGANIC SILT, trace f-sand	Trace snails on surface	Trace organic matter				
NC045SG	4/24/2012	12	Trace	Wet, very soft, olive brown	SILT	None	None	None	Trace rainbow sheen florets	0.2	Good grab, depth accepted on 4th attempt
			0-12	Wet, very soft, black	ORGANIC SILT, trace f-sand and clay	Trace worms	Trace organic matter (shell fragments), trace anthropogenic material (metal fragments, aggregate, up to 5 mm in diameter)				
NC046SG	4/30/2012	16	0-1	Wet, very soft, olive brown	SILT	None	None	None	Trace rainbow sheen florets	0	FSAP parameters met, 2nd attempt accepted
			1-15	Wet, very soft, black	ORGANIC SILT, trace clay and f-sand	Trace worms	Trace organic matter (hair-like fibers)				
NC047SG	4/23/2012	8	Trace	Wet, very soft, olive brown	SILT	None	None	None	Slight rainbow sheen florets	0	Good grab, depth accepted on 9th attempt
			0-8	Wet, very soft, black	ORGANIC SILT, trace f-sand and f-c gravel	None	Trace organic matter (hair-like fibers)				
NC048SG	4/24/2012	12	Trace	Wet, very soft, olive brown	SILT	None	None	Trace petroleum-like odor	Slight rainbow sheen florets	0.2	Good grab, depth accepted on 7th attempt
			0-12	Wet, very soft, black	Slightly f-c gravelly, slightly sandy, ORGANIC SILT	Trace worms	None				
NC049SG	4/30/2012	16	0-5	Wet, very soft, olive brown	SILT	None	None	None	Slight rainbow sheen florets	0	FSAP parameters met, 1st attempt accepted
			5-15	Wet, very soft, black	Slightly clayey, ORGANIC SILT, trace f-m sand	Trace worms	Trace organic matter (hair-like fibers)				
NC050SG	4/30/2012	17	Trace	Wet, very soft, olive brown	SILT	None	None	Moderate H2S-like odor	Moderate rainbow and metallic sheen florets	0	FSAP parameters met, 1st attempt accepted
			0-15	Wet, very soft, black	Slightly clayey, ORGANIC SILT	Trace worms	None				
NC051SG	4/30/2012	17	Trace	Wet, very soft, olive brown	SILT	None	Trace organic matter (leaves)	Slight H2S-like odor	Trace metallic sheen florets	0	FSAP parameters met, 1st attempt accepted
			0-15	Wet, soft, black	ORGANIC SILT, trace f-sand and clay	Trace worms	Trace organic matter (hair-like fibers, twigs)				
NC052SG	4/30/2012	15	Trace	Wet, very soft, olive brown	SILT	None	Trace organic matter (leaves)	Trace H2S-like odor	Moderate rainbow and metallic sheen florets	0	FSAP parameters met, 1st attempt accepted
			0-15	Wet, very soft, black	ORGANIC SILT, trace f-sand and clay	Trace worms	None				

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NC053SG	4/30/2012	21	0-1	Wet, very soft, olive brown	SILT	Trace shrimp	None	Slight H2S-like odor	Moderate rainbow and metallic sheen florets	0	FSAP parameters met, 1st attempt accepted
			1-15	Wet, very soft, black	ORGANIC SILT, trace f-sand and clay	Trace worms	None				
NC054SG	4/30/2012	16	Trace	Wet, very soft, olive brown	SILT	None	Trace organic matter (leaves)	Slight H2S-like odor	Slight rainbow and metallic sheen florets	0	FSAP parameters met, 1st attempt accepted
			0-15	Wet, very soft, black	ORGANIC SILT, trace f-sand and clay	Trace worms	Trace organic matter (hair-like fibers, twigs)				
NC055SG	4/30/2012	17	Trace	Wet, very soft, olive brown	SILT	Trace worm tubes	None	Slight H2S-like odor	Slight rainbow and metallic sheen florets	0	FSAP parameters met, 1st attempt accepted
			0-15	Wet, very soft, black	ORGANIC SILT, trace clay	None	Trace organic matter (hair-like fibers, twigs), trace anthropogenic debris (plastic)				
NC056SG	4/30/2012	16	0-1	Wet, very soft, olive brown	SILT	Trace worm tubes	None	Trace H2S-like odor	Slight rainbow and metallic sheen florets	0	FSAP parameters met, 1st attempt accepted
			1-15	Wet, very soft, black	ORGANIC SILT, trace f-sand	None	Trace anthropogenic material (brick fragments, 2.5 cm in length, fibrous thread, 150 cm in length)				
NC057SG	5/1/2012	16	Trace	Wet, very soft, olive brown	SILT	Trace worm tubes and shrimp-like organisms	None	Slight H2S-like odor and trace septic-like odor	Trace rainbow sheen florets	0	FSAP parameters met, 4th attempt accepted
			0-15	Wet, very soft, black	Slightly f-sandy, ORGANIC SILT	Trace worms	Trace organic matter (hair-like fibers, leaves)				
NC058SG	5/1/2012	18	0-1	Wet, very soft, olive brown	SILT	Trace worm tubes	None	Trace H2S-like odor	Slight rainbow and metallic sheen florets	0	FSAP parameters met, 1st attempt accepted
			1-6	Wet, very soft, black	ORGANIC SILT, trace clay	Trace worms	Trace organic matter (leaves and twigs)				
			6-15	Wet, very soft, black; at 6 cm, grades to very dark gray to black	Slightly clayey, SILT, trace m-sand	None	Trace organic matter (leaves, twigs), trace anthropogenic debris (plastic)				
NC059SG	5/1/2012	16	Trace	Wet, very soft, olive brown	SILT, trace f-sand	Trace worm tubes	None	None	Slight rainbow sheen florets and trace metallic sheen florets	0	FSAP parameters met, 1st attempt accepted
			0-15	Wet, very soft, black	Slightly f-sandy, ORGANIC SILT, trace clay	Trace worms	Trace organic matter (hair-like fibers, wood fragments up to 1 mm in diameter)				

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NC060SG	5/1/2012	17	Trace	Wet, very soft, olive brown	SILT, trace f-sand	None	None	Trace H2S-like and petroleum-like odor	Slight metallic sheen florets	0	FSAP parameters met, 1st attempt accepted
			0-8	Wet, very soft, black	Slightly f-m sandy, ORGANIC SILT	Trace bivalve shells, and worms	None				
			8-15	Wet, very soft, dark olive brown to black	m sandy, SILT, trace f-c gravel	Trace worms and centipedes	None				
NC061SG	5/1/2012	16	Trace	Wet, very soft, olive brown	SILT	Occasional worm tubes	None	Slight petroleum-like and trace H2S-like odors	Moderate metallic sheen streaks and trace rainbow sheen florets	0	FSAP parameters met, 3rd attempt accepted
			0-15	Wet, very soft, black	Slightly f-sandy, ORGANIC SILT, trace clay	Trace worms	None				
NC062SG	5/1/2012	19	Trace	Wet, very soft, olive brown	SILT, trace f-sand	Trace worm tubes	None	Moderate H2S-like odor	Moderate metallic sheen streaks and florets and trace rainbow sheen florets	0	FSAP parameters met, 2nd attempt accepted
			0-15	Wet, very soft, black	Slightly f-sandy, ORGANIC SILT, trace clay	None	None				
NC063SG	5/3/2012	18	0-.5	Wet, very soft, olive brown	SILT	Moderate worm tubes	None	Slight H2S-like odor	Slight rainbow sheen florets and trace metallic sheen streaks	0	FSAP parameters met, 1st attempt accepted
			.5-15	Wet, very soft, black	ORGANIC SILT, trace clay	None	None				
NC064SG	5/4/2012	16	0-.3	Wet, very soft, olive brown	SILT, trace f-sand	Occasional worm tubes	None	Slight H2S-like odor, slight septic-like odor	Moderate rainbow sheen florets and trace metallic sheen streaks	0	FSAP parameters met, 4th attempt accepted
			.3-15	Wet, very soft increasing in competency with depth, black	ORGANIC SILT, trace f-sand and clay	Trace worms	Trace anthropogenic material (aggregate, 6 cm in length)				
NC065SG	5/3/2012	13	0-.5	Wet, very soft, dark orange, brown and black mottling	SILT, trace f-sand	Trace worm tube, anthropods and snails	None	Trace septic-like odor	Slight rainbow sheen florets	0	Good grab, depth accepted on 3rd attempt
			.5-13	Wet, very soft, black	Slightly f-sandy, SILT	None	Moderate organic matter (decomposing leaves, twigs, and wood fragments up to 6 cm long)				
NC066SG	5/3/2012	18	0-2	Wet, very soft, dark olive	SILT	Occasional worm tubes	None	Slight H2S-like odor	Moderate to heavy metallic and rainbow sheen florets	0	FSAP parameters met, 1st attempt accepted
			2-15	Wet, very soft, black	ORGANIC SILT, trace f-sand	None	Trace organic matter (leaves and twigs up to 4 cm long)				
NC067SG	5/3/2012	21	0-1	Wet, very soft, dark olive brown	SILT	Trace worm tubes	None	Slight H2S-like odor	Moderate to heavy rainbow sheen florets and metallic sheen streaks	0	FSAP parameters met, 1st attempt accepted
			1-13	Wet, very soft, black	SILT, trace f-sand	None	None				
			13-15	Wet, very soft, black	ORGANIC SILT, trace clay	None	None				

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NC068SG	5/3/2012	11	0-.5	Wet, very soft, dark olive brown	SILT, trace fm-sand	None	None	Moderate to strong petroleum-like odor	Moderate to heavy rainbow and metallic sheen streaks and florets	0	Good grab, depth accepted on 3rd attempt
			.5-7	Wet, very soft, black	ORGANIC SILT, trace clay and f-m sand	None	Moderate organic matter (decomposing leaves and twigs up to 5 cm long)				
			7-11	Wet, very soft, black	ORGANIC SILT, trace clay and f-m sand	None	Occasional organic matter				
NC069SG	5/3/2012	16	0-.4	Wet, very soft, dark olive gray	SILT	None	Traced anthropogenic material (13 cm strip of plastic)	Slight H2S-like and petroleum-like odor	Trace rainbow sheen florets	0	FSAP parameters met, 1st attempt accepted
			.4-13	Wet, very soft, black	ORGANIC SILT, trace f-sand	None	Trace organic matter (wood fragments less than 1 cm in length)		Heavy rainbow and metallic sheen florets and streaks		
			13-15	Wet, very soft, black	ORGANIC SILT, trace clay	None	None				
NC070SG	5/3/2012	13	0-.2	Wet, very soft, olive brown	SILT	Trace worm tubes	None	Slight H2S-like odor	Heavy rainbow and metallic sheen florets	0	Good grab, depth accepted on 4th accepted
			.2-13	Wet, very soft, black	ORGANIC SILT, trace clay	None	Trace organic matter (hair-like fibers, leaf litter, and wood fragments up to 7 cm long)				
NC071SG	5/4/2012	22	0-.3	Wet, soft, dark olive gray	SILT, trace f-sand	Trace worm tubes	Trace organic matter (root twig, 3 cm)	Slight H2S-like odor	Slight rainbow sheen florets	0	FSAP parameters met, 1st attempt accepted
			.3-13	Wet, very soft, black	ORGANIC SILT	None	None		Moderate to heavy rainbow and metallic sheen streaks and florets		
			13-15	Wet, very soft, black	ORGANIC SILT, trace clay	None	None				
NC072SG	5/3/2012	20	0-1	Wet, soft, dark olive gray	SILT	Trace worm tubes	None	Slight to moderate H2S-like odor and petroleum-like odor	Trace rainbow sheen florets	0	FSAP parameters met, 1st attempt accepted
			1-15	Wet, very soft, black (increasing in competency with depth)	ORGANIC SILT, trace clay and f-m sand	None	None		Moderate to heavy rainbow and metallic sheen streaks and florets		
NC073SG	5/4/2012	18	0-.2	Wet, very soft, dark olive gray	SILT	Trace worm tubes	None	Slight H2S-like odor	Moderate rainbow sheen florets	0	FSAP parameters met, 1st attempt accepted
			.2-15	Wet, very soft, black	ORGANIC SILT, trace f-sand	None	Trace anthropogenic debris (12-ounce plastic lid)				
NC074SG	5/4/2012	17	0-.2	Wet, very soft, olive brown	SILT	None	None	Slight H2S-like odor	Moderate rainbow and metallic sheen florets	0	FSAP parameters met, 1st attempt accepted
			.2-15	Wet, very soft, black	ORGANIC SILT	None	None				
NC075SG	5/4/2012	25	0-.2	Wet, very soft, dark olive gray	SILT	Occasional worm tubes	None	Slight H2S-like odor	Trace rainbow sheen florets	0	FSAP parameters met, 3rd attempt accepted
			.2-15	Wet, very soft, black	ORGANIC SILT, trace f-sand	None	Trace organic matter (wood fibers up to 2 cm long)		Moderate metallic sheen streaks and rainbow sheen florets		

Table A4-1
Surface Sediment Grab Observation Summary

Station ID	Date Collected	Recovery Depth (cm)	Sample Interval (cm)	Field Observations of Samples						PID (ppm)	Grab Quality Notes and Number of Attempts
				Moisture, Density, and Color	Sediment Type	Biota	Organic Matter and Anthropogenic Material/Debris	Odor	Sheen		
NC076SG	5/4/2012	23	0-1	Wet, very soft, dark olive gray	SILT	Trace worm tubes and worms	None	Moderate H2S-like odor	Moderate rainbow sheen florets and metallic sheen streaks	0	FSAP parameters met, 1st attempt accepted
			1-15	Wet, very soft, black	ORGANIC SILT, trace f-sand	None	None				
NC077SG	5/4/2012	12	0-.2	Wet, very soft, dark olive brown	SILT	Trace worm tubes and worms	Trace organic matter (shells up to 2 cm in length)	None	Slight rainbow sheen florets	0	Good grab, depth accepted on 5th attempt
			.2-12	Wet, very soft increasing in competency with depth, black	ORGANIC SILT, trace clay and f-gravel	None	Trace organic matter (wood fibers up to 12 cm long and shells up to 2 cm in length)				
NC078SG	5/4/2012	10	0-.2	Wet, very soft, olive brown	SILT	Trace worm tubes	Trace organic matter (bivalve shells, 2 cm)	None	Slight rainbow sheen florets	0	Good grab, depth accepted on 2nd attempt
			.2-10	Wet, very soft, black	ORGANIC SILT, trace f-sand	Trace worms	Occasional organic matter (bivalve shells and shell fragments up to 2 cm in length)				
NC079SG	5/4/2012	10	0-.2	Wet, very soft, olive brown	ORGANIC SILT, trace f-sand	Occasional worm tubes	None	Slight to moderate petroleum-like odor	Moderate to heavy metallic sheen streaks and florets and trace rainbow sheen florets	0	Good grab, depth accepted on 3rd attempt
			.2-10	Wet, very soft and pockets of soft to medium stiff, black	ORGANIC SILT, trace f-c sand and f-c gravel	Trace worms	Occasional organic matter (up to 4 cm in diameter pockets of decomposing wood fibers)				
NC080SG	5/4/2012	15	0-.2	Wet, very soft, dark olive brown	SILT, trace f-sand	Slight worm tubes	None	Slight H2S-like odor	None	0	FSAP parameters met, 4th attempt accepted
			.2-13	Wet, very soft, black	ORGANIC SILT, fm-sand	None	Trace organic matter (leaves, twigs up to 3 cm)		Slight to moderate metallic rainbow and metallic sheen and streaks		
			13-15	Moist, soft, black	ORGANIC SILT, slightly clayey, slightly f-gravelly	None	Trace organic matter (leaves, twigs, and wood fragments up to 10 cm in length)		Moderate to heavy metallic sheen streaks and slight to moderate rainbow sheen florets		
EB001SG	4/17/2012	20.5	0-2	Wet, very soft, olive brown with black mottling	SILT, trace f-sand	Moderate to substantial worm tubes and trace worms	None	Moderate to strong H2S-like odor	Slight to moderate metallic sheen florets	0.2	FSAP parameters met, 1st attempt accepted
			2-15	Wet, very soft, black	ORGANIC SILT, trace f-sand	None	Trace organic matter (hair-like fibers)				
EB002SG	4/17/2012	17	0-15	Wet, very soft, black with brown mottling	ORGANIC SILT, trace f-sand	None	Trace to occasional organic matter (hair-like fibers, leaves and twigs)	Strong H2S-like odor	Slight metallic sheen florets	0	FSAP parameters met, 2nd attempt accepted

Table A4-1
Surface Sediment Grab Observation Summary

Station ID	Date Collected	Recovery Depth (cm)	Sample Interval (cm)	Field Observations of Samples						PID (ppm)	Grab Quality Notes and Number of Attempts
				Moisture, Density, and Color	Sediment Type	Biota	Organic Matter and Anthropogenic Material/Debris	Odor	Sheen		
EB003SG	4/17/2012	10	0-1	Wet, soft, light olive brown	ORGANIC SILT, trace f-sand	Moderate to substantial worm tubes	None	Strong H2S-like odor	Trace metallic sheen florets	0	Good grab, depth accepted on 3rd attempt
			1-10	Wet, very soft, black	ORGANIC SILT, trace f-sand	None	None				
EB004SG	5/7/2012	16	0-15	Wet, very soft, black	ORGANIC SILT, trace f-sand	None	Occasional organic matter (leaves and twigs up to 5 cm in length), occasional anthropogenic debris (plastic pieces, candy wrappers)	None	Moderate to heavy rainbow sheen streaks and florets	0	FSAP parameters met, 2nd attempt accepted
EB005SG	4/20/2012	16	0-15	Wet, very soft, black	Slightly f-m-sandy, ORGANIC SILT	None	Moderate organic matter (leaves), moderate anthropogenic debris (aluminum can, dust mask)	Slight petroleum-like odor	Moderate rainbow sheen florets	0	FSAP parameters met, 5th attempt accepted
EB006SG	5/7/2012	16	0-15	Wet, very soft, black	ORGANIC SILT, trace f-sand	None	Trace organic matter (hair-like fibers, leaves, twigs up to 8 cm in length), trace anthropogenic material	Slight H2S-like odor	Slight rainbow sheen florets and moderate to heavy metallic sheen streaks	0	FSAP parameters met, 1st attempt accepted
EB007SG	5/7/2012	12	0-4	Wet, very soft, black	Slightly f-sandy, ORGANIC SILT	None	Trace organic matter (leaves, twigs up to 3 cm)	Strong septic-like odor and moderate H2S-like odor	Moderate rainbow sheen streaks and slight rainbow sheen florets	0	Good grab, depth accepted on 3rd attempt
			4-12	Wet, very soft, black	Slightly f-sandy, ORGANIC SILT	None	Substantial organic matter (leaf litter and twigs), occasional anthropogenic debris (cloth-like material)				
EB008SG	5/8/2012	16	0-15	Wet, very soft, black	Slightly f-sandy, ORGANIC SILT	None	Occasional organic matter (hair-like fibers, leaves, and twigs up to 4 cm in length)	Moderate septic-like odor and trace H2S-like odor	Trace rainbow sheen florets and slight metallic sheen streaks	0	FSAP parameters met, 1st attempt accepted
EB009SG	5/8/2012	18	0-15	Wet, very soft, black	Slightly f-sandy, ORGANIC SILT	None	Occasional organic matter (hair-like fibers, leaves, and twigs up to 5 cm in length)	Moderate H2S-like and septic-like odor	Moderate metallic sheen streaks and trace rainbow sheen florets	0	FSAP parameters met, 1st attempt accepted
EB010SG	4/20/2012	9	0-9	Wet, very soft, black	f-m sandy, ORGANIC SILT	None	Moderate organic matter (leaves), occasional anthropogenic debris (plastic)	Slight petroleum-like odor	Moderate rainbow sheen florets	0	Good grab, depth accepted on 17th attempt
EK001SG	4/18/2012	21	Trace	Wet, very soft, olive brown	SILT	None	None	Moderate H2S-like odor	Moderate to heavy rainbow sheen florets	0	FSAP parameters met, 1st attempt accepted
			0-21	Wet, very soft, black	ORGANIC SILT, trace f-sand	Trace worm tubes and live worms	Trace anthropogenic debris (plastic, asphalt 2.5 cm in diameter)				
EK002SG	4/25/2012	16	0-15	Wet, soft, black	clayey, ORGANIC SILT, trace f-m sand	None	Trace anthropogenic material (brick fragment 15 cm in length)	Moderate petroleum-like odor	Heavy rainbow sheen florets	0	FSAP parameters met, 3rd attempt accepted
EK003SG	4/18/2012	17	Trace	Wet, very soft, olive brown	SILT	None	None	Moderate H2S-like odor	Moderate metallic and rainbow sheen florets	0	FSAP parameters met, 1st attempt accepted
			0-17	Wet, very soft, black	ORGANIC SILT, trace f-sand	None	Trace anthropogenic debris (plastic, asphalt 2.5 cm in diameter)				

Table A4-1
Surface Sediment Grab Observation Summary

Station ID	Date Collected	Recovery Depth (cm)	Sample Interval (cm)	Field Observations of Samples						PID (ppm)	Grab Quality Notes and Number of Attempts
				Moisture, Density, and Color	Sediment Type	Biota	Organic Matter and Anthropogenic Material/Debris	Odor	Sheen		
EK004SG	5/8/2012	21	0-15	Wet, very soft, black	Slightly f-m sandy, ORGANIC SILT	None	Occasional organic matter (twigs and wood fragments up to 3 cm in length), trace anthropogenic debris (garbage bag-like plastic)	Moderate petroleum-like odor	Heavy rainbow sheen streaks and florets	0	FSAP parameters met, 3rd attempt accepted
EK005SG	4/25/2012	20	0-15	Wet, very soft, black	ORGANIC SILT, trace f-sand	Trace beggiatoa and worm tubes	None	Slight H2S-like odor	Moderate rainbow sheen florets	0	FSAP parameters met, 5th attempt accepted
EK007SG	4/18/2012	16	0-15	Wet, very soft, olive brown	SILT, trace f-sand	Trace worm tubes	Trace organic matter (twigs)	Strong H2S-like odor	Moderate metallic and rainbow sheen florets	0	FSAP parameters met, 2nd attempt accepted
EK008SG	4/18/2012	15	0-15	Wet, very soft to soft, black	ORGANIC SILT, trace f-sand	Tube worms	Trace organic matter (hair-like fibers and twigs)	Strong H2S-like odor and slight petroleum-like odor	Moderate rainbow sheen florets	0	FSAP parameters met, 3rd attempt accepted
EK009SG	4/25/2012	21	0-15	Wet, very soft, black	Slightly f-m sandy, ORGANIC SILT, trace clay	Trace beggiatoa and worm tubes	Trace anthropogenic material	Slight to moderate H2S-like odor	Moderate rainbow sheen florets	0	FSAP parameters met, 2nd attempt accepted
EK010SG	4/18/2012	21	0-15	Wet, very soft, black	Slightly f-sandy, ORGANIC SILT	Moderate worm tubes	Trace organic matter (hair-like fibers and leaf-like material)	Strong H2S-like odor	Moderate metallic and rainbow sheen florets	0	FSAP parameters met, 2nd attempt accepted
EK011SG	5/9/2012	10	0-.1	Wet, very soft, olive brown	SILT	None	None	Slight H2S-like odor	Slight rainbow sheen florets	0	Good grab, depth accepted on 3rd attempt
			.1-10	Wet, very soft, black	f-m sandy, ORGANIC SILT	None	Trace organic matter (leaves, twigs, shells, and shell fragments up to 4 cm in length)				
EK012SG	4/25/2012	15	0-3	Wet, very soft, black	ORGANIC SILT	Trace beggiatoa	Trace organic material (shells, decomposing leaves, and twigs)	Moderate H2S-like odor	Moderate to heavy rainbow sheen florets	0	FSAP parameters met, 6th attempt accepted
			3-15	Moist, loose, light olive brown	f-m SAND	None	None				
EK013SG	4/25/2012	17	0-15	Wet, very soft, black	ORGANIC SILT, trace f-sand	Occasional beggiatoa	Occasional organic matter (wood, leaves, decomposed organics), moderate anthropogenic material	Moderate H2S-like odor and trace petroleum-like odor	Moderate to heavy rainbow sheen florets	0	FSAP parameters met, 1st attempt accepted
EK015SG	4/25/2012	19	0-15	Wet, very soft, black	ORGANIC SILT, trace clay	Trace worms	Trace organic matter (decomposed leaves, twigs), trace anthropogenic material	Slight H2S-like odor	Slight metallic sheen florets	0	FSAP parameters met, 5th attempt accepted
EK016SG	4/25/2012	27	0-15	Wet, very soft, black	ORGANIC SILT, trace clay	Beggiatoa	Trace organic matter (decomposed leaves and twigs)	Slight H2S-like odor	Moderate rainbow sheen florets	0	FSAP parameters met, 2nd attempt accepted
EK017SG	5/8/2012	22	0-.1	Wet, soft, olive brown	SILT	Trace worm tubes	None	Trace H2S-like odor	Moderate rainbow sheen streaks and florets	0	FSAP parameters met, 1st attempt accepted
			.1-15	Wet, very soft, black	ORGANIC SILT, trace f-sand	None	Trace organic matter (leaves)				
EK018SG	5/8/2012	24	0-15	Wet, soft, black	Slightly f-sandy, ORGANIC SILT	None	Trace organic matter (leaves)	Trace H2S-like odor	Moderate rainbow sheen streaks and florets	0	FSAP parameters met, 2nd attempt accepted
EK019SG	5/8/2012	15	0-15	Wet, soft, black	f-m sandy, ORGANIC SILT	None	Trace organic matter (leaves and twigs)	Slight H2S-like odor	Moderate rainbow sheen streaks and florets	0	FSAP parameters met, 6th attempt accepted

Table A4-1
Surface Sediment Grab Observation Summary

Station ID	Date Collected	Recovery Depth (cm)	Sample Interval (cm)	Field Observations of Samples						PID (ppm)	Grab Quality Notes and Number of Attempts
				Moisture, Density, and Color	Sediment Type	Biota	Organic Matter and Anthropogenic Material/Debris	Odor	Sheen		
EK020SG	5/8/2012	10	0-.1	Wet, soft, light gray and olive brown	SILT	None	None	Slight H2S-like odor	Slight to moderate metallic sheen streaks	0	Good grab, depth accepted on 3rd attempt
			.1-10	Wet, soft, black	f-m sandy, ORGANIC SILT	None	Trace organic matter (leaves and twigs up to 5 cm in length)				
EK021SG	5/8/2012	13	0-.1	Moist, soft, light gray and olive brown	SILT	None	None	Slight H2S-like odor	Moderate to heavy rainbow sheen florets and streaks	0	Good grab, depth accepted on 4th attempt
			.1-13	Wet, soft, black	Slightly f-sandy, ORGANIC SILT	None	Trace organic matter (leaves), trace anthropogenic debris (cloth-like material)				
DK002SG	5/2/2012	13	0-1	Wet, very soft, olive Brown	SILT	Trace worm tubes	None	Trace H2S-like odor	Trace metallic sheen streaks and rainbow sheen florets	0	Good grab, depth accepted on 5th attempt
			1-13	Wet, very soft, black	ORGANIC SILT, trace clay	None	Trace anthropogenic material				
DK003SG	5/2/2012	15	0-1	Wet, very soft, olive brown	SILT	Trace worm tubes and snails	None	Trace septic-like and H2S-like odor	Moderate rainbow sheen florets	0	FSAP parameters met, 2nd attempt accepted
			1-15	Wet, very soft, black	ORGANIC SILT, trace clay	Trace worms, centipedes, and soft shell clam 2.5 cm in length	None				
DK004SG	5/2/2012	18	0-15	Wet, very soft, black with olive brown mottling	SILT, trace f-sand	None	Trace organic matter (twigs)	Trace H2S-like and septic-like odor	Slight metallic sheen streaks and moderate rainbow sheen florets and streaks	0	FSAP parameters met, 1st attempt accepted
DK005SG	5/2/2012	16	Trace	Wet, very soft, olive brown	SILT	None	None	Moderate petroleum-like odor and trace H2S-like odor	Moderate to heavy rainbow and metallic sheen florets	0	FSAP parameters met, 3rd attempt accepted
			0-15	Wet, very soft, black	ORGANIC SILT, trace f-sand	None	Trace organic matter (hair-like fibers, leaves, twigs, wood fragments)				
DK006SG	5/2/2012	16	0-1	Wet, very soft, black	ORGANIC SILT	Trace beaggiatoa	None	Slight H2S-like odor	Slight metallic sheen streaks and rainbow sheen florets	0	FSAP parameters met, 2nd attempt accepted
			1-15	Wet, very soft, light gray brown	SILT, trace f-sand	None	Trace organic matter (barnacle shell fragments)				
DK007SG	5/2/2012	16	0-15	Wet, very soft, black	ORGANIC SILT	None	Trace organic matter, occasional anthropogenic material	Moderate H2S-like odor	Moderate metallic and rainbow sheen streaks and rainbow sheen florets	0	FSAP parameters met, 1st attempt accepted
DK008SG	4/20/2012	19	0-15	Wet, very soft, black	Slightly f-sandy, ORGANIC SILT	Trace worms	Moderate organic matter (hair-like fibers, leaves), trace anthropogenic debris (plastic)	Slight H2S-like odor and slight petroleum-like odor	Slight rainbow sheen florets	0	FSAP parameters met, 2nd attempt accepted

Table A4-1
Surface Sediment Grab Observation Summary

Station ID	Date Collected	Recovery Depth (cm)	Sample Interval (cm)	Field Observations of Samples						PID (ppm)	Grab Quality Notes and Number of Attempts
				Moisture, Density, and Color	Sediment Type	Biota	Organic Matter and Anthropogenic Material/Debris	Odor	Sheen		
DK009SG	4/20/2012	15	0-15	Wet, very soft, black	Slightly f-sandy, ORGANIC SILT	None	Moderate organic matter (hair-like fibers, leaves), occasional anthropogenic debris (plastic)	Slight H2S-like odor and slight petroleum-like odor	Trace metallic sheen florets and slight rainbow sheen florets	0	FSAP parameters met, 2nd attempt accepted
DK010SG	4/20/2012	17	0-15	Wet, very soft, black	ORGANIC SILT, trace f-sand	None	Trace organic matter (twigs and leaves), trace anthropogenic debris (plastic)	Moderate H2S-like odor	Slight petroleum-like odor	0	FSAP parameters met, 1st attempt accepted
DK011SG	5/2/2012	16	0-15	Wet, very soft, black	ORGANIC SILT, trace f-sand	None	None	Slight H2S-like odor	Trace rainbow sheen florets	0	FSAP parameters met, 3rd attempt accepted
MC001SG	4/24/2012	10	0-10	Wet, very soft, black	Slightly f-m-sandy, ORGANIC SILT	Trace worms	Moderate organic matter (hair-like fibers, leaves, twigs), moderate anthropogenic material (plastic)	Slight H2S-like odor	Moderate rainbow and metallic sheen florets	0	Good grab, depth accepted on 4th attempt
MC002SG	5/7/2012	16	0-1	Wet, very soft, black	Slightly f-sandy, ORGANIC SILT	None	Moderate to substantial organic matter (leaves, twigs up to 7 cm)	Strong H2S-like odor	Moderate metallic sheen streaks and florets and trace rainbow sheen florets	0.1	FSAP parameters met, 3rd attempt accepted
			0-10	Wet, very soft, black	Slightly f-sandy, ORGANIC SILT	None	Occasional to moderate organic matter (leaves and twigs up to 7 cm in length), trace anthropogenic debris (plastic bits, glass shards up to 5 cm in length)				
MC003SG	5/7/2012	17	0-2	Moist, soft, black	ORGANIC SILT, trace f-sand	None	Moderate organic matter (twig, leaves)	Strong H2S-like odor	None	0	FSAP parameters met, 3rd attempt accepted
			2-15	Moist, medium stiff, black	Slightly sandy, SILT	None	Trace organic matter (5 cm piece of wood)				
MC004SG	5/7/2012	16	0-15	Wet, soft, dark gray	f-sandy, SILT	None	Occasional organic matter (twigs, seeds, leaves up to 5 cm), trace anthropogenic debris (plastic)	Strong septic-like odor	Moderate to heavy metallic sheen streaks and florets and slight rainbow sheen streaks and florets	0	FSAP parameters met, 3rd attempt accepted
MC005SG	5/7/2012	21	0-10	Wet, very soft, black	Slightly f-sandy, ORGANIC SILT	Trace beaggiatoa	Occasional organic matter (leaves, twigs up to 6 cm in length), trace anthropogenic debris (plastic)	Strong H2S-like odor	Moderate metallic sheen streaks and slight rainbow sheen florets	0	FSAP parameters met, 1st attempt accepted
			10-15	Wet, very soft, black	Slightly f-sandy, ORGANIC SILT	None	Occasional organic matter (leaves, twigs up to 6 cm in length), trace anthropogenic debris (plastic)				
MC006SG	5/7/2012	18	0-1	Wet, very soft, black	Slightly sandy, ORGANIC SILT	None	Moderate organic matter, occasional anthropogenic material (glass, cigarette butts)	Strong septic-like odor	Trace metallic sheen streaks	0	FSAP parameters met; 3rd attempt accepted
			1-15	Wet, soft, black	Slightly sandy, ORGANIC SILT	None	Moderate organic matter, trace anthropogenic material (glass, cigarette butts)				

Table A4-1
Surface Sediment Grab Observation Summary

Station ID	Date Collected	Recovery Depth (cm)	Sample Interval (cm)	Field Observations of Samples						PID (ppm)	Grab Quality Notes and Number of Attempts
				Moisture, Density, and Color	Sediment Type	Biota	Organic Matter and Anthropogenic Material/Debris	Odor	Sheen		
MC007SG	4/24/2012	6	0-6	Wet, soft, black	SILT, trace f-sand	None	Slight organic matter (organic debris)	Trace septic-like odor	Slight rainbow floret sheen	0	Good grab, depth accepted on 5th attempt, grab used for geochronology sample only
MC007SG	5/7/2012	10	0-10	Wet, soft, black	Slightly f-sandy, ORGANIC SILT	None	Moderate organic matter (leaves, twigs up to 5 cm in length), moderate anthropogenic debris (cloth-like material)	Strong septic-like odor	Slight metallic sheen streaks and florets and trace rainbow sheen florets	0	Good grab, depth accepted on 2nd attempt
WC002SG	5/10/2012	12	0-1	Wet, very soft, olive brown	Slightly f-m sandy, ORGANIC SILT	Trace worm tubes	Trace organic matter (hair-like fibers, twigs)	Slight H2S-like odor	Trace rainbow sheen streaks	0	Good grab, depth accepted on 3rd attempt
			1-12	Wet, very soft, dark gray	Slightly f-m sandy, ORGANIC SILT	None	Trace organic matter (hair-like fibers, twigs)				
WC003SG	5/9/2012	20	0-15	Wet, very soft, dark gray to black	SILT, trace f-sand	None	None	Moderate H2S-like odor	Slight rainbow sheen florets and metallic sheen streaks and florets	0	FSAP parameters met, 1st attempt accepted

Notes:

cm = centimeter
FS = Feasibility Study
FSAP = Field Sampling and Analysis Plan

H2S = hydrogen sulfide
ID = identification
mm = millimeter

PID = photoionization detector
ppm = parts per million
RI = Remedial Investigation

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2012	Spring Surface Sediment 2013	Spring Surface Sediment 2014	Spring Surface Sediment 2015	Spring Surface Sediment 2016	Spring Surface Sediment 2017
Tributary		Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills
River Mile		0.01	0.05795	0.05795	0.08	0.19	0.22
Location ID		DK002SG_20120502	DK012SG_20120711	DK012SG_20120711	DK003SG_20120502	DK004SG_20120502	DK005SG_20120502
Sample ID		DK002SG-000013-20120502	DK012SG-000015-20120711	DK1012SG-000015-20120711	DK003SG-000015-20120502	DK004SG-000015-20120502	DK005SG-000003-20120502
Sample Date		5/2/2012	7/11/2012	7/11/2012	5/2/2012	5/2/2012	5/2/2012
Sample Depth		0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm
Water Column Depth		20.2	5.6	5.6	3.8	14	13.3
Sample Type		N	N	FD	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Conventional Parameters (lb/ft³)							
Density	D7263	26.2	29.1	29.3	26.3	21.2	--
Conventional Parameters (mg/kg)							
Ammonia as nitrogen	SM4500NH3H	23 U	74 J	97 J	31	120	--
Cyanide, total	SW9012A	3 U	0.61 J	2.7 U	2.7 U	3.6 U	--
Nitrate + nitrite as nitrogen	SM4500NO3F	11	7 U	6.7 U	9.6	10	--
Nitrogen ((No Suggestions))	SM4500NORGC	1500 J	3500	3300	4900 J	4200 J	--
Phosphorus	SM4500PE	1700	1000 J	1200 J	1400	1500	--
Sulfide	SW9030B	1800	7600	6400	2700	11000	--
Conventional Parameters (pct)							
Moisture (water) content	D2216	--	--	--	196.8	--	--
Moisture, percent	D2216	--	--	--	65.6	--	--
Soot carbon	SOOTC	0.232	0.62 J	0.641 J	0.567	0.49	--
Total organic carbon	SW9060	3.29	3.88 J	4.08 J	5.48	4.565	--
Total solids	SM2540G	32.3	35.3	36.6	33.4	27.6	--
Conventional Parameters (SU)							
pH	SW9045C	7.7	7.9	7.9	7.5	8	--
Conventional Parameters (unitless)							
Liquid limit	D4318	--	--	--	127	--	--
Plastic limit	D4318	--	--	--	46	--	--
Plasticity index	D4318	--	--	--	81	--	--
Specific gravity	D854	--	--	--	2.49	--	--
Grain Size (pct)							
Cobbles	D422	0	0	0	0	0	--
Gravel	D422	0.4	0	0.5	1.3	0.1	--
Sand	D422	1.6	9.1	13.6	8	3.3	--
Fines (silt + clay)	D422	98	90.9	85.9	90.7	96.6	--
Percent passing 0.375 inch (3/8 inch sieve)	D422	100	--	100	100	100	--
Percent passing 0.5 inch (1/2 inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4 inch sieve)	D422	--	--	--	--	--	--
Percent passing 1 inch (1 inch sieve)	D422	--	--	--	--	--	--
Percent passing 75 micron sieve (#200)	D422	98	91	86	91	97	--
Percent passing 150 micron sieve (#100)	D422	98	94	89	94	98	--

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2012	Spring Surface Sediment 2013	Spring Surface Sediment 2014	Spring Surface Sediment 2015	Spring Surface Sediment 2016	Spring Surface Sediment 2017
Task		Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills
Tributary		0.01	0.05795	0.05795	0.08	0.19	0.22
River Mile							
Location ID		DK002SG_20120502	DK012SG_20120711	DK012SG_20120711	DK003SG_20120502	DK004SG_20120502	DK005SG_20120502
Sample ID		DK002SG-000013-20120502	DK012SG-000015-20120711	DK1012SG-000015-20120711	DK003SG-000015-20120502	DK004SG-000015-20120502	DK005SG-000003-20120502
Sample Date		5/2/2012	7/11/2012	7/11/2012	5/2/2012	5/2/2012	5/2/2012
Sample Depth		0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm
Water Column Depth		20.2	5.6	5.6	3.8	14	13.3
Sample Type		N	N	FD	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Percent passing 250 micron sieve (#60)	D422	99	97	93	96	98	--
Percent passing 425 micron sieve (#40)	D422	99	98	96	96	99	--
Percent passing 850 micron sieve (#20)	D422	99	99	97	97	99	--
Percent passing 2000 micron sieve (#10)	D422	100	100	98	98	100	--
Percent passing 4750 micron sieve (#4)	D422	100	100	99	99	100	--
Metals (mg/kg)							
Aluminum	SW6020A	13700	13700	13200	13000	12700	--
Antimony	SW6020A	0.406 J	1.59 J	1.18 J	1.77 J	1.32 J	--
Arsenic	SW6020A	14	18.7	17.8	23.6	15.3	--
Barium	SW6020A	71.5	159	140	187	109	--
Beryllium	SW6020A	0.869	0.892	0.792	0.865	0.766	--
Cadmium	SW6020A	2.14	9.6	9.74	14.8	9.96	--
Calcium	SW6020A	6080	6610 J	6360 J	5550	9820	--
Chromium	SW6020A	71.3	141	144	183	115	--
Cobalt	SW6020A	11.7	12.7	12.5	14.1	12	--
Copper	SW6020A	162	623 J	594 J	728	338	--
Iron	SW6020A	34300	35000	32800	29900	30000	--
Lead	SW6020A	151	535 J	725 J	761	280	--
Magnesium	SW6020A	9650	9010 J	8560 J	9130	10500	--
Manganese	SW6020A	466	350	340	338	324	--
Mercury	E1631M	0.887	2.07	1.93	2.22	1.18	--
Nickel	SW6020A	37.8	79.1	79.2	96.7	71.4	--
Potassium	SW6020A	3460	3080 J	2840 J	3190	3710	--
Selenium	SW6020A	2.02	2.75	2.86	4.33	3.19	--
Silver	SW6020A	3.39	10.7 J	8.27 J	10.4	7.26	--
Sodium	SW6020A	16700	12600 J	13500 J	15200	21800	--
Thallium	SW6020A	0.26	0.422	0.351	0.526	0.353	--
Tin	SW6020A	14.4	41 J	34.3 J	41.2	27.3	--
Vanadium	SW6020A	35.7	44.5	40.7	46.4	42.8	--
Zinc	SW6020A	372	1320	1440	1380	724	--
Organometallic Compounds (µg/kg)							
Methyl mercury	E1630M	--	--	--	0.858 J	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2012	Spring Surface Sediment 2013	Spring Surface Sediment 2014	Spring Surface Sediment 2015	Spring Surface Sediment 2016	Spring Surface Sediment 2017
Tributary		Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills
River Mile		0.01	0.05795	0.05795	0.08	0.19	0.22
Location ID		DK002SG_20120502	DK012SG_20120711	DK012SG_20120711	DK003SG_20120502	DK004SG_20120502	DK005SG_20120502
Sample ID		DK002SG-000013-20120502	DK012SG-000015-20120711	DK1012SG-000015-20120711	DK003SG-000015-20120502	DK004SG-000015-20120502	DK005SG-000003-20120502
Sample Date		5/2/2012	7/11/2012	7/11/2012	5/2/2012	5/2/2012	5/2/2012
Sample Depth		0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm
Water Column Depth		20.2	5.6	5.6	3.8	14	13.3
Sample Type		N	N	FD	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Volatile Organics (µg/kg)							
1,1,1-Trichloroethane	SW8260B	2.9 U	2.8 U	2.7 U	2.7 U	3.7 U	--
1,1,2,2-Tetrachloroethane	SW8260B	2.9 U	2.8 U	2.7 U	2.7 U	3.7 U	--
1,1,2-Trichloroethane	SW8260B	4.3 U	4.2 U	4.1 U	4 U	5.5 U	--
1,1,2-Trichlorotrifluoroethane	SW8260B	57 U	57 U	55 U	53 U	74 U	--
1,1-Dichloroethane	SW8260B	4.3 U	4.2 U	4.1 U	4 U	5.5 U	--
1,1-Dichloroethene	SW8260B	2.9 U	2.8 U	2.7 U	2.7 U	3.7 U	--
1,2,3-Trichlorobenzene	SW8260B	14 U	14 U	14 U	13 U	18 U	--
1,2,4-Trichlorobenzene	SW8260B	14 U	14 U	14 U	13 U	18 U	--
1,2-Dibromo-3-chloropropane	SW8260B	14 U	14 U	14 U	13 U	18 U	--
1,2-Dichlorobenzene	SW8260B	14 U	14 U	14 U	13 U	18 U	--
1,2-Dichloroethane	SW8260B	2.9 U	2.8 U	2.7 U	2.7 U	3.7 U	--
1,2-Dichloroethene, cis-	SW8260B	2.9 U	2.8 U	2.7 U	2.7 U	3.7 U	--
1,2-Dichloroethene, trans-	SW8260B	4.3 U	4.2 U	4.1 U	4 U	5.5 U	--
1,2-Dichloropropane	SW8260B	10 U	9.9 U	9.6 U	9.4 U	13 U	--
1,3-Dichlorobenzene	SW8260B	14 U	14 U	14 U	13 U	18 U	--
1,3-Dichloropropene, cis-	SW8260B	2.9 U	2.8 U	2.7 U	2.7 U	3.7 U	--
1,3-Dichloropropene, trans-	SW8260B	2.9 U	2.8 U	2.7 U	2.7 U	3.7 U	--
1,4-Dichlorobenzene	SW8260B	14 U	14 U	14 U	13 U	18 U	--
2-Butanone (MEK)	SW8260B	98	26 J	27 U	79	92	--
2-Hexanone (methyl butyl ketone)	SW8260B	29 U	28 U	27 U	27 U	37 U	--
Acetone	SW8260B	480	120 J	40 J	390	430	--
Benzene	SW8260B	2.9 U	2.8 U	2.7 U	2.7 U	3.7 U	--
Bromochloromethane	SW8260B	14 U	14 U	14 U	13 U	18 U	--
Bromodichloromethane	SW8260B	2.9 U	2.8 U	2.7 U	2.7 U	3.7 U	--
Bromoform (tribromomethane)	SW8260B	11 U	11 U	11 U	11 U	15 U	--
Bromomethane (methyl bromide)	SW8260B	5.7 U	5.7 U	5.5 U	5.3 U	7.4 U	--
Carbon disulfide	SW8260B	14 J	27 J	11 J	22 J	38	--
Carbon tetrachloride (tetrachloromethane)	SW8260B	2.9 U	2.8 U	2.7 U	2.7 U	3.7 U	--
Chlorobenzene	SW8260B	2.9 U	2.8 U	2.7 U	2.7 U	3.7 U	--
Chloroethane	SW8260B	5.7 U	5.7 U	5.5 U	5.3 U	7.4 U	--
Chloroform	SW8260B	4.3 U	4.2 U	4.1 U	4 U	5.5 U	--

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2012	Spring Surface Sediment 2013	Spring Surface Sediment 2014	Spring Surface Sediment 2015	Spring Surface Sediment 2016	Spring Surface Sediment 2017
Task		Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills
Tributary		0.01	0.05795	0.05795	0.08	0.19	0.22
River Mile							
Location ID		DK002SG_20120502	DK012SG_20120711	DK012SG_20120711	DK003SG_20120502	DK004SG_20120502	DK005SG_20120502
Sample ID		DK002SG-000013-20120502	DK012SG-000015-20120711	DK1012SG-000015-20120711	DK003SG-000015-20120502	DK004SG-000015-20120502	DK005SG-000003-20120502
Sample Date		5/2/2012	7/11/2012	7/11/2012	5/2/2012	5/2/2012	5/2/2012
Sample Depth		0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm
Water Column Depth		20.2	5.6	5.6	3.8	14	13.3
Sample Type		N	N	FD	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Chloromethane	SW8260B	14 U	14 U	14 U	13 U	18 U	--
Cyclohexane	SW8260B	57 U	57 U	55 U	53 U	74 U	--
Dibromochloromethane	SW8260B	2.9 U	2.8 U	2.7 U	2.7 U	3.7 U	--
Dichlorodifluoromethane	SW8260B	29 U	28 U	27 U	27 U	37 U	--
Dichloromethane (methylene chloride)	SW8260B	29 U	28 U	27 U	27 U	37 U	--
Ethylbenzene	SW8260B	2.9 U	2.8 U	2.7 U	2.7 U	3.7 U	--
Ethylene dibromide (1,2-Dibromoethane)	SW8260B	11 U	11 U	11 U	11 U	15 U	--
Isopropylbenzene (cumene)	SW8260B	2.9 U	2.8 U	2.7 U	2.7 U	3.7 U	--
m,p-Xylene	SW8260B	5.7 U	5.7 U	5.5 U	5.3 U	7.4 U	--
Methyl acetate	SW8260B	57 U	57 U	55 U	53 U	74 U	--
Methyl isobutyl ketone (4-methyl-2-pentanone [MIBK])	SW8260B	29 U	28 U	27 U	27 U	37 U	--
Methyl tert-butyl ether (MTBE)	SW8260B	5.7 U	5.7 U	5.5 U	5.3 U	7.4 U	--
Methylcyclohexane	SW8260B	11 U	11 U	11 U	11 U	15 U	--
o-Xylene	SW8260B	5.7 U	5.7 U	5.5 U	5.3 U	7.4 U	--
Styrene	SW8260B	5.7 U	5.7 U	5.5 U	5.3 U	7.4 U	--
Tetrachloroethene (PCE)	SW8260B	2.9 U	2.8 U	2.7 U	2.7 U	3.7 U	--
Toluene	SW8260B	4.3 U	4.2 U	4.1 U	4 U	5.5 U	--
Total BTEX (U = 0)	--	5.7 U	5.7 U	5.5 U	5.3 U	7.4 U	--
Total BTEX (U = 1/2)	--	5.7 U	5.7 U	5.5 U	5.3 U	7.4 U	--
Total xylene (U = 0)	--	5.7 U	5.7 U	5.5 U	5.3 U	7.4 U	--
Total xylene (U = 1/2)	--	5.7 U	5.7 U	5.5 U	5.3 U	7.4 U	--
Trichloroethene (TCE)	SW8260B	2.9 U	2.8 U	2.7 U	2.7 U	3.7 U	--
Trichlorofluoromethane (fluorotrichloromethane)	SW8260B	14 U	14 U	14 U	13 U	18 U	--
Vinyl acetate	SW8260B	29 U	28 U	27 U	27 U	37 U	--
Vinyl chloride	SW8260B	5.7 U	5.7 U	5.5 U	5.3 U	7.4 U	--
Semivolatile Organics (µg/kg)							
1,2,4,5-Tetrachlorobenzene	SW8270C	500 U	1800 U	1800 U	510 U	580 U	--
1,4-Dioxane	SW8270C	1000 U	3600 U	3600 U	1000 U	1200 U	--
2,3,4,6-Tetrachlorophenol	SW8270C	500 U	1800 U	1800 U	510 U	580 U	--
2,4,5-Trichlorophenol	SW8270C	500 U	1800 U	1800 U	510 U	580 U	--
2,4,6-Trichlorophenol	SW8270C	500 U	1800 U	1800 U	510 U	580 U	--

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2012	Spring Surface Sediment 2013	Spring Surface Sediment 2014	Spring Surface Sediment 2015	Spring Surface Sediment 2016	Spring Surface Sediment 2017
Task		Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills
Tributary		0.01	0.05795	0.05795	0.08	0.19	0.22
River Mile							
Location ID		DK002SG_20120502	DK012SG_20120711	DK012SG_20120711	DK003SG_20120502	DK004SG_20120502	DK005SG_20120502
Sample ID		DK002SG-000013-20120502	DK012SG-000015-20120711	DK1012SG-000015-20120711	DK003SG-000015-20120502	DK004SG-000015-20120502	DK005SG-000003-20120502
Sample Date		5/2/2012	7/11/2012	7/11/2012	5/2/2012	5/2/2012	5/2/2012
Sample Depth		0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm
Water Column Depth		20.2	5.6	5.6	3.8	14	13.3
Sample Type		N	N	FD	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
2,4-Dichlorophenol	SW8270C	100 U	360 U	360 U	100 U	120 U	--
2,4-Dimethylphenol	SW8270C	500 U	1800 U	1800 U	510 U	580 U	--
2,4-Dinitrophenol	SW8270C	2600 U	9200 U	9100 U	2600 U	3000 U	--
2,4-Dinitrotoluene	SW8270C	500 U	1800 U	1800 U	510 U	580 U	--
2,6-Dinitrotoluene	SW8270C	500 U	1800 U	1800 U	510 U	580 U	--
2-Chloronaphthalene	SW8270C	100 U	360 U	360 U	100 U	120 U	--
2-Chlorophenol	SW8270C	500 U	1800 U	1800 U	510 U	580 U	--
2-Methylnaphthalene	SW8270C	95 J	260 J	290 J	480	160	--
2-Methylphenol (o-Cresol)	SW8270C	500 U	1800 U	1800 U	510 U	49 J	--
2-Nitroaniline	SW8270C	2600 U	9200 U	9100 U	2600 U	3000 U	--
2-Nitrophenol	SW8270C	500 U	1800 U	1800 U	510 U	580 U	--
3,3'-Dichlorobenzidine	SW8270C	500 U	1800 U	1800 U	510 U	580 U	--
3-methylphenol and 4-methylphenol (m&p-cresol)	SW8270C	500 U	1800 U	170 J	270 J	79 J	--
3-Nitroaniline	SW8270C	2600 U	9200 U	9100 U	2600 U	3000 U	--
4-Bromophenyl-phenyl ether	SW8270C	500 U	1800 U	1800 U	510 U	580 U	--
4-Chloro-3-methylphenol	SW8270C	500 U	1800 U	1800 U	510 U	580 U	--
4-Chloroaniline	SW8270C	49 J	160 J	150 J	290 J	110 J	--
4-Chlorophenyl phenyl ether	SW8270C	500 U	1800 U	1800 U	510 U	580 U	--
4-Nitroaniline	SW8270C	2600 U	9200 U	9100 U	2600 U	3000 U	--
4-Nitrophenol	SW8270C	2600 U	9200 U	9100 U	2600 U	3000 U	--
Acenaphthene	SW8270C	59 J	88 J	120 J	170	200	--
Acenaphthylene	SW8270C	110	330 J	390	580	150	--
Acetophenone	SW8270C	500 U	1800 U	1800 U	59 J	110 J	--
Anthracene	SW8270C	170	450	500	760	400	--
Atrazine	SW8270C	500 UJ	1800 UJ	1800 UJ	510 UJ	580 UJ	--
Benzaldehyde	SW8270C	500 U	1800 UJ	1800 UJ	170 J	170 J	--
Benzo(a)anthracene	SW8270C	540	1300	1500	2100	1100	--
Benzo(a)pyrene	SW8270C	540	1400	1700	2400	1100	--
Benzo(b)fluoranthene	SW8270C	580	1500 J	1800 J	2300	1100	--
Benzo(g,h,i)perylene	SW8270C	300	870	910	1600	770	--
Benzo(k)fluoranthene	SW8270C	260	620	1000	1000	660	--
Biphenyl (1,1'-Biphenyl)	SW8270C	500 U	1800 U	1800 U	140 J	580 U	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2012	Spring Surface Sediment 2013	Spring Surface Sediment 2014	Spring Surface Sediment 2015	Spring Surface Sediment 2016	Spring Surface Sediment 2017
		Tributary	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills
		River Mile	0.01	0.05795	0.05795	0.08	0.19	0.22
		Location ID	DK002SG_20120502	DK012SG_20120711	DK012SG_20120711	DK003SG_20120502	DK004SG_20120502	DK005SG_20120502
		Sample ID	DK002SG-000013-20120502	DK012SG-000015-20120711	DK1012SG-000015-20120711	DK003SG-000015-20120502	DK004SG-000015-20120502	DK005SG-000003-20120502
		Sample Date	5/2/2012	7/11/2012	7/11/2012	5/2/2012	5/2/2012	5/2/2012
		Sample Depth	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm
		Water Column Depth	20.2	5.6	5.6	3.8	14	13.3
		Sample Type	N	N	FD	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
bis(2-Chloroethoxy)methane	SW8270C		500 U	1800 U	1800 U	510 U	580 U	--
bis(2-Chloroethyl)ether	SW8270C		100 U	360 U	360 U	100 U	120 U	--
bis(2-Chloroisopropyl)ether	SW8270C		100 U	360 UJ	360 UJ	100 U	120 U	--
Bis(2-ethylhexyl)phthalate	SW8270C		2700	44000	14000	12000	12000	--
Butylbenzyl phthalate	SW8270C		500 U	1300 J	2000	960	350 J	--
Caprolactam	SW8270C		2600 U	9200 UJ	9100 UJ	2600 U	3000 U	--
Carbazole	SW8270C		36 J	360 U	170 J	140	94 J	--
Chrysene	SW8270C		660	1200	1700	2000	1200	--
Dibenzo(a,h)anthracene	SW8270C		95 J	230 J	170 J	400	210	--
Dibenzofuran	SW8270C		50 J	1800 U	1800 U	260 J	580 U	--
Diethyl phthalate	SW8270C		500 U	1800 U	1800 U	510 U	580 U	--
Dimethyl phthalate	SW8270C		500 U	1800 U	1800 U	510 U	580 U	--
Di-n-butyl phthalate	SW8270C		500 U	1800 U	220 J	220 J	190 J	--
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)	SW8270C		2600 U	9200 U	9100 U	2600 U	3000 U	--
Di-n-octyl phthalate	SW8270C		71 J	1800 U	1800 U	100 J	330 J	--
Fluoranthene	SW8270C		990	1200	1600	3100	2300	--
Fluorene	SW8270C		69 J	170 J	200 J	300	130	--
Hexachlorobenzene	SW8270C		100 U	360 U	360 U	100 U	120 U	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270C		100 U	360 U	360 U	100 U	120 U	--
Hexachlorocyclopentadiene	SW8270C		500 U	1800 UJ	1800 UJ	510 U	580 U	--
Hexachloroethane	SW8270C		500 U	1800 U	1800 U	510 U	580 U	--
Indeno(1,2,3-c,d)pyrene	SW8270C		280	850	840	1200	630	--
Isophorone	SW8270C		500 U	1800 U	1800 U	510 U	580 U	--
Naphthalene	SW8270C		130	530	450	990	220	--
Nitrobenzene	SW8270C		1000 U	3600 U	3600 U	1000 U	1200 U	--
N-Nitrosodi-N-propylamine	SW8270C		100 U	360 U	360 U	100 U	120 U	--
N-Nitrosodiphenylamine	SW8270C		500 U	1800 U	1800 U	510 U	580 U	--
Pentachlorophenol	SW8270C		500 UJ	1800 U	1800 U	510 UJ	580 UJ	--
Phenanthrene	SW8270C		260	840	1300	1300	590	--
Phenol	SW8270C		100 U	360 U	190 J	45 J	29 J	--
Pyrene	SW8270C		1100	2200	3800	5600	2700	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2012	Spring Surface Sediment 2013	Spring Surface Sediment 2014	Spring Surface Sediment 2015	Spring Surface Sediment 2016	Spring Surface Sediment 2017
Tributary		Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills
River Mile		0.01	0.05795	0.05795	0.08	0.19	0.22
Location ID		DK002SG_20120502	DK012SG_20120711	DK012SG_20120711	DK003SG_20120502	DK004SG_20120502	DK005SG_20120502
Sample ID		DK002SG-000013-20120502	DK012SG-000015-20120711	DK1012SG-000015-20120711	DK003SG-000015-20120502	DK004SG-000015-20120502	DK005SG-000003-20120502
Sample Date		5/2/2012	7/11/2012	7/11/2012	5/2/2012	5/2/2012	5/2/2012
Sample Depth		0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm
Water Column Depth		20.2	5.6	5.6	3.8	14	13.3
Sample Type		N	N	FD	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total cresol (o,m,p) (U = 0)	--	500 U	1800 U	170 J	270 J	128 J	--
Total cresol (o,m,p) (U = 1/2)	--	500 U	1800 U	1070 J	525 J	128 J	--
Polycyclic Aromatic Hydrocarbons (µg/kg)							
1,6,7-Trimethylnaphthalene	SW8270CMSIM	27.5	53.3	81.2	88.2	410	--
1-Methyldibenzothiophene	SW8270CMSIM	19	40 J	51.4	102	109	--
1-Methylnaphthalene	SW8270CMSIM	66.3	238	379	263	114	--
1-Methylphenanthrene	SW8270CMSIM	136	225	261	358	455	--
2,6-Dimethylnaphthalene	SW8270CMSIM	125	442	590	527	352	--
2-Methylantracene	SW8270CMSIM	123	261	289	499	350	--
2-Methyldibenzothiophene and 3-methyldibenzothiophene	SW8270CMSIM	28.6	184	248	80.8	264	--
2-Methylnaphthalene	SW8270CMSIM	173	717	918	851	326	--
2-Methylphenanthrene	SW8270CMSIM	136	316	367	445	275	--
4-Methyldibenzothiophene	SW8270CMSIM	63.1	132	158	163	464	--
4-Methylphenanthrene and 9-methylphenanthrene	SW8270CMSIM	170	338	412	747	816	--
Acenaphthene	SW8270CMSIM	106	200	240	234	326	--
Acenaphthylene	SW8270CMSIM	155	603	604	658	237	--
Anthracene	SW8270CMSIM	406	988	1010	1490	1070	--
Benzo(a)anthracene	SW8270CMSIM	973	1830	1890	4010	2300	--
Benzo(a)pyrene	SW8270CMSIM	1080	3050	3110	4920	2210	--
Benzo(b)fluoranthene	SW8270CMSIM	1080	2890	3110	5040	2500	--
Benzo(e)pyrene	SW8270CMSIM	861	2560	2600	3900	1920	--
Benzo(g,h,i)perylene	SW8270CMSIM	694	2070	2060	2810	1420	--
Benzo(j,k)fluoranthene	SW8270CMSIM	884	2800	2660	3470	1860	--
Benzonaphthothiophene	SW8270CMSIM	414	870	878	2110	1070	--
Benzothiophene	SW8270CMSIM	12.9 J	59.3	70.2	65.4	22.7	--
Carbazole	SW8270CMSIM	60.8	248	187	269	151	--
Chrysene	SW8270CMSIM	1140	2280	2260	3960	2770	--
Decalin, cis and trans-	SW8270CMSIM	27.6	40.8	48.1	77.6	77.5	--
Dibenzo(a,h)anthracene and dibenzo(a,c)anthracene	SW8270CMSIM	238	670	676	1030	468	--
Dibenzothiophene	SW8270CMSIM	86	180	216	247	241	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2012	Spring Surface Sediment 2013	Spring Surface Sediment 2014	Spring Surface Sediment 2015	Spring Surface Sediment 2016	Spring Surface Sediment 2017
Tributary		Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills
River Mile		0.01	0.05795	0.05795	0.08	0.19	0.22
Location ID		DK002SG_20120502	DK012SG_20120711	DK012SG_20120711	DK003SG_20120502	DK004SG_20120502	DK005SG_20120502
Sample ID		DK002SG-000013-20120502	DK012SG-000015-20120711	DK1012SG-000015-20120711	DK003SG-000015-20120502	DK004SG-000015-20120502	DK005SG-000003-20120502
Sample Date		5/2/2012	7/11/2012	7/11/2012	5/2/2012	5/2/2012	5/2/2012
Sample Depth		0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm
Water Column Depth		20.2	5.6	5.6	3.8	14	13.3
Sample Type		N	N	FD	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Fluoranthene	SW8270CMSIM	2340	2920	3160	7140	6670	--
Fluorene	SW8270CMSIM	118	344	348	431	256	--
Indeno(1,2,3-c,d)pyrene	SW8270CMSIM	697	1890	1890	2730	1390	--
Naphthalene	SW8270CMSIM	291	1500	1560	1700	447	--
Perylene	SW8270CMSIM	427	988	1040	1180	647	--
Phenanthrene	SW8270CMSIM	645	1550	1740	2390	1210	--
Pyrene	SW8270CMSIM	2600	6240	6800	12000	6990	--
Retene	SW8270CMSIM	18.5 U	43.9 U	43 U	44.3 U	1780	--
Total benzofluoranthenes (U = 0)	--	1964	5690	5770	8510	4360	--
Total benzofluoranthenes (U = 1/2)	--	1964	5690	5770	8510	4360	--
Total cPAH TEQ (USEPA 1993) (U = 0)	--	1602.98	4411.28	4503.86	7166.66	3318.37	--
Total cPAH TEQ (USEPA 1993) (U = 1/2)	--	1602.98	4411.28	4503.86	7166.66	3318.37	--
Total HPAH (9 of 16) (U = 0)	--	11726	26640	27616	47110	28578	--
Total HPAH (9 of 16) (U = 1/2)	--	11726	26640	27616	47110	28578	--
Total LPAH (7 of 16) (U = 0)	--	1894	5902	6420	7754	3872	--
Total LPAH (7 of 16) (U = 1/2)	--	1894	5902	6420	7754	3872	--
Total PAH (16) (U = 0)	--	13620	32542	34036	54864	32450	--
Total PAH (16) (U = 1/2)	--	13620	32542	34036	54864	32450	--
Alkylated Polycyclic Aromatic Hydrocarbons (µg/kg)							
C1-Benzo(a)anthracenes/chrysenes	SW8270CMSIM	933	2770	2950	5560	2100	--
C1-Benzo(b)thiophenes	SW8270CMSIM	21.1	90.4	104	66.3	57.7	--
C1-Decalins	SW8270CMSIM	103	274	342	576	686	--
C1-Dibenzothiophenes	SW8270CMSIM	130	406	512	407	897	--
C1-Fluoranthenes/Pyrenes	SW8270CMSIM	2000	4560	4840	10800	5150	--
C1-Fluorenes	SW8270CMSIM	108	256	330	330	594	--
C1-Naphthalenes	SW8270CMSIM	141	570	768	656	259	--
C1-Phenanthrenes/Anthracenes	SW8270CMSIM	679	1500	1720	2440	2760	--
C2-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	748	2680	2910	5130	1850	--
C2-Benzo(b)thiophenes	SW8270CMSIM	20	76.7	97.5	71.1	78.4	--
C2-Decalins	SW8270CMSIM	337	1290	1640	2260	1600	--
C2-Dibenzothiophenes	SW8270CMSIM	367	730	915	1460	2220	--
C2-Fluorenes	SW8270CMSIM	313	609	768	1260	2590	--
C2-Naphthalenes	SW8270CMSIM	179	611	882	690	618	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2012	Spring Surface Sediment 2013	Spring Surface Sediment 2014	Spring Surface Sediment 2015	Spring Surface Sediment 2016	Spring Surface Sediment 2017
Tributary		Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills
River Mile		0.01	0.05795	0.05795	0.08	0.19	0.22
Location ID		DK002SG_20120502	DK012SG_20120711	DK012SG_20120711	DK003SG_20120502	DK004SG_20120502	DK005SG_20120502
Sample ID		DK002SG-000013-20120502	DK012SG-000015-20120711	DK1012SG-000015-20120711	DK003SG-000015-20120502	DK004SG-000015-20120502	DK005SG-000003-20120502
Sample Date		5/2/2012	7/11/2012	7/11/2012	5/2/2012	5/2/2012	5/2/2012
Sample Depth		0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm
Water Column Depth		20.2	5.6	5.6	3.8	14	13.3
Sample Type		N	N	FD	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
C2-Phenanthrenes/Anthracenes	SW8270CMSIM	913	2070	2390	4590	5720	--
C3-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	614	2500	2650	4050	1750	--
C3-Benzo(b)thiophenes	SW8270CMSIM	43.8	183	245	183	270	--
C3-Decalins	SW8270CMSIM	361	1340	1790	2050	1350	--
C3-Dibenzothiophenes	SW8270CMSIM	490	1280	1760	2640	2170	--
C3-Fluorenes	SW8270CMSIM	563	1330	1820	2750	3440	--
C3-Naphthalenes	SW8270CMSIM	220	526	738	944	2370	--
C3-Phenanthrenes/Anthracenes	SW8270CMSIM	959	2100	2790	5600	4260	--
C4-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	348	1320	1370	1850	841	--
C4-Benzo(b)thiophenes	SW8270CMSIM	53.2	231	282	259	358	--
C4-Decalins	SW8270CMSIM	637	2190	3530	3490	2200	--
C4-Dibenzothiophenes	SW8270CMSIM	322	1090	1500	1850	1220	--
C4-Naphthalenes	SW8270CMSIM	298	694	894	1830	3320	--
C4-Phenanthrenes/Anthracenes	SW8270CMSIM	576	1710	1920	3430	2100	--
n-Alkanes and Isoprenoids (µg/kg)							
2,6,10-Trimethyldodecane	SW8015M	453 J	2930 U	2860 U	1200 J	1880	--
2,6,10-Trimethyltridecane	SW8015M	1030 J	2590 J	3470 J	3510 J	4160 J	--
n-Decane (C10)	SW8015M	1230 U	2930 U	2860 U	2950 U	1410 U	--
n-Docosane (C22)	SW8015M	410 J	2930 U	2860 U	1290 J	1250 J	--
n-Dodecane (C12)	SW8015M	1230 U	638 J	636 J	2950 U	419 J	--
n-Dotriacontane (C32)	SW8015M	3120	1100 J	2430 J	10100	6550	--
n-Eicosane (C20)	SW8015M	465 J	2930 U	2860 U	1900 J	1190 J	--
n-Heneicosane (C21)	SW8015M	500 J	2930 U	1500 J	1020 J	921 J	--
n-Hentriacontane (C31)	SW8015M	2260	8380	8850	1930 J	7620	--
n-Heptacosane (C27)	SW8015M	2770	2220 J	1970 J	1540 J	3250	--
n-Heptadecane (C17)	SW8015M	708 J	2930 U	1280 J	1160 J	1350 J	--
n-Heptatriacontane (C37)	SW8015M	693 J	2930 U	2860 U	1180 J	1150 J	--
n-Hexacosane (C26)	SW8015M	1350	2930 U	1450 J	1800 J	3200	--
n-Hexadecane (C16)	SW8015M	450 J	2930 U	2860 U	1020 J	1060 J	--
n-Hexatriacontane (C36)	SW8015M	634 J	1560 J	1410 J	1620 J	1220 J	--
n-Nonacosane (C29)	SW8015M	3540	4180	5510	7370	9080	--
n-Nonadecane (C19)	SW8015M	395 J	793 J	2860 U	830 J	902 J	--
n-Nonane (C9)	SW8015M	1230 U	2930 U	2860 U	2950 U	1410 U	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2012	Spring Surface Sediment 2013	Spring Surface Sediment 2014	Spring Surface Sediment 2015	Spring Surface Sediment 2016	Spring Surface Sediment 2017
Tributary		Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills
River Mile		0.01	0.05795	0.05795	0.08	0.19	0.22
Location ID		DK002SG_20120502	DK012SG_20120711	DK012SG_20120711	DK003SG_20120502	DK004SG_20120502	DK005SG_20120502
Sample ID		DK002SG-000013-20120502	DK012SG-000015-20120711	DK1012SG-000015-20120711	DK003SG-000015-20120502	DK004SG-000015-20120502	DK005SG-000003-20120502
Sample Date		5/2/2012	7/11/2012	7/11/2012	5/2/2012	5/2/2012	5/2/2012
Sample Depth		0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm
Water Column Depth		20.2	5.6	5.6	3.8	14	13.3
Sample Type		N	N	FD	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
n-Nonatriacontane (C39)	SW8015M	983 J	2930 U	2860 U	983 J	1300 J	--
n-Octacosane (C28)	SW8015M	1860	2930 U	2860 U	1690 J	1420	--
n-Octadecane (C18)	SW8015M	952 J	2040 J	2480 J	2800 J	1840 J	--
n-Octatriacontane (C38)	SW8015M	565 J	1190 J	1340 J	709 J	871 J	--
Norpristane	SW8015M	807 J	1330 J	1470 J	1990 J	3200	--
n-Pentacosane (C25)	SW8015M	1210 J	5160 J	5400 J	8050 J	8170 J	--
n-Pentadecane (C15)	SW8015M	613 J	1160 J	1260 J	1400 J	1700	--
n-Pentatriacontane (C35)	SW8015M	972 J	1690 J	1740 J	1740 J	1710	--
n-Tetracontane (C40)	SW8015M	628 J	2930 U	2860 U	2950 U	1060 J	--
n-Tetracosane (C24)	SW8015M	400 J	2930 U	2860 U	555 J	644 J	--
n-Tetradecane (C14)	SW8015M	348 J	591 J	816 J	1610 J	1260 J	--
n-Tetratriacontane (C34)	SW8015M	1500	2850 J	3350	3390	2840	--
n-Triacontane (C30)	SW8015M	1490	2930 U	2860 U	1880 J	2200	--
n-Tricosane (C23)	SW8015M	380 J	1040 J	1100 J	431 J	326 J	--
n-Tridecane (C13)	SW8015M	1230 U	854 J	1080 J	859 J	600 J	--
n-Tritriacontane (C33)	SW8015M	1740	4730	5780	5980	6320	--
n-Undecane (C11)	SW8015M	1230 U	2930 U	2860 U	2950 U	881 J	--
Pesticides (µg/kg)							
2,4'-DDD (o,p'-DDD)	SW8081A	0.72 J	0.96 J	2.2 J	2.8 J	4.3	--
2,4'-DDE (o,p'-DDE)	SW8081A	1.2 J	3.9 J	3.3 J	5.7 J	1.1 J	--
2,4'-DDT (o,p'-DDT)	SW8081A	0.25 UJ	2.3 U	2.2 U	0.26 UJ	0.29 UJ	--
4,4'-DDD (p,p'-DDD)	SW8081A	3.5 J	8	8.5	14 J	17	--
4,4'-DDE (p,p'-DDE)	SW8081A	4.3 J	6.3 J	7.1 J	11 J	12 J	--
4,4'-DDT (p,p'-DDT)	SW8081A	2 J	13 J	2.2 UJ	2.5 J	1.9 J	--
Aldrin	SW8081A	0.057 J	0.52 J	0.29 J	0.092 J	0.29 U	--
alpha-Hexachlorocyclohexane (BHC)	SW8081A	1.1 J	-- R	-- R	0.26 U	-- R	--
Chlordane, alpha- (cis-Chlordane)	SW8081A	2.1 J	5.5 J	8.4 J	8.2 J	6.5	--
Chlordane, beta- (trans-Chlordane)	SW8081A	0.25 U	48 J	57 J	0.26 U	0.29 U	--
delta-Hexachlorocyclohexane (BHC)	SW8081A	0.091 J	0.85 J	0.93 J	0.32 J	0.21 J	--
Dieldrin	SW8081A	0.25 U	0.65 J	1.3 J	1.3 J	-- R	--
Endosulfan sulfate	SW8081A	0.42 J	2.3 U	2.4 U	0.062 J	-- R	--
Endosulfan-alpha (I)	SW8081A	0.25 U	2.3 UJ	2.2 UJ	0.26 U	0.29 U	--
Endosulfan-beta (II)	SW8081A	0.25 U	1.2 J	0.59 J	1.4 J	-- R	--

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2012	Spring Surface Sediment 2013	Spring Surface Sediment 2014	Spring Surface Sediment 2015	Spring Surface Sediment 2016	Spring Surface Sediment 2017
Task		Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills
Tributary		0.01	0.05795	0.05795	0.08	0.19	0.22
River Mile							
Location ID		DK002SG_20120502	DK012SG_20120711	DK012SG_20120711	DK003SG_20120502	DK004SG_20120502	DK005SG_20120502
Sample ID		DK002SG-000013-20120502	DK012SG-000015-20120711	DK1012SG-000015-20120711	DK003SG-000015-20120502	DK004SG-000015-20120502	DK005SG-000003-20120502
Sample Date		5/2/2012	7/11/2012	7/11/2012	5/2/2012	5/2/2012	5/2/2012
Sample Depth		0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm
Water Column Depth		20.2	5.6	5.6	3.8	14	13.3
Sample Type		N	N	FD	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Endrin	SW8081A	0.23 J	0.68 J	1.5 J	0.26 J	0.39 J	--
Endrin aldehyde	SW8081A	0.054 J	2.3 UJ	2.2 UJ	0.26 UJ	0.29 UJ	--
Endrin ketone	SW8081A	0.25 UJ	0.96 J	0.83 J	1 J	1.4 J	--
Heptachlor	SW8081A	0.25 U	6.1 J	6 J	0.26 U	0.29 U	--
Heptachlor epoxide	SW8081A	0.25 U	0.79 J	0.43 J	0.14 J	0.1 J	--
Hexachlorobenzene	SW8081A	0.28 J	0.58 J	0.79 J	0.87 J	0.71 J	--
Hexachlorocyclohexane, beta- (BHC)	SW8081A	0.25 U	0.87 J	0.71 J	0.068 J	0.29 U	--
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	SW8081A	0.25 U	2.3 UJ	2.2 UJ	0.26 U	0.29 U	--
Methoxychlor	SW8081A	1.3 J	4.5 U	4.5 U	1.9 J	0.59 UJ	--
Mirex	SW8081A	0.25 U	1.2 J	2.4	1.3 J	0.29 U	--
Nonachlor, cis-	SW8081A	0.43 J	0.64 J	0.69 J	0.94 J	0.51 J	--
Nonachlor, trans-	SW8081A	0.97 J	2.3 U	2.2 U	1.7 J	0.29 J	--
Oxychlordane	SW8081A	0.25 UJ	2.3 UJ	0.44 J	0.26 U	0.29 UJ	--
Sum DDD (U = 0)	--	4.22 J	8.96 J	10.7 J	16.8 J	21.3	--
Sum DDD (U = 1/2)	--	4.22 J	8.96 J	10.7 J	16.8 J	21.3	--
Sum DDE (U = 0)	--	5.5 J	10.2 J	10.4 J	16.7 J	13.1 J	--
Sum DDE (U = 1/2)	--	5.5 J	10.2 J	10.4 J	16.7 J	13.1 J	--
Sum DDT (U = 0)	--	2 J	13 J	2.2 UJ	2.5 J	1.9 J	--
Sum DDT (U = 1/2)	--	2.13 J	14.2 J	2.2 UJ	2.63 J	2.04 J	--
Total chlordane (U = 0)	--	3.5 J	54.14 J	66.53 J	10.84 J	7.3 J	--
Total chlordane (U = 1/2)	--	3.75 J	56.44 J	67.63 J	11.1 J	7.59 J	--
Total DDx (U = 0)	--	11.72 J	32.16 J	21.1 J	36 J	36.3 J	--
Total DDx (U = 1/2)	--	11.85 J	33.31 J	23.3 J	36.13 J	36.45 J	--
Toxaphene	SW8081A	10 U	91 U	89 U	10 U	-- R	--
Pesticides - High Resolution (µg/kg)							
2,4'-DDD (o,p'-DDD)	E1699	--	--	--	13	--	--
2,4'-DDE (o,p'-DDE)	E1699	--	--	--	2.4	--	--
2,4'-DDT (o,p'-DDT)	E1699	--	--	--	0.26 U	--	--
4,4'-DDD (p,p'-DDD)	E1699	--	--	--	43	--	--
4,4'-DDE (p,p'-DDE)	E1699	--	--	--	36	--	--
4,4'-DDT (p,p'-DDT)	E1699	--	--	--	3.8	--	--
Aldrin	E1699	--	--	--	0.1 U	--	--

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2012	Spring Surface Sediment 2013	Spring Surface Sediment 2014	Spring Surface Sediment 2015	Spring Surface Sediment 2016	Spring Surface Sediment 2017
Task		Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills
Tributary		0.01	0.05795	0.05795	0.08	0.19	0.22
River Mile							
Location ID		DK002SG_20120502	DK012SG_20120711	DK012SG_20120711	DK003SG_20120502	DK004SG_20120502	DK005SG_20120502
Sample ID		DK002SG-000013-20120502	DK012SG-000015-20120711	DK1012SG-000015-20120711	DK003SG-000015-20120502	DK004SG-000015-20120502	DK005SG-000003-20120502
Sample Date		5/2/2012	7/11/2012	7/11/2012	5/2/2012	5/2/2012	5/2/2012
Sample Depth		0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm
Water Column Depth		20.2	5.6	5.6	3.8	14	13.3
Sample Type		N	N	FD	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
alpha-Hexachlorocyclohexane (BHC)	E1699	--	--	--	0.18 U	--	--
Chlordane, alpha- (cis-Chlordane)	E1699	--	--	--	20	--	--
Chlordane, beta- (trans-Chlordane)	E1699	--	--	--	25	--	--
delta-Hexachlorocyclohexane (BHC)	E1699	--	--	--	0.32 U	--	--
Dieldrin	E1699	--	--	--	7.6	--	--
Endosulfan sulfate	E1699	--	--	--	0.11 U	--	--
Endosulfan-alpha (I)	E1699	--	--	--	0.32 U	--	--
Endosulfan-beta (II)	E1699	--	--	--	1 U	--	--
Endrin	E1699	--	--	--	0.25 U	--	--
Endrin aldehyde	E1699	--	--	--	0.29 U	--	--
Endrin ketone	E1699	--	--	--	0.32 U	--	--
Heptachlor	E1699	--	--	--	0.05 U	--	--
Heptachlor epoxide	E1699	--	--	--	0.1 U	--	--
Hexachlorobenzene	E1699	--	--	--	3.3	--	--
Hexachlorocyclohexane, beta- (BHC)	E1699	--	--	--	0.2 U	--	--
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	E1699	--	--	--	0.23 U	--	--
Methoxychlor	E1699	--	--	--	0.2 U	--	--
Mirex	E1699	--	--	--	3.1	--	--
Nonachlor, cis-	E1699	--	--	--	5.7	--	--
Nonachlor, trans-	E1699	--	--	--	11	--	--
Oxychlordane	E1699	--	--	--	0.09 U	--	--
Sum DDD high resolution (U = 0)	--	--	--	--	56	--	--
Sum DDD high resolution (U = 1/2)	--	--	--	--	56	--	--
Sum DDE high resolution (U = 0)	--	--	--	--	38.4	--	--
Sum DDE high resolution (U = 1/2)	--	--	--	--	38.4	--	--
Sum DDT high resolution (U = 0)	--	--	--	--	3.8	--	--
Sum DDT high resolution (U = 1/2)	--	--	--	--	3.93	--	--
Total chlordane high resolution (U = 0)	--	--	--	--	61.7	--	--
Total chlordane high resolution (U = 1/2)	--	--	--	--	61.745	--	--
Total DDx high resolution (U = 0)	--	--	--	--	98.2	--	--
Total DDx high resolution (U = 1/2)	--	--	--	--	98.33	--	--
Toxaphene	E1699	--	--	--	7.9 U	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2012	Spring Surface Sediment 2013	Spring Surface Sediment 2014	Spring Surface Sediment 2015	Spring Surface Sediment 2016	Spring Surface Sediment 2017
Tributary		Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills
River Mile		0.01	0.05795	0.05795	0.08	0.19	0.22
Location ID		DK002SG_20120502	DK012SG_20120711	DK012SG_20120711	DK003SG_20120502	DK004SG_20120502	DK005SG_20120502
Sample ID		DK002SG-000013-20120502	DK012SG-000015-20120711	DK1012SG-000015-20120711	DK003SG-000015-20120502	DK004SG-000015-20120502	DK005SG-000003-20120502
Sample Date		5/2/2012	7/11/2012	7/11/2012	5/2/2012	5/2/2012	5/2/2012
Sample Depth		0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm
Water Column Depth		20.2	5.6	5.6	3.8	14	13.3
Sample Type		N	N	FD	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Herbicides (µg/kg)							
2,2-Dichloropropionic acid (dalapon)	SW8151A	270 U	240 U	240 U	280 U	320 U	--
2,4,5-T (2,4,5-trichlorophenoxyacetic acid)	SW8151A	61 U	54 U	54 U	62 U	71 U	--
2,4,5-TP (Silvex)	SW8151A	61 U	54 U	54 U	62 U	71 U	--
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	240 U	220 U	220 U	250 U	280 U	--
2,4-DB (2,4-D derivative)	SW8151A	240 U	220 UJ	220 U	250 U	280 U	--
Dicamba	SW8151A	120 U	110 U	110 U	120 U	140 U	--
Dichlorprop	SW8151A	240 U	220 U	220 U	250 U	280 U	--
Dinoseb	SW8151A	36 UJ	33 UJ	32 UJ	37 UJ	43 UJ	--
Mecoprop (MCPP)	SW8151A	24000 U	22000 U	22000 U	25000 U	28000 U	--
Mephanac (MCPA)	SW8151A	24000 U	22000 U	22000 U	25000 U	28000 U	--
Dioxin Furans (ng/kg)							
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	--	--	--	11.8	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	--	--	--	26.7	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	--	--	33	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	--	--	90.4	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	--	--	70.4	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B	--	--	--	1230	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B	--	--	--	10000	--	--
Total tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	--	--	--	279 J	--	--
Total pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	--	--	--	358 J	--	--
Total hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	--	--	948	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2012	Spring Surface Sediment 2013	Spring Surface Sediment 2014	Spring Surface Sediment 2015	Spring Surface Sediment 2016	Spring Surface Sediment 2017
		Tributary	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills
		River Mile	0.01	0.05795	0.05795	0.08	0.19	0.22
		Location ID	DK002SG_20120502	DK012SG_20120711	DK012SG_20120711	DK003SG_20120502	DK004SG_20120502	DK005SG_20120502
		Sample ID	DK002SG-000013-20120502	DK012SG-000015-20120711	DK1012SG-000015-20120711	DK003SG-000015-20120502	DK004SG-000015-20120502	DK005SG-000003-20120502
		Sample Date	5/2/2012	7/11/2012	7/11/2012	5/2/2012	5/2/2012	5/2/2012
		Sample Depth	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm
		Water Column Depth	20.2	5.6	5.6	3.8	14	13.3
		Sample Type	N	N	FD	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
Total heptachlorodibenzo-p-dioxin (HpCDD)	E1613B		--	--	--	2610	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B		--	--	--	42.2	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B		--	--	--	75.3	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B		--	--	--	90.5	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B		--	--	--	273	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B		--	--	--	141 J	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B		--	--	--	0.484 U	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B		--	--	--	101	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B		--	--	--	1450	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B		--	--	--	58.2	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B		--	--	--	1480	--	--
Total tetrachlorodibenzofuran (TCDF)	E1613B		--	--	--	1180 J	--	--
Total pentachlorodibenzofuran (PeCDF)	E1613B		--	--	--	1310 J	--	--
Total hexachlorodibenzofuran (HxCDF)	E1613B		--	--	--	1640 J	--	--
Total heptachlorodibenzofuran (HpCDF)	E1613B		--	--	--	2040	--	--
Total dioxin/furan TEQ 1998 (avian) (U = 0)	--		--	--	--	257.284 J	--	--
Total dioxin/furan TEQ 1998 (avian) (U = 1/2)	--		--	--	--	257.308 J	--	--
Total dioxin/furan TEQ 1998 (fish) (U = 0)	--		--	--	--	176.693 J	--	--
Total dioxin/furan TEQ 1998 (fish) (U = 1/2)	--		--	--	--	176.717 J	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2012	Spring Surface Sediment 2013	Spring Surface Sediment 2014	Spring Surface Sediment 2015	Spring Surface Sediment 2016	Spring Surface Sediment 2017
Tributary		Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills
River Mile		0.01	0.05795	0.05795	0.08	0.19	0.22
Location ID		DK002SG_20120502	DK012SG_20120711	DK012SG_20120711	DK003SG_20120502	DK004SG_20120502	DK005SG_20120502
Sample ID		DK002SG-000013-20120502	DK012SG-000015-20120711	DK1012SG-000015-20120711	DK003SG-000015-20120502	DK004SG-000015-20120502	DK005SG-000003-20120502
Sample Date		5/2/2012	7/11/2012	7/11/2012	5/2/2012	5/2/2012	5/2/2012
Sample Depth		0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm
Water Column Depth		20.2	5.6	5.6	3.8	14	13.3
Sample Type		N	N	FD	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total dioxin/furan TEQ 2005 (mammal) (U = 0)	--	--	--	--	173.835 J	--	--
Total dioxin/furan TEQ 2005 (mammal) (U = 1/2)	--	--	--	--	173.859 J	--	--
PCB Aroclors (µg/kg)							
Aroclor 1016	SW8082A	13 U	11 U	11 U	65 U	15 U	--
Aroclor 1221	SW8082A	13 U	11 U	11 U	65 U	15 U	--
Aroclor 1232	SW8082A	13 U	11 U	11 U	65 U	15 U	--
Aroclor 1242	SW8082A	190	1100	1000	870	310	--
Aroclor 1248	SW8082A	13 U	11 U	11 U	65 U	15 U	--
Aroclor 1254	SW8082A	13 U	1200	1300	65 U	15 U	--
Aroclor 1260	SW8082A	170	11 U	11 U	1200	680	--
Aroclor 1262	SW8082A	13 U	11 U	11 U	65 U	15 U	--
Aroclor 1268	SW8082A	13 U	11 U	11 U	65 U	15 U	--
Total PCB Aroclors (U = 0)	--	360	2300	2300	2070	990	--
Total PCB Aroclors (U = 1/2)	--	405.5	2338.5	2338.5	2297.5	1042.5	--
PCB Congeners (ng/kg)							
PCB-001	E1668B	--	--	--	4190	--	--
PCB-002	E1668B	--	--	--	885	--	--
PCB-003	E1668B	--	--	--	6940	--	--
PCB-004	E1668B	--	--	--	11900	--	--
PCB-005	E1668B	--	--	--	654	--	--
PCB-006	E1668B	--	--	--	7530	--	--
PCB-007	E1668B	--	--	--	1460	--	--
PCB-008	E1668B	--	--	--	33200 J	--	--
PCB-009	E1668B	--	--	--	2250	--	--
PCB-010	E1668B	--	--	--	862	--	--
PCB-011	E1668B	--	--	--	3620	--	--
PCB-012/013	E1668B	--	--	--	6080	--	--
PCB-014	E1668B	--	--	--	23.5 U	--	--
PCB-015	E1668B	--	--	--	52400 J	--	--
PCB-016	E1668B	--	--	--	19600 J	--	--
PCB-017	E1668B	--	--	--	23900 J	--	--

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2012	Spring Surface Sediment 2013	Spring Surface Sediment 2014	Spring Surface Sediment 2015	Spring Surface Sediment 2016	Spring Surface Sediment 2017
Task		Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills
Tributary		0.01	0.05795	0.05795	0.08	0.19	0.22
River Mile							
Location ID		DK002SG_20120502	DK012SG_20120711	DK012SG_20120711	DK003SG_20120502	DK004SG_20120502	DK005SG_20120502
Sample ID		DK002SG-000013-20120502	DK012SG-000015-20120711	DK1012SG-000015-20120711	DK003SG-000015-20120502	DK004SG-000015-20120502	DK005SG-000003-20120502
Sample Date		5/2/2012	7/11/2012	7/11/2012	5/2/2012	5/2/2012	5/2/2012
Sample Depth		0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm
Water Column Depth		20.2	5.6	5.6	3.8	14	13.3
Sample Type		N	N	FD	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
PCB-018/030	E1668B	--	--	--	42400 J	--	--
PCB-019	E1668B	--	--	--	5530	--	--
PCB-020/028	E1668B	--	--	--	113000 J	--	--
PCB-021/033	E1668B	--	--	--	38300 J	--	--
PCB-022	E1668B	--	--	--	35600 J	--	--
PCB-023	E1668B	--	--	--	93.2	--	--
PCB-024	E1668B	--	--	--	10.4 U	--	--
PCB-025	E1668B	--	--	--	9450	--	--
PCB-026/029	E1668B	--	--	--	16200 J	--	--
PCB-027	E1668B	--	--	--	4900	--	--
PCB-031	E1668B	--	--	--	102000 J	--	--
PCB-032	E1668B	--	--	--	17700 J	--	--
PCB-034	E1668B	--	--	--	443	--	--
PCB-035	E1668B	--	--	--	2450	--	--
PCB-036	E1668B	--	--	--	26.9 U	--	--
PCB-037	E1668B	--	--	--	41600 J	--	--
PCB-038	E1668B	--	--	--	78.7 J	--	--
PCB-039	E1668B	--	--	--	682	--	--
PCB-040/071	E1668B	--	--	--	41500 J	--	--
PCB-041	E1668B	--	--	--	11000	--	--
PCB-042	E1668B	--	--	--	29100 J	--	--
PCB-043	E1668B	--	--	--	3430	--	--
PCB-044/047/065	E1668B	--	--	--	90600 J	--	--
PCB-045	E1668B	--	--	--	--	--	--
PCB-045/051	E1668B	--	--	--	18500 J	--	--
PCB-046	E1668B	--	--	--	5990	--	--
PCB-048	E1668B	--	--	--	22400 J	--	--
PCB-049/069	E1668B	--	--	--	68200 J	--	--
PCB-050/053	E1668B	--	--	--	13500 J	--	--
PCB-051	E1668B	--	--	--	--	--	--
PCB-052	E1668B	--	--	--	102000 J	--	--
PCB-054	E1668B	--	--	--	235	--	--
PCB-055	E1668B	--	--	--	33.7 U	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2012	Spring Surface Sediment 2013	Spring Surface Sediment 2014	Spring Surface Sediment 2015	Spring Surface Sediment 2016	Spring Surface Sediment 2017
		Tributary	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills
		River Mile	0.01	0.05795	0.05795	0.08	0.19	0.22
		Location ID	DK002SG_20120502	DK012SG_20120711	DK012SG_20120711	DK003SG_20120502	DK004SG_20120502	DK005SG_20120502
		Sample ID	DK002SG-000013-20120502	DK012SG-000015-20120711	DK1012SG-000015-20120711	DK003SG-000015-20120502	DK004SG-000015-20120502	DK005SG-000003-20120502
		Sample Date	5/2/2012	7/11/2012	7/11/2012	5/2/2012	5/2/2012	5/2/2012
		Sample Depth	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm
		Water Column Depth	20.2	5.6	5.6	3.8	14	13.3
		Sample Type	N	N	FD	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-056	E1668B	--	--	--	--	45200 J	--	--
PCB-057	E1668B	--	--	--	--	2490	--	--
PCB-058	E1668B	--	--	--	--	214	--	--
PCB-059/062/075	E1668B	--	--	--	--	8160	--	--
PCB-060	E1668B	--	--	--	--	24100 J	--	--
PCB-061/070/074/076	E1668B	--	--	--	--	163000 J	--	--
PCB-063	E1668B	--	--	--	--	4050	--	--
PCB-064	E1668B	--	--	--	--	42900 J	--	--
PCB-066	E1668B	--	--	--	--	93600 J	--	--
PCB-067	E1668B	--	--	--	--	3810	--	--
PCB-068	E1668B	--	--	--	--	510	--	--
PCB-072	E1668B	--	--	--	--	787	--	--
PCB-073	E1668B	--	--	--	--	20.1 U	--	--
PCB-077	E1668B	--	--	--	--	12400 J	--	--
PCB-078	E1668B	--	--	--	--	35.9 U	--	--
PCB-079	E1668B	--	--	--	--	824 J	--	--
PCB-080	E1668B	--	--	--	--	31.8 U	--	--
PCB-081	E1668B	--	--	--	--	465	--	--
PCB-082	E1668B	--	--	--	--	13900 J	--	--
PCB-083	E1668B	--	--	--	--	6260 J	--	--
PCB-084	E1668B	--	--	--	--	19600 J	--	--
PCB-085/116	E1668B	--	--	--	--	--	--	--
PCB-085/116/117	E1668B	--	--	--	--	17500 J	--	--
PCB-086/087/097/108/119/125	E1668B	--	--	--	--	71900 J	--	--
PCB-088	E1668B	--	--	--	--	--	--	--
PCB-088/091	E1668B	--	--	--	--	15800 J	--	--
PCB-089	E1668B	--	--	--	--	1280	--	--
PCB-090/101/113	E1668B	--	--	--	--	115000 J	--	--
PCB-091	E1668B	--	--	--	--	--	--	--
PCB-092	E1668B	--	--	--	--	15300 J	--	--
PCB-093/100	E1668B	--	--	--	--	1880	--	--
PCB-094	E1668B	--	--	--	--	542	--	--
PCB-095	E1668B	--	--	--	--	60900 J	--	--

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2012	Spring Surface Sediment 2013	Spring Surface Sediment 2014	Spring Surface Sediment 2015	Spring Surface Sediment 2016	Spring Surface Sediment 2017
Task		Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills
Tributary		0.01	0.05795	0.05795	0.08	0.19	0.22
River Mile							
Location ID		DK002SG_20120502	DK012SG_20120711	DK012SG_20120711	DK003SG_20120502	DK004SG_20120502	DK005SG_20120502
Sample ID		DK002SG-000013-20120502	DK012SG-000015-20120711	DK1012SG-000015-20120711	DK003SG-000015-20120502	DK004SG-000015-20120502	DK005SG-000003-20120502
Sample Date		5/2/2012	7/11/2012	7/11/2012	5/2/2012	5/2/2012	5/2/2012
Sample Depth		0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm
Water Column Depth		20.2	5.6	5.6	3.8	14	13.3
Sample Type		N	N	FD	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
PCB-096	E1668B	--	--	--	861	--	--
PCB-098	E1668B	--	--	--	--	--	--
PCB-098/102	E1668B	--	--	--	3570	--	--
PCB-099	E1668B	--	--	--	54400 J	--	--
PCB-102	E1668B	--	--	--	--	--	--
PCB-103	E1668B	--	--	--	1660	--	--
PCB-104	E1668B	--	--	--	40.8 J	--	--
PCB-105	E1668B	--	--	--	44000 J	--	--
PCB-106	E1668B	--	--	--	95 U	--	--
PCB-107/124	E1668B	--	--	--	3940	--	--
PCB-109	E1668B	--	--	--	7050	--	--
PCB-110	E1668B	--	--	--	--	--	--
PCB-110/115	E1668B	--	--	--	114000 J	--	--
PCB-111	E1668B	--	--	--	1460	--	--
PCB-112	E1668B	--	--	--	30.3 U	--	--
PCB-114	E1668B	--	--	--	2510	--	--
PCB-115	E1668B	--	--	--	--	--	--
PCB-117	E1668B	--	--	--	--	--	--
PCB-118	E1668B	--	--	--	111000 J	--	--
PCB-120	E1668B	--	--	--	270	--	--
PCB-121	E1668B	--	--	--	30.3 U	--	--
PCB-122	E1668B	--	--	--	1220	--	--
PCB-123	E1668B	--	--	--	2020 J	--	--
PCB-126	E1668B	--	--	--	1280	--	--
PCB-127	E1668B	--	--	--	998 J	--	--
PCB-128/166	E1668B	--	--	--	20400 J	--	--
PCB-129/138/163	E1668B	--	--	--	152000 J	--	--
PCB-130	E1668B	--	--	--	7600	--	--
PCB-131	E1668B	--	--	--	2380	--	--
PCB-132	E1668B	--	--	--	42500 J	--	--
PCB-133	E1668B	--	--	--	65.1 U	--	--
PCB-134	E1668B	--	--	--	77.3 U	--	--
PCB-135/151	E1668B	--	--	--	44100 J	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2012	Spring Surface Sediment 2013	Spring Surface Sediment 2014	Spring Surface Sediment 2015	Spring Surface Sediment 2016	Spring Surface Sediment 2017
		Tributary	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills
		River Mile	0.01	0.05795	0.05795	0.08	0.19	0.22
		Location ID	DK002SG_20120502	DK012SG_20120711	DK012SG_20120711	DK003SG_20120502	DK004SG_20120502	DK005SG_20120502
		Sample ID	DK002SG-000013-20120502	DK012SG-000015-20120711	DK1012SG-000015-20120711	DK003SG-000015-20120502	DK004SG-000015-20120502	DK005SG-000003-20120502
		Sample Date	5/2/2012	7/11/2012	7/11/2012	5/2/2012	5/2/2012	5/2/2012
		Sample Depth	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm
		Water Column Depth	20.2	5.6	5.6	3.8	14	13.3
		Sample Type	N	N	FD	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-136	E1668B	--	--	--	--	15000 J	--	--
PCB-137	E1668B	--	--	--	--	4890 J	--	--
PCB-139/140	E1668B	--	--	--	--	59.1 U	--	--
PCB-141	E1668B	--	--	--	--	29400 J	--	--
PCB-142	E1668B	--	--	--	--	66.2 U	--	--
PCB-143	E1668B	--	--	--	--	5030	--	--
PCB-144	E1668B	--	--	--	--	6470 J	--	--
PCB-145	E1668B	--	--	--	--	26.7 U	--	--
PCB-146	E1668B	--	--	--	--	21800 J	--	--
PCB-147/149	E1668B	--	--	--	--	130000 J	--	--
PCB-148	E1668B	--	--	--	--	379	--	--
PCB-150	E1668B	--	--	--	--	929	--	--
PCB-152	E1668B	--	--	--	--	114 J	--	--
PCB-153/168	E1668B	--	--	--	--	147000 J	--	--
PCB-154	E1668B	--	--	--	--	5070	--	--
PCB-155	E1668B	--	--	--	--	152	--	--
PCB-156/157	E1668B	--	--	--	--	17200 J	--	--
PCB-158	E1668B	--	--	--	--	15200 J	--	--
PCB-159	E1668B	--	--	--	--	56.1 U	--	--
PCB-160	E1668B	--	--	--	--	50.4 U	--	--
PCB-161	E1668B	--	--	--	--	45.8 U	--	--
PCB-162	E1668B	--	--	--	--	51.6 U	--	--
PCB-164	E1668B	--	--	--	--	10600	--	--
PCB-165	E1668B	--	--	--	--	51.3 U	--	--
PCB-167	E1668B	--	--	--	--	6220	--	--
PCB-169	E1668B	--	--	--	--	692 J	--	--
PCB-170	E1668B	--	--	--	--	43700 J	--	--
PCB-171/173	E1668B	--	--	--	--	13200 J	--	--
PCB-172	E1668B	--	--	--	--	7540	--	--
PCB-174	E1668B	--	--	--	--	45300 J	--	--
PCB-175	E1668B	--	--	--	--	2020	--	--
PCB-176	E1668B	--	--	--	--	5580	--	--
PCB-177	E1668B	--	--	--	--	26600 J	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2012	Spring Surface Sediment 2013	Spring Surface Sediment 2014	Spring Surface Sediment 2015	Spring Surface Sediment 2016	Spring Surface Sediment 2017
		Tributary	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills
		River Mile	0.01	0.05795	0.05795	0.08	0.19	0.22
		Location ID	DK002SG_20120502	DK012SG_20120711	DK012SG_20120711	DK003SG_20120502	DK004SG_20120502	DK005SG_20120502
		Sample ID	DK002SG-000013-20120502	DK012SG-000015-20120711	DK1012SG-000015-20120711	DK003SG-000015-20120502	DK004SG-000015-20120502	DK005SG-000003-20120502
		Sample Date	5/2/2012	7/11/2012	7/11/2012	5/2/2012	5/2/2012	5/2/2012
		Sample Depth	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm
		Water Column Depth	20.2	5.6	5.6	3.8	14	13.3
		Sample Type	N	N	FD	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-178	E1668B	--	--	--	--	10300	--	--
PCB-179	E1668B	--	--	--	--	19800 J	--	--
PCB-180/193	E1668B	--	--	--	--	104000 J	--	--
PCB-181	E1668B	--	--	--	--	282	--	--
PCB-182	E1668B	--	--	--	--	40.7 U	--	--
PCB-183	E1668B	--	--	--	--	--	--	--
PCB-183/185	E1668B	--	--	--	--	30500 J	--	--
PCB-184	E1668B	--	--	--	--	34.4 U	--	--
PCB-185	E1668B	--	--	--	--	--	--	--
PCB-186	E1668B	--	--	--	--	32.4 U	--	--
PCB-187	E1668B	--	--	--	--	78800 J	--	--
PCB-188	E1668B	--	--	--	--	421	--	--
PCB-189	E1668B	--	--	--	--	1850	--	--
PCB-190	E1668B	--	--	--	--	9960	--	--
PCB-191	E1668B	--	--	--	--	1880	--	--
PCB-192	E1668B	--	--	--	--	41.9 U	--	--
PCB-194	E1668B	--	--	--	--	30100 J	--	--
PCB-195	E1668B	--	--	--	--	10600	--	--
PCB-196	E1668B	--	--	--	--	14500 J	--	--
PCB-197	E1668B	--	--	--	--	--	--	--
PCB-197/200	E1668B	--	--	--	--	4150	--	--
PCB-198/199	E1668B	--	--	--	--	34500 J	--	--
PCB-200	E1668B	--	--	--	--	--	--	--
PCB-201	E1668B	--	--	--	--	3740	--	--
PCB-202	E1668B	--	--	--	--	7590	--	--
PCB-203	E1668B	--	--	--	--	21600 J	--	--
PCB-204	E1668B	--	--	--	--	31.3 U	--	--
PCB-205	E1668B	--	--	--	--	1560	--	--
PCB-206	E1668B	--	--	--	--	21600 J	--	--
PCB-207	E1668B	--	--	--	--	1760	--	--
PCB-208	E1668B	--	--	--	--	7860	--	--
PCB-209	E1668B	--	--	--	--	14100 J	--	--
Total PCB congener (U = 0)	--	--	--	--	--	3365523.7 J	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2012	Spring Surface Sediment 2013	Spring Surface Sediment 2014	Spring Surface Sediment 2015	Spring Surface Sediment 2016	Spring Surface Sediment 2017
Tributary		Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills
River Mile		0.01	0.05795	0.05795	0.08	0.19	0.22
Location ID		DK002SG_20120502	DK012SG_20120711	DK012SG_20120711	DK003SG_20120502	DK004SG_20120502	DK005SG_20120502
Sample ID		DK002SG-000013-20120502	DK012SG-000015-20120711	DK1012SG-000015-20120711	DK003SG-000015-20120502	DK004SG-000015-20120502	DK005SG-000003-20120502
Sample Date		5/2/2012	7/11/2012	7/11/2012	5/2/2012	5/2/2012	5/2/2012
Sample Depth		0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm
Water Column Depth		20.2	5.6	5.6	3.8	14	13.3
Sample Type		N	N	FD	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total PCB congener (U = 1/2)	--	--	--	--	3366057.8 J	--	--
Total PCB congener TEQ 1998 (avian) (U = 0)	--	--	--	--	802.7739 J	--	--
Total PCB congener TEQ 1998 (avian) (U = 1/2)	--	--	--	--	802.7739 J	--	--
Total PCB congener TEQ 1998 (fish) (U = 0)	--	--	--	--	8.8311 J	--	--
Total PCB congener TEQ 1998 (fish) (U = 1/2)	--	--	--	--	8.8311 J	--	--
Total PCB congener TEQ 2005 (mammal) (U = 0)	--	--	--	--	155.6835 J	--	--
Total PCB congener TEQ 2005 (mammal) (U = 1/2)	--	--	--	--	155.6835 J	--	--
Total Petroleum Hydrocarbons (mg/kg)							
Diesel range organics (C10 - C28)	SW8015M	1310	4120	4890	5870	4090	--
Phytane	SW8015M	1.27	2.29 J	2.58 J	3.41	4.61	--
Pristane	SW8015M	1.35	2.2 J	2.88	4.76	6.47	--
Total petroleum hydrocarbons (C9-C40)	SW8015M	2570	7510	8480	10200	7060	--
Radionuclides (pci/g)							
Beryllium 7	HASL300	--	--	--	--	--	1.201

Table A4-2
Surface Sediment Analytical Results

Task	Spring Surface Sediment 2018	Spring Surface Sediment 2019	Spring Surface Sediment 2020	Spring Surface Sediment 2021	Spring Surface Sediment 2022	Spring Surface Sediment 2023
Tributary	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills
River Mile	0.22	0.24	0.32	0.38	0.41	0.43
Location ID	DK005SG_20120502	DK006SG_20120502	DK007SG_20120502	DK008SG_20120420	DK009SG_20120420	DK010SG_20120420
Sample ID	DK005SG-000015-20120502	DK006SG-000015-20120502	DK007SG-000015-20120502	DK008SG-000015-20120420	DK009SG-000015-20120420	DK010SG-000015-20120420
Sample Date	5/2/2012	5/2/2012	5/2/2012	4/20/2012	4/20/2012	4/20/2012
Sample Depth	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth	13.3	11.6	12.5	12.4	4.8	9.8
Sample Type	N	N	N	N	N	N
Matrix	SE	SE	SE	SE	SE	SE
Conventional Parameters (lb/ft³)						
Density	D7263	28.7	22.3	12.4	16.2	32.2
Conventional Parameters (mg/kg)						
Ammonia as nitrogen	SM4500NH3H	62	110	370	270	81
Cyanide, total	SW9012A	2.8 U	3 U	5.1 U	4.5 U	2.4 U
Nitrate + nitrite as nitrogen	SM4500NO3F	9.8	8.2	13 U	12 U	5.6 U
Nitrogen ((No Suggestions))	SM4500NORGC	4000 J	3500 J	5800 J	3200	3700
Phosphorus	SM4500PE	2100	1600	1400	1600 J	770 J
Sulfide	SW9030B	6600	7200	14000	15000	10000
Conventional Parameters (pct)						
Moisture (water) content	D2216	171.5	--	--	--	--
Moisture, percent	D2216	66.9	--	--	--	--
Soot carbon	SOOTC	0.562	0.833	0.351	0.35 J	0.504 J
Total organic carbon	SW9060	5.295	5.685	5.065	6.755	5.395
Total solids	SM2540G	33.7	32.4	18.8	21.1	42.3
Conventional Parameters (SU)						
pH	SW9045C	8.2	8.2	8.2	8.2	7.8
Conventional Parameters (unitless)						
Liquid limit	D4318	155	--	--	--	--
Plastic limit	D4318	45	--	--	--	--
Plasticity index	D4318	110	--	--	--	--
Specific gravity	D854	2.48	--	--	--	--
Grain Size (pct)						
Cobbles	D422	0	0	0	0	0
Gravel	D422	0.8	0.4	0	1.1	2.1
Sand	D422	12.4	15.7	4.5	26.9	74.6
Fines (silt + clay)	D422	86.8	83.9	95.5	72	23.3
Percent passing 0.375 inch (3/8 inch sieve)	D422	100	100	--	100	99
Percent passing 0.5 inch (1/2 inch sieve)	D422	100	--	--	--	99
Percent passing 0.75 inch (3/4 inch sieve)	D422	--	--	--	--	99
Percent passing 1 inch (1 inch sieve)	D422	--	--	--	--	100
Percent passing 75 micron sieve (#200)	D422	87	84	96	72	23
Percent passing 150 micron sieve (#100)	D422	89	86	98	82	31

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2018	Spring Surface Sediment 2019	Spring Surface Sediment 2020	Spring Surface Sediment 2021	Spring Surface Sediment 2022	Spring Surface Sediment 2023
Tributary		Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills
River Mile		0.22	0.24	0.32	0.38	0.41	0.43
Location ID		DK005SG_20120502	DK006SG_20120502	DK007SG_20120502	DK008SG_20120420	DK009SG_20120420	DK010SG_20120420
Sample ID		DK005SG-000015-20120502	DK006SG-000015-20120502	DK007SG-000015-20120502	DK008SG-000015-20120420	DK009SG-000015-20120420	DK010SG-000015-20120420
Sample Date		5/2/2012	5/2/2012	5/2/2012	4/20/2012	4/20/2012	4/20/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		13.3	11.6	12.5	12.4	4.8	9.8
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Percent passing 250 micron sieve (#60)	D422	92	88	99	89	51	95
Percent passing 425 micron sieve (#40)	D422	95	92	99	92	75	97
Percent passing 850 micron sieve (#20)	D422	96	93	99	94	91	98
Percent passing 2000 micron sieve (#10)	D422	97	94	100	95	96	98
Percent passing 4750 micron sieve (#4)	D422	99	100	100	99	98	99
Metals (mg/kg)							
Aluminum	SW6020A	13200	11000	11300	7990	3380	11300
Antimony	SW6020A	2.46 J	2.35 J	2.35 J	2.41 J	1.9 J	2.97 J
Arsenic	SW6020A	23	31.4	10.3	7.27	3.13	8.92
Barium	SW6020A	193	183	150	132 J	65.3 J	192 J
Beryllium	SW6020A	1.02	0.77	0.704	0.525	0.17 J	0.571
Cadmium	SW6020A	31.8	25	5.5	3.05 J	5.99 J	4.09 J
Calcium	SW6020A	10400	18400	15400	16000 J	10300 J	25800 J
Chromium	SW6020A	250	219	88.3	72.2 J	43.1 J	87 J
Cobalt	SW6020A	19.2	14.7	11.9	10.2 J	4.8 J	13.2 J
Copper	SW6020A	704	583	337	334 J	153 J	435 J
Iron	SW6020A	31800	33100	31200	25400	15700	37400
Lead	SW6020A	601	666	333	408	414	403
Magnesium	SW6020A	10800	9650	13900	10500	5460	15400
Manganese	SW6020A	344	319	256	203 J	80.9 J	216 J
Mercury	E1631M	2.19	3.2	1.16	10.9 J	0.448 J	1.33 J
Nickel	SW6020A	148	136	51	48.8 J	20.5 J	54.8 J
Potassium	SW6020A	3430	2980	3660	2670 J	1150 J	3340 J
Selenium	SW6020A	4.4	5.15	3.45	2.14	2.21	2.74
Silver	SW6020A	11	9.24	14.2	13.1	6.13	23.1
Sodium	SW6020A	17200	18100	32600	24800 J	11900 J	27700 J
Thallium	SW6020A	0.404	0.396	0.297 J	0.184 J	0.063 J	0.227 J
Tin	SW6020A	44.8	46.6	27.7	20.9	16.1	22
Vanadium	SW6020A	59.1	51.8	45.8	39.8	18.9	53.7
Zinc	SW6020A	1270	1110	952	1010 J	476 J	1360 J
Organometallic Compounds (µg/kg)							
Methyl mercury	E1630M	0.827	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2018	Spring Surface Sediment 2019	Spring Surface Sediment 2020	Spring Surface Sediment 2021	Spring Surface Sediment 2022	Spring Surface Sediment 2023
Tributary		Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills
River Mile		0.22	0.24	0.32	0.38	0.41	0.43
Location ID		DK005SG_20120502	DK006SG_20120502	DK007SG_20120502	DK008SG_20120420	DK009SG_20120420	DK010SG_20120420
Sample ID		DK005SG-000015-20120502	DK006SG-000015-20120502	DK007SG-000015-20120502	DK008SG-000015-20120420	DK009SG-000015-20120420	DK010SG-000015-20120420
Sample Date		5/2/2012	5/2/2012	5/2/2012	4/20/2012	4/20/2012	4/20/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		13.3	11.6	12.5	12.4	4.8	9.8
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Volatile Organics (µg/kg)							
1,1,1-Trichloroethane	SW8260B	240 U	2.8 U	4.9 U	4.7 U	2.4 U	5 U
1,1,2,2-Tetrachloroethane	SW8260B	240 U	2.8 U	4.9 U	4.7 U	2.4 U	5 U
1,1,2-Trichloroethane	SW8260B	360 U	4.1 U	7.4 U	7.1 U	3.5 U	7.6 U
1,1,2-Trichlorotrifluoroethane	SW8260B	4900 U	55 U	98 U	95 U	47 U	100 U
1,1-Dichloroethane	SW8260B	360 U	4.1 U	7.4 U	7.1 U	3.5 U	7.6 U
1,1-Dichloroethene	SW8260B	240 U	2.8 U	4.9 U	4.7 U	2.4 U	5 U
1,2,3-Trichlorobenzene	SW8260B	1200 U	14 U	25 U	24 U	12 U	25 U
1,2,4-Trichlorobenzene	SW8260B	1200 U	14 U	25 U	24 U	12 U	25 U
1,2-Dibromo-3-chloropropane	SW8260B	1200 U	14 U	25 U	24 U	12 U	25 U
1,2-Dichlorobenzene	SW8260B	1200 U	1.1 J	25 U	24 U	2 J	25 U
1,2-Dichloroethane	SW8260B	240 U	2.8 U	4.9 U	4.7 U	2.4 U	5 U
1,2-Dichloroethene, cis-	SW8260B	240 U	2.8 U	4.9 U	4.7 U	2.4 U	5 U
1,2-Dichloroethene, trans-	SW8260B	360 U	4.1 U	7.4 U	7.1 U	3.5 U	7.6 U
1,2-Dichloropropane	SW8260B	850 U	9.6 U	17 U	16 U	8.3 U	18 U
1,3-Dichlorobenzene	SW8260B	1200 U	14 U	25 U	24 U	12 U	25 U
1,3-Dichloropropene, cis-	SW8260B	240 U	2.8 U	4.9 U	4.7 U	2.4 U	5 U
1,3-Dichloropropene, trans-	SW8260B	240 U	2.8 U	4.9 U	4.7 U	2.4 U	5 U
1,4-Dichlorobenzene	SW8260B	1200 U	1.2 J	3.8 J	30	140	27
2-Butanone (MEK)	SW8260B	2400 U	99	120	230	91	310
2-Hexanone (methyl butyl ketone)	SW8260B	2400 U	28 U	49 U	47 U	24 U	50 U
Acetone	SW8260B	8800 U	480	540	1000 J	370	1400 J
Benzene	SW8260B	240 U	2.8 U	4.9 U	4.7 U	2.4 U	3.2 J
Bromochloromethane	SW8260B	1200 U	14 U	25 U	24 U	12 U	25 U
Bromodichloromethane	SW8260B	240 U	2.8 U	4.9 U	4.7 U	2.4 U	5 U
Bromoform (tribromomethane)	SW8260B	980 U	11 U	20 U	19 U	9.4 U	20 U
Bromomethane (methyl bromide)	SW8260B	490 U	5.5 U	9.8 U	9.5 U	4.7 U	10 U
Carbon disulfide	SW8260B	2400 U	48	61	86	24	100
Carbon tetrachloride (tetrachloromethane)	SW8260B	240 U	2.8 U	4.9 U	4.7 U	2.4 U	5 U
Chlorobenzene	SW8260B	240 U	1.4 J	4.9 U	8	33	5.4
Chloroethane	SW8260B	490 U	5.5 U	9.8 U	9.5 U	4.7 U	10 U
Chloroform	SW8260B	360 U	4.1 U	7.4 U	7.1 U	3.5 U	7.6 U

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2018	Spring Surface Sediment 2019	Spring Surface Sediment 2020	Spring Surface Sediment 2021	Spring Surface Sediment 2022	Spring Surface Sediment 2023
Tributary		Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills
River Mile		0.22	0.24	0.32	0.38	0.41	0.43
Location ID		DK005SG_20120502	DK006SG_20120502	DK007SG_20120502	DK008SG_20120420	DK009SG_20120420	DK010SG_20120420
Sample ID		DK005SG-000015-20120502	DK006SG-000015-20120502	DK007SG-000015-20120502	DK008SG-000015-20120420	DK009SG-000015-20120420	DK010SG-000015-20120420
Sample Date		5/2/2012	5/2/2012	5/2/2012	4/20/2012	4/20/2012	4/20/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		13.3	11.6	12.5	12.4	4.8	9.8
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Chloromethane	SW8260B	1200 U	14 U	25 U	24 U	12 U	25 U
Cyclohexane	SW8260B	4900 U	55 U	98 U	95 U	47 U	100 U
Dibromochloromethane	SW8260B	240 U	2.8 U	4.9 U	4.7 U	2.4 U	5 U
Dichlorodifluoromethane	SW8260B	2400 U	28 U	49 U	47 U	24 U	50 U
Dichloromethane (methylene chloride)	SW8260B	2400 U	28 U	49 U	40 J	26 U	49 J
Ethylbenzene	SW8260B	240 U	2.8 U	4.9 U	12	14	17
Ethylene dibromide (1,2-Dibromoethane)	SW8260B	980 U	11 U	20 U	19 U	9.4 U	20 U
Isopropylbenzene (cumene)	SW8260B	240 U	2.8 U	4.9 U	6.9	2.8	11
m,p-Xylene	SW8260B	490 U	5.5 U	9.8 U	9.5 U	5.6	4.7 J
Methyl acetate	SW8260B	4900 U	55 U	98 U	95 U	47 U	100 U
Methyl isobutyl ketone (4-methyl-2-pentanone [MIBK])	SW8260B	2400 U	28 U	49 U	47 U	24 U	50 U
Methyl tert-butyl ether (MTBE)	SW8260B	490 U	5.5 U	9.8 U	9.5 U	4.7 U	10 U
Methylcyclohexane	SW8260B	980 U	11 U	20 U	19 U	9.4 U	20 U
o-Xylene	SW8260B	490 U	5.5 U	9.8 U	9.5 U	3.8 J	10 U
Styrene	SW8260B	490 U	5.5 U	9.8 U	9.5 U	4.7 U	10 U
Tetrachloroethene (PCE)	SW8260B	240 U	2.8 U	4.9 U	36	2.4 U	5 U
Toluene	SW8260B	360 U	4.1 U	7.4 U	7.1 U	3.5 U	7.6 U
Total BTEX (U = 0)	--	490 U	5.5 U	9.8 U	12	23.4 J	24.9 J
Total BTEX (U = 1/2)	--	490 U	5.5 U	9.8 U	27.4	26.3 J	33.7 J
Total xylene (U = 0)	--	490 U	5.5 U	9.8 U	9.5 U	9.4 J	4.7 J
Total xylene (U = 1/2)	--	490 U	5.5 U	9.8 U	9.5 U	9.4 J	9.7 J
Trichloroethene (TCE)	SW8260B	240 U	2.8 U	4.9 U	3.5 J	2.4 U	5 U
Trichlorofluoromethane (fluorotrichloromethane)	SW8260B	1200 U	14 U	25 U	24 U	12 U	25 U
Vinyl acetate	SW8260B	2400 U	28 U	49 U	47 U	24 U	50 U
Vinyl chloride	SW8260B	490 U	5.5 U	9.8 U	9.5 U	4.7 U	10 U
Semivolatile Organics (µg/kg)							
1,2,4,5-Tetrachlorobenzene	SW8270C	480 U	540 U	790 U	2900 U	870 U	1700 U
1,4-Dioxane	SW8270C	980 U	1100 U	1600 U	5900 U	1800 UJ	3500 UJ
2,3,4,6-Tetrachlorophenol	SW8270C	480 U	540 U	790 U	2900 U	870 U	1700 U
2,4,5-Trichlorophenol	SW8270C	480 U	540 U	790 U	2900 U	870 U	1700 U
2,4,6-Trichlorophenol	SW8270C	480 U	540 U	790 U	2900 U	870 U	1700 U

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2018	Spring Surface Sediment 2019	Spring Surface Sediment 2020	Spring Surface Sediment 2021	Spring Surface Sediment 2022	Spring Surface Sediment 2023
Tributary		Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills
River Mile		0.22	0.24	0.32	0.38	0.41	0.43
Location ID		DK005SG_20120502	DK006SG_20120502	DK007SG_20120502	DK008SG_20120420	DK009SG_20120420	DK010SG_20120420
Sample ID		DK005SG-000015-20120502	DK006SG-000015-20120502	DK007SG-000015-20120502	DK008SG-000015-20120420	DK009SG-000015-20120420	DK010SG-000015-20120420
Sample Date		5/2/2012	5/2/2012	5/2/2012	4/20/2012	4/20/2012	4/20/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		13.3	11.6	12.5	12.4	4.8	9.8
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
2,4-Dichlorophenol	SW8270C	98 U	110 U	160 U	600 U	180 U	350 U
2,4-Dimethylphenol	SW8270C	480 U	540 U	790 U	2900 U	870 U	1700 U
2,4-Dinitrophenol	SW8270C	2500 U	2800 U	4100 U	15000 U	4500 U	8900 U
2,4-Dinitrotoluene	SW8270C	480 U	540 U	790 U	2900 U	870 U	1700 U
2,6-Dinitrotoluene	SW8270C	480 U	540 U	790 U	2900 U	870 U	1700 U
2-Chloronaphthalene	SW8270C	98 U	110 U	160 U	600 U	180 U	350 U
2-Chlorophenol	SW8270C	480 U	540 U	790 U	2900 U	870 U	1700 U
2-Methylnaphthalene	SW8270C	510	570	110 J	190 J	160 J	130 J
2-Methylphenol (o-Cresol)	SW8270C	480 U	540 U	790 U	2900 U	870 U	1700 U
2-Nitroaniline	SW8270C	2500 U	2800 U	4100 U	15000 U	4500 U	8900 U
2-Nitrophenol	SW8270C	480 U	540 U	790 U	2900 U	870 U	1700 U
3,3'-Dichlorobenzidine	SW8270C	480 U	540 U	790 U	2900 U	870 UJ	1700 UJ
3-methylphenol and 4-methylphenol (m&p-cresol)	SW8270C	170 J	110 J	110 J	2900 U	180 J	210 J
3-Nitroaniline	SW8270C	2500 U	2800 U	4100 U	15000 U	4500 U	8900 U
4-Bromophenyl-phenyl ether	SW8270C	480 U	540 U	790 U	2900 U	870 U	1700 U
4-Chloro-3-methylphenol	SW8270C	480 U	540 U	790 U	2900 U	870 U	1700 U
4-Chloroaniline	SW8270C	220 J	290 J	220 J	2900 U	99 J	280 J
4-Chlorophenyl phenyl ether	SW8270C	480 U	540 U	790 U	2900 U	870 U	1700 U
4-Nitroaniline	SW8270C	2500 U	2800 U	4100 U	15000 U	4500 U	8900 U
4-Nitrophenol	SW8270C	2500 U	2800 U	4100 U	15000 U	4500 U	8900 U
Acenaphthene	SW8270C	700	1500	230	750	710	340 J
Acenaphthylene	SW8270C	98 U	450	140 J	160 J	71 J	150 J
Acetophenone	SW8270C	480 U	540 U	100 J	2900 U	870 U	1700 U
Anthracene	SW8270C	1200	1700	400	1100	770	580
Atrazine	SW8270C	480 UJ	540 UJ	790 UJ	2900 U	870 UJ	1700 UJ
Benzaldehyde	SW8270C	480 U	540 U	790 U	2000 J	150 J	460 J
Benzo(a)anthracene	SW8270C	2500	2600	1500	3700	2400	2100
Benzo(a)pyrene	SW8270C	1900	2300	1600	3300	2100	2400
Benzo(b)fluoranthene	SW8270C	2300	2300	1900	5300	2500	2700
Benzo(g,h,i)perylene	SW8270C	1300	1700	1200	2600	1200	1700
Benzo(k)fluoranthene	SW8270C	750	1600	930	1800	1300	1700
Biphenyl (1,1'-Biphenyl)	SW8270C	110 J	140 J	790 U	2900 U	99 J	1700 U

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2018	Spring Surface Sediment 2019	Spring Surface Sediment 2020	Spring Surface Sediment 2021	Spring Surface Sediment 2022	Spring Surface Sediment 2023
Tributary		Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills
River Mile		0.22	0.24	0.32	0.38	0.41	0.43
Location ID		DK005SG_20120502	DK006SG_20120502	DK007SG_20120502	DK008SG_20120420	DK009SG_20120420	DK010SG_20120420
Sample ID		DK005SG-000015-20120502	DK006SG-000015-20120502	DK007SG-000015-20120502	DK008SG-000015-20120420	DK009SG-000015-20120420	DK010SG-000015-20120420
Sample Date		5/2/2012	5/2/2012	5/2/2012	4/20/2012	4/20/2012	4/20/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		13.3	11.6	12.5	12.4	4.8	9.8
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
bis(2-Chloroethoxy)methane	SW8270C	480 U	540 U	790 U	2900 U	870 U	1700 U
bis(2-Chloroethyl)ether	SW8270C	98 U	110 U	160 U	600 U	180 U	350 U
bis(2-Chloroisopropyl)ether	SW8270C	98 U	110 U	160 U	600 U	180 U	350 U
Bis(2-ethylhexyl)phthalate	SW8270C	24000	150000	17000	35000	11000	25000
Butylbenzyl phthalate	SW8270C	350 J	600	440 J	1000 J	630 J	1300 J
Caprolactam	SW8270C	2500 U	2800 U	4100 U	15000 U	4500 UJ	8900 UJ
Carbazole	SW8270C	180	250	200	640	490	380
Chrysene	SW8270C	2700	4000	1900	4800	2800	2900
Dibenzo(a,h)anthracene	SW8270C	290	340	300	1900	290	390
Dibenzofuran	SW8270C	250 J	540 U	120 J	510 J	380 J	220 J
Diethyl phthalate	SW8270C	480 U	540 U	790 U	2900 U	870 U	1700 U
Dimethyl phthalate	SW8270C	480 U	540 U	790 U	2900 U	870 U	1700 U
Di-n-butyl phthalate	SW8270C	220 J	330 J	300 J	1200 J	870	620 J
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)	SW8270C	2500 U	2800 U	4100 U	15000 UJ	4500 U	8900 U
Di-n-octyl phthalate	SW8270C	260 J	690	620 J	1300 J	840 J	1500 J
Fluoranthene	SW8270C	6300	8200	3900	9100	5600	5700
Fluorene	SW8270C	280	320	210	770	620	410
Hexachlorobenzene	SW8270C	98 U	110 U	160 U	600 U	180 U	350 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270C	98 U	110 U	160 U	600 U	180 U	350 U
Hexachlorocyclopentadiene	SW8270C	480 U	540 U	790 U	2900 UJ	870 U	1700 U
Hexachloroethane	SW8270C	480 U	540 U	790 U	2900 U	870 U	1700 U
Indeno(1,2,3-c,d)pyrene	SW8270C	1100	1400	1000	2800	1300	1500
Isophorone	SW8270C	480 U	540 U	790 U	2900 U	870 U	1700 U
Naphthalene	SW8270C	680	830	170	300 J	220	170 J
Nitrobenzene	SW8270C	980 U	1100 U	1600 U	5900 U	1800 U	3500 U
N-Nitrosodi-N-propylamine	SW8270C	98 U	110 U	160 U	600 U	180 U	350 U
N-Nitrosodiphenylamine	SW8270C	480 U	540 U	790 U	2900 U	870 U	1700 U
Pentachlorophenol	SW8270C	480 UJ	540 UJ	790 UJ	2900 U	870 U	1700 U
Phenanthrene	SW8270C	1700	1400	1100	5100	3900	2800
Phenol	SW8270C	98 U	110 U	160 U	600 U	180 U	350 U
Pyrene	SW8270C	6700	11000	3700	7300	5600	4800

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2018	Spring Surface Sediment 2019	Spring Surface Sediment 2020	Spring Surface Sediment 2021	Spring Surface Sediment 2022	Spring Surface Sediment 2023
Tributary		Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills
River Mile		0.22	0.24	0.32	0.38	0.41	0.43
Location ID		DK005SG_20120502	DK006SG_20120502	DK007SG_20120502	DK008SG_20120420	DK009SG_20120420	DK010SG_20120420
Sample ID		DK005SG-000015-20120502	DK006SG-000015-20120502	DK007SG-000015-20120502	DK008SG-000015-20120420	DK009SG-000015-20120420	DK010SG-000015-20120420
Sample Date		5/2/2012	5/2/2012	5/2/2012	4/20/2012	4/20/2012	4/20/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		13.3	11.6	12.5	12.4	4.8	9.8
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total cresol (o,m,p) (U = 0)	--	170 J	110 J	110 J	2900 U	180 J	210 J
Total cresol (o,m,p) (U = 1/2)	--	410 J	380 J	505 J	2900 U	615 J	1060 J
Polycyclic Aromatic Hydrocarbons (µg/kg)							
1,6,7-Trimethylnaphthalene	SW8270CMSIM	869	2660	378	184	91	297
1-Methyldibenzothiophene	SW8270CMSIM	370	583	57.5 J	58.6 J	30.4 J	63.9 J
1-Methylnaphthalene	SW8270CMSIM	256	351	95.8	288	271	290
1-Methylphenanthrene	SW8270CMSIM	703	3090	450	790	554	861
2,6-Dimethylnaphthalene	SW8270CMSIM	738	2490	310	557	255	954
2-Methylanthracene	SW8270CMSIM	1020	1130	196	255	304	238
2-Methyldibenzothiophene and 3-methyldibenzothiophene	SW8270CMSIM	555	1680	98.7	58.6 J	45.3 J	96.2 J
2-Methylnaphthalene	SW8270CMSIM	920	920	196	323	262	269
2-Methylphenanthrene	SW8270CMSIM	589	794	290	786	677	802
4-Methyldibenzothiophene	SW8270CMSIM	1280	2280	207	174	78.8	216
4-Methylphenanthrene and 9-methylphenanthrene	SW8270CMSIM	2420	3950	575	638	428	739
Acenaphthene	SW8270CMSIM	1240	2590	463	1210	1060	772
Acenaphthylene	SW8270CMSIM	351	402	153	201	135	214
Anthracene	SW8270CMSIM	2900	3550	932	1870	1360	1390
Benzo(a)anthracene	SW8270CMSIM	4910	5590	3010	5160	3870	4860
Benzo(a)pyrene	SW8270CMSIM	3700	4170	3030	4860	3120	4920
Benzo(b)fluoranthene	SW8270CMSIM	4190	5000	4210	5880	3050	6010
Benzo(e)pyrene	SW8270CMSIM	3060	3900	2750	4020	2290	4230
Benzo(g,h,i)perylene	SW8270CMSIM	2200	2600	2320	3620	2140	3850
Benzo(j,k)fluoranthene	SW8270CMSIM	3010	3690	2600	4610	2840	4890
Benzonaphthothiophene	SW8270CMSIM	2130	2500	1370	1720	1060	1810
Benzothiophene	SW8270CMSIM	60.5	77.4 J	79.2 U	112 U	55.4 U	118 U
Carbazole	SW8270CMSIM	371	365	320	952	459	798
Chrysene	SW8270CMSIM	4740	6060	3650	6680	5120	6870
Decalin, cis and trans-	SW8270CMSIM	174	429	257	843	219	1240
Dibenzo(a,h)anthracene and dibenzo(a,c)anthracene	SW8270CMSIM	736	856	720	962	535	935
Dibenzothiophene	SW8270CMSIM	481	709	287	540	388	459

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2018	Spring Surface Sediment 2019	Spring Surface Sediment 2020	Spring Surface Sediment 2021	Spring Surface Sediment 2022	Spring Surface Sediment 2023
Tributary		Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills
River Mile		0.22	0.24	0.32	0.38	0.41	0.43
Location ID		DK005SG_20120502	DK006SG_20120502	DK007SG_20120502	DK008SG_20120420	DK009SG_20120420	DK010SG_20120420
Sample ID		DK005SG-000015-20120502	DK006SG-000015-20120502	DK007SG-000015-20120502	DK008SG-000015-20120420	DK009SG-000015-20120420	DK010SG-000015-20120420
Sample Date		5/2/2012	5/2/2012	5/2/2012	4/20/2012	4/20/2012	4/20/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		13.3	11.6	12.5	12.4	4.8	9.8
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Fluoranthene	SW8270CMSIM	16500	19900	11000	15400	10400	14600
Fluorene	SW8270CMSIM	498	575	400	1210	1010	856
Indeno(1,2,3-c,d)pyrene	SW8270CMSIM	2130	2490	2310	3930	2330	4080
Naphthalene	SW8270CMSIM	1170	1330	277	472	317	344
Perylene	SW8270CMSIM	969	1040	817	1300	798	1260
Phenanthrene	SW8270CMSIM	2580	2420	2440	8460	7490	6430
Pyrene	SW8270CMSIM	15700	20400	9410	12300	8800	11900
Retene	SW8270CMSIM	7670	6970	873	511	487	565
Total benzofluoranthenes (U = 0)	--	7200	8690	6810	10490	5890	10900
Total benzofluoranthenes (U = 1/2)	--	7200	8690	6810	10490	5890	10900
Total cPAH TEQ (USEPA 1993) (U = 0)	--	5593.84	6376.96	4732.65	7371.78	4613.52	7405.77
Total cPAH TEQ (USEPA 1993) (U = 1/2)	--	5593.84	6376.96	4732.65	7371.78	4613.52	7405.77
Total HPAH (9 of 16) (U = 0)	--	57816	70756	42260	63402	42205	62915
Total HPAH (9 of 16) (U = 1/2)	--	57816	70756	42260	63402	42205	62915
Total LPAH (7 of 16) (U = 0)	--	9659	11787	4861	13746	11634	10275
Total LPAH (7 of 16) (U = 1/2)	--	9659	11787	4861	13746	11634	10275
Total PAH (16) (U = 0)	--	67475	82543	47121	77148	53839	73190
Total PAH (16) (U = 1/2)	--	67475	82543	47121	77148	53839	73190
Alkylated Polycyclic Aromatic Hydrocarbons (µg/kg)							
C1-Benzo(a)anthracenes/chrysenes	SW8270CMSIM	3920	5150	1940	2630	1480	2740
C1-Benzo(b)thiophenes	SW8270CMSIM	259	281	67.9 J	173	96.3	173
C1-Decalins	SW8270CMSIM	1890	3120	871	1540	418	2200
C1-Dibenzothiophenes	SW8270CMSIM	2360	4870	415	352	198	454
C1-Fluoranthenes/Pyrenes	SW8270CMSIM	11600	14700	4940	5040	3650	5180
C1-Fluorenes	SW8270CMSIM	1430	3030	425	523	316	631
C1-Naphthalenes	SW8270CMSIM	700	750	174	398	333	367
C1-Phenanthrenes/Anthracenes	SW8270CMSIM	7490	13500	2100	3180	2400	3460
C2-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	3810	5840	1600	2050	939	2310
C2-Benzo(b)thiophenes	SW8270CMSIM	209	565	56.1 J	70.6 J	46.6 J	89.2 J
C2-Decalins	SW8270CMSIM	4690	5600	1460	1450	449	2090
C2-Dibenzothiophenes	SW8270CMSIM	6900	9580	1100	813	326	1000
C2-Fluorenes	SW8270CMSIM	7900	11000	1540	1170	449	1590
C2-Naphthalenes	SW8270CMSIM	1390	5920	529	1030	539	1720

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2018	Spring Surface Sediment 2019	Spring Surface Sediment 2020	Spring Surface Sediment 2021	Spring Surface Sediment 2022	Spring Surface Sediment 2023
Tributary		Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills
River Mile		0.22	0.24	0.32	0.38	0.41	0.43
Location ID		DK005SG_20120502	DK006SG_20120502	DK007SG_20120502	DK008SG_20120420	DK009SG_20120420	DK010SG_20120420
Sample ID		DK005SG-000015-20120502	DK006SG-000015-20120502	DK007SG-000015-20120502	DK008SG-000015-20120420	DK009SG-000015-20120420	DK010SG-000015-20120420
Sample Date		5/2/2012	5/2/2012	5/2/2012	4/20/2012	4/20/2012	4/20/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		13.3	11.6	12.5	12.4	4.8	9.8
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
C2-Phenanthrenes/Anthracenes	SW8270CMSIM	17200	23400	3350	3140	1550	4060
C3-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	3200	5260	1750	2370	1020	2700
C3-Benzo(b)thiophenes	SW8270CMSIM	774	1560	136	136	53 J	178
C3-Decalins	SW8270CMSIM	3730	4380	1010	744	238	1040
C3-Dibenzothiophenes	SW8270CMSIM	6210	8550	1370	1020	391	1230
C3-Fluorenes	SW8270CMSIM	9700	12000	2360	2110	916	2480
C3-Naphthalenes	SW8270CMSIM	5820	18000	1440	1540	616	2560
C3-Phenanthrenes/Anthracenes	SW8270CMSIM	12700	15700	2870	2070	872	2530
C4-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	1640	2710	1180	1700	727	1900
C4-Benzo(b)thiophenes	SW8270CMSIM	1150	1880	160	112 U	55.4 U	187
C4-Decalins	SW8270CMSIM	5850	7690	1670	1100	350	1390
C4-Dibenzothiophenes	SW8270CMSIM	2960	4510	897	770	290	966
C4-Naphthalenes	SW8270CMSIM	10300	16300	1720	1390	476	2140
C4-Phenanthrenes/Anthracenes	SW8270CMSIM	6120	7710	1360	1090	534	1360
n-Alkanes and Isoprenoids (µg/kg)							
2,6,10-Trimethyldodecane	SW8015M	3720	8850	2000 J	1940 J	3690 U	2710 J
2,6,10-Trimethyltridecane	SW8015M	9740 J	16300 J	4420 J	4460 J	1580 J	5780 J
n-Decane (C10)	SW8015M	2930 U	6000 U	5280 U	7480 U	3690 U	7890 U
n-Docosane (C22)	SW8015M	3200	3680 J	1250 J	2790 J	2060 J	3180 J
n-Dodecane (C12)	SW8015M	1320 J	6000 U	5280 U	2000 J	1050 J	2560 J
n-Dotriacontane (C32)	SW8015M	10800	15900	8410	13000	9000	16000
n-Eicosane (C20)	SW8015M	2680 J	2400 J	1290 J	3980 J	2550 J	3340 J
n-Heneicosane (C21)	SW8015M	2080 J	6000 U	1570 J	3820 J	2820 J	2960 J
n-Hentriacontane (C31)	SW8015M	3260	4230 J	5440	13900	23300	14100
n-Heptacosane (C27)	SW8015M	2230 J	3480 J	8650	12400	14500	12200
n-Heptadecane (C17)	SW8015M	2380 J	2140 J	5280 U	4900 J	2740 J	3250 J
n-Heptatriacontane (C37)	SW8015M	1460 J	1390 J	2340 J	3880 J	2370 J	5160 J
n-Hexacosane (C26)	SW8015M	3020	3360 J	4640 J	6340 J	7250	6760 J
n-Hexadecane (C16)	SW8015M	1740 J	2620 J	1510 J	4940 J	2900 J	3340 J
n-Hexatriacontane (C36)	SW8015M	2420 J	2820 J	3840 J	4900 J	3050 J	5690 J
n-Nonacosane (C29)	SW8015M	8430	13700	16400	26900	58400	37500
n-Nonadecane (C19)	SW8015M	1810 J	1750 J	5280 U	3530 J	2420 J	2820 J
n-Nonane (C9)	SW8015M	2930 U	6000 U	5280 U	7480 U	3690 U	7890 U

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2018	Spring Surface Sediment 2019	Spring Surface Sediment 2020	Spring Surface Sediment 2021	Spring Surface Sediment 2022	Spring Surface Sediment 2023
Tributary		Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills
River Mile		0.22	0.24	0.32	0.38	0.41	0.43
Location ID		DK005SG_20120502	DK006SG_20120502	DK007SG_20120502	DK008SG_20120420	DK009SG_20120420	DK010SG_20120420
Sample ID		DK005SG-000015-20120502	DK006SG-000015-20120502	DK007SG-000015-20120502	DK008SG-000015-20120420	DK009SG-000015-20120420	DK010SG-000015-20120420
Sample Date		5/2/2012	5/2/2012	5/2/2012	4/20/2012	4/20/2012	4/20/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		13.3	11.6	12.5	12.4	4.8	9.8
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
n-Nonatriacontane (C39)	SW8015M	1420 J	6000 U	1870 J	2860 J	1530 J	3400 J
n-Octacosane (C28)	SW8015M	2350 J	2220 J	4650 J	6410 J	9320	6490 J
n-Octadecane (C18)	SW8015M	4280 J	3130 J	3340 J	14000 J	10400 J	9210 J
n-Octatriacontane (C38)	SW8015M	1170 J	6000 U	2020 J	3650 J	2000 J	4760 J
Norpristane	SW8015M	6950	12000	4470 J	6210 J	1960 J	7040 J
n-Pentacosane (C25)	SW8015M	15200 J	46700 J	11500 J	7920 J	7520 J	8440 J
n-Pentadecane (C15)	SW8015M	4460	6780	2300 J	5580 J	3760 J	4620 J
n-Pentatriacontane (C35)	SW8015M	2350 J	2500 J	3320 J	10000	4800	10900
n-Tetracontane (C40)	SW8015M	1280 J	6000 U	1970 J	3270 J	1540 J	3800 J
n-Tetracosane (C24)	SW8015M	819 J	1170 J	1420 J	4000 J	4060	4020 J
n-Tetradecane (C14)	SW8015M	3310	3510 J	5280 U	2120 J	1370 J	1750 J
n-Tetratriacontane (C34)	SW8015M	4370	5460 J	4850 J	10400	7020	9210
n-Triacontane (C30)	SW8015M	2610 J	3530 J	3900 J	7360 J	9420	7680 J
n-Tricosane (C23)	SW8015M	2930 U	6000 U	844 J	2980 J	3000 J	2740 J
n-Tridecane (C13)	SW8015M	1780 J	2100 J	5280 U	7480 U	1120 J	7890 U
n-Tritriacontane (C33)	SW8015M	8230	11300	7020	14700	10200	12800
n-Undecane (C11)	SW8015M	2970	3170 J	5280 U	2510 J	3690 U	3310 J
Pesticides (µg/kg)							
2,4'-DDD (o,p'-DDD)	SW8081A	16 J	49	5.9 J	4.5 J	11	20
2,4'-DDE (o,p'-DDE)	SW8081A	11 J	10	5.9	3.9	4	5.7 J
2,4'-DDT (o,p'-DDT)	SW8081A	0.25 UJ	0.27 UJ	0.4 UJ	0.37 U	1.4 J	1.1 J
4,4'-DDD (p,p'-DDD)	SW8081A	55	230	23	15 J	18	40
4,4'-DDE (p,p'-DDE)	SW8081A	24 J	22 J	9.8 J	6.5 J	6.5 J	14 J
4,4'-DDT (p,p'-DDT)	SW8081A	9.3 J	2.7 J	8.4 J	7.7 J	14	9.5 J
Aldrin	SW8081A	1.2 U	1.4 U	0.26 J	1.5 J	0.22 U	0.43 U
alpha-Hexachlorocyclohexane (BHC)	SW8081A	0.25 U	0.18 J	0.4 U	0.37 U	0.34	0.099 J
Chlordane, alpha- (cis-Chlordane)	SW8081A	0.25 U	0.27 U	9.9	5.9 J	7.6	16
Chlordane, beta- (trans-Chlordane)	SW8081A	0.25 U	0.27 U	0.4 U	0.37 U	0.22 U	0.43 U
delta-Hexachlorocyclohexane (BHC)	SW8081A	0.36 J	0.42 J	0.25 J	0.12 J	1.4	0.43 U
Dieldrin	SW8081A	0.25 U	0.27 U	4.6	0.37 U	0.22 U	0.43 U
Endosulfan sulfate	SW8081A	0.82 J	0.27 UJ	0.4 UJ	0.37 U	0.59 J	1.8
Endosulfan-alpha (I)	SW8081A	0.25 U	0.27 U	0.4 U	0.37 U	0.22 U	0.43 U
Endosulfan-beta (II)	SW8081A	0.25 U	0.27 U	0.4 U	0.37 U	0.22 U	0.43 U

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2018	Spring Surface Sediment 2019	Spring Surface Sediment 2020	Spring Surface Sediment 2021	Spring Surface Sediment 2022	Spring Surface Sediment 2023
Task		Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills
Tributary		0.22	0.24	0.32	0.38	0.41	0.43
River Mile							
Location ID		DK005SG_20120502	DK006SG_20120502	DK007SG_20120502	DK008SG_20120420	DK009SG_20120420	DK010SG_20120420
Sample ID		DK005SG-000015-20120502	DK006SG-000015-20120502	DK007SG-000015-20120502	DK008SG-000015-20120420	DK009SG-000015-20120420	DK010SG-000015-20120420
Sample Date		5/2/2012	5/2/2012	5/2/2012	4/20/2012	4/20/2012	4/20/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		13.3	11.6	12.5	12.4	4.8	9.8
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Endrin	SW8081A	1.3 J	0.85 J	0.59 J	0.37 U	0.67 J	1.2 J
Endrin aldehyde	SW8081A	0.25 UJ	0.92 J	0.95 J	0.12 J	0.75 J	0.43 UJ
Endrin ketone	SW8081A	1.9 J	1.2 J	1.7 J	0.4 J	1.4 J	0.43 UJ
Heptachlor	SW8081A	1.2 U	1.4 U	0.4 U	0.37 U	0.22 U	0.43 U
Heptachlor epoxide	SW8081A	0.62 J	1.1 J	0.83 J	1.3 J	1.4 J	4.1 J
Hexachlorobenzene	SW8081A	3.6	1.5 J	0.2 J	0.39	0.24	1.1 J
Hexachlorocyclohexane, beta- (BHC)	SW8081A	0.46 J	0.26 J	0.4 U	0.37 U	0.33 J	0.43 U
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	SW8081A	0.25 U	0.27 U	0.4 U	0.098 J	0.22 U	0.43 U
Methoxychlor	SW8081A	0.49 UJ	0.55 UJ	3.4 J	0.52 J	2.5 J	3.1 J
Mirex	SW8081A	1.2 U	1.4 U	0.4 U	0.37 U	0.2 J	0.43 U
Nonachlor, cis-	SW8081A	1.9 J	0.27 UJ	1.3 J	0.37 U	1.5 J	3.5
Nonachlor, trans-	SW8081A	5.2 J	4.5 J	1.9 J	0.37 U	0.22 U	0.43 U
Oxychlordane	SW8081A	0.85 UJ	2.9 J	1.2 J	0.37 U	0.92 J	0.75 J
Sum DDD (U = 0)	--	71 J	279	28.9 J	19.5 J	29	60
Sum DDD (U = 1/2)	--	71 J	279	28.9 J	19.5 J	29	60
Sum DDE (U = 0)	--	35 J	32 J	15.7 J	10.4 J	10.5 J	19.7 J
Sum DDE (U = 1/2)	--	35 J	32 J	15.7 J	10.4 J	10.5 J	19.7 J
Sum DDT (U = 0)	--	9.3 J	2.7 J	8.4 J	7.7 J	15.4 J	10.6 J
Sum DDT (U = 1/2)	--	9.43 J	2.84 J	8.6 J	7.88 J	15.4 J	10.6 J
Total chlordane (U = 0)	--	7.1 J	7.4 J	14.3 J	5.9 J	10.02 J	20.25 J
Total chlordane (U = 1/2)	--	7.78 J	7.8 J	14.5 J	6.64 J	10.24 J	20.68 J
Total DDx (U = 0)	--	115.3 J	313.7 J	53 J	37.6 J	54.9 J	90.3 J
Total DDx (U = 1/2)	--	115.42 J	313.83 J	53.2 J	37.79 J	54.9 J	90.3 J
Toxaphene	SW8081A	9.8 U	11 U	16 U	15 U	8.8 U	17 U
Pesticides - High Resolution (µg/kg)							
2,4'-DDD (o,p'-DDD)	E1699	55	--	--	--	--	--
2,4'-DDE (o,p'-DDE)	E1699	5.1	--	--	--	--	--
2,4'-DDT (o,p'-DDT)	E1699	0.49 U	--	--	--	--	--
4,4'-DDD (p,p'-DDD)	E1699	140	--	--	--	--	--
4,4'-DDE (p,p'-DDE)	E1699	59	--	--	--	--	--
4,4'-DDT (p,p'-DDT)	E1699	2.8 J	--	--	--	--	--
Aldrin	E1699	0.21 U	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2018	Spring Surface Sediment 2019	Spring Surface Sediment 2020	Spring Surface Sediment 2021	Spring Surface Sediment 2022	Spring Surface Sediment 2023
		Tributary	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills
		River Mile	0.22	0.24	0.32	0.38	0.41	0.43
		Location ID	DK005SG_20120502	DK006SG_20120502	DK007SG_20120502	DK008SG_20120420	DK009SG_20120420	DK010SG_20120420
		Sample ID	DK005SG-000015-20120502	DK006SG-000015-20120502	DK007SG-000015-20120502	DK008SG-000015-20120420	DK009SG-000015-20120420	DK010SG-000015-20120420
		Sample Date	5/2/2012	5/2/2012	5/2/2012	4/20/2012	4/20/2012	4/20/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	13.3	11.6	12.5	12.4	4.8	9.8
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
alpha-Hexachlorocyclohexane (BHC)	E1699		0.29 U	--	--	--	--	--
Chlordane, alpha- (cis-Chlordane)	E1699		31	--	--	--	--	--
Chlordane, beta- (trans-Chlordane)	E1699		43	--	--	--	--	--
delta-Hexachlorocyclohexane (BHC)	E1699		0.62 U	--	--	--	--	--
Dieldrin	E1699		18	--	--	--	--	--
Endosulfan sulfate	E1699		0.19 U	--	--	--	--	--
Endosulfan-alpha (I)	E1699		1.1 U	--	--	--	--	--
Endosulfan-beta (II)	E1699		1.3 U	--	--	--	--	--
Endrin	E1699		0.59 U	--	--	--	--	--
Endrin aldehyde	E1699		0.47 U	--	--	--	--	--
Endrin ketone	E1699		0.53 U	--	--	--	--	--
Heptachlor	E1699		0.1 U	--	--	--	--	--
Heptachlor epoxide	E1699		0.21 U	--	--	--	--	--
Hexachlorobenzene	E1699		8.1	--	--	--	--	--
Hexachlorocyclohexane, beta- (BHC)	E1699		0.36 U	--	--	--	--	--
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	E1699		0.42 U	--	--	--	--	--
Methoxychlor	E1699		0.38 U	--	--	--	--	--
Mirex	E1699		1.9 J	--	--	--	--	--
Nonachlor, cis-	E1699		7	--	--	--	--	--
Nonachlor, trans-	E1699		14	--	--	--	--	--
Oxychlordane	E1699		0.2 U	--	--	--	--	--
Sum DDD high resolution (U = 0)	--		195	--	--	--	--	--
Sum DDD high resolution (U = 1/2)	--		195	--	--	--	--	--
Sum DDE high resolution (U = 0)	--		64.1	--	--	--	--	--
Sum DDE high resolution (U = 1/2)	--		64.1	--	--	--	--	--
Sum DDT high resolution (U = 0)	--		2.8 J	--	--	--	--	--
Sum DDT high resolution (U = 1/2)	--		3.04 J	--	--	--	--	--
Total chlordane high resolution (U = 0)	--		95	--	--	--	--	--
Total chlordane high resolution (U = 1/2)	--		95.1	--	--	--	--	--
Total DDx high resolution (U = 0)	--		261.9 J	--	--	--	--	--
Total DDx high resolution (U = 1/2)	--		262.15 J	--	--	--	--	--
Toxaphene	E1699		11 U	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2018	Spring Surface Sediment 2019	Spring Surface Sediment 2020	Spring Surface Sediment 2021	Spring Surface Sediment 2022	Spring Surface Sediment 2023
Tributary		Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills
River Mile		0.22	0.24	0.32	0.38	0.41	0.43
Location ID		DK005SG_20120502	DK006SG_20120502	DK007SG_20120502	DK008SG_20120420	DK009SG_20120420	DK010SG_20120420
Sample ID		DK005SG-000015-20120502	DK006SG-000015-20120502	DK007SG-000015-20120502	DK008SG-000015-20120420	DK009SG-000015-20120420	DK010SG-000015-20120420
Sample Date		5/2/2012	5/2/2012	5/2/2012	4/20/2012	4/20/2012	4/20/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		13.3	11.6	12.5	12.4	4.8	9.8
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Herbicides (µg/kg)							
2,2-Dichloropropionic acid (dalapon)	SW8151A	260 U	300 U	430 U	400 U	240 UJ	470 UJ
2,4,5-T (2,4,5-trichlorophenoxyacetic acid)	SW8151A	59 U	66 U	96 U	90 U	53 U	100 U
2,4,5-TP (Silvex)	SW8151A	59 U	66 U	96 U	90 U	53 U	100 U
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	240 U	260 U	380 U	360 U	210 U	410 U
2,4-DB (2,4-D derivative)	SW8151A	240 U	260 U	380 U	360 U	210 U	410 U
Dicamba	SW8151A	120 U	130 U	190 U	180 U	110 U	210 U
Dichlorprop	SW8151A	240 U	260 U	380 U	360 U	210 U	410 U
Dinoseb	SW8151A	35 UJ	39 UJ	57 UJ	54 UJ	32 UJ	62 UJ
Mecoprop (MCP)	SW8151A	24000 U	26000 U	38000 U	36000 U	21000 U	41000 U
Mephanac (MCPA)	SW8151A	24000 U	26000 U	38000 U	36000 U	21000 U	41000 U
Dioxin Furans (ng/kg)							
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	9.05	--	--	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	18	--	--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	22	--	--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	72.9	--	--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	49.2	--	--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B	1140	--	--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B	11900 J	--	--	--	--	--
Total tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	176 J	--	--	--	--	--
Total pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	215 J	--	--	--	--	--
Total hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	640	--	--	--	--	--

**Table A4-2
Surface Sediment Analytical Results**

		Task	Spring Surface Sediment 2018	Spring Surface Sediment 2019	Spring Surface Sediment 2020	Spring Surface Sediment 2021	Spring Surface Sediment 2022	Spring Surface Sediment 2023
		Tributary	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills
		River Mile	0.22	0.24	0.32	0.38	0.41	0.43
		Location ID	DK005SG_20120502	DK006SG_20120502	DK007SG_20120502	DK008SG_20120420	DK009SG_20120420	DK010SG_20120420
		Sample ID	DK005SG-000015-20120502	DK006SG-000015-20120502	DK007SG-000015-20120502	DK008SG-000015-20120420	DK009SG-000015-20120420	DK010SG-000015-20120420
		Sample Date	5/2/2012	5/2/2012	5/2/2012	4/20/2012	4/20/2012	4/20/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	13.3	11.6	12.5	12.4	4.8	9.8
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
Total heptachlorodibenzo-p-dioxin (HpCDD)	E1613B		2420	--	--	--	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B		43.6	--	--	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B		78.5	--	--	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B		104	--	--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B		372	--	--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B		153 J	--	--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B		23.4	--	--	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B		87.4	--	--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B		1950	--	--	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B		62.8	--	--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B		2270	--	--	--	--	--
Total tetrachlorodibenzofuran (TCDF)	E1613B		1080 J	--	--	--	--	--
Total pentachlorodibenzofuran (PeCDF)	E1613B		1470 J	--	--	--	--	--
Total hexachlorodibenzofuran (HxCDF)	E1613B		2010 J	--	--	--	--	--
Total heptachlorodibenzofuran (HpCDF)	E1613B		2820	--	--	--	--	--
Total dioxin/furan TEQ 1998 (avian) (U = 0)	--		275.51 J	--	--	--	--	--
Total dioxin/furan TEQ 1998 (avian) (U = 1/2)	--		275.51 J	--	--	--	--	--
Total dioxin/furan TEQ 1998 (fish) (U = 0)	--		183.64 J	--	--	--	--	--
Total dioxin/furan TEQ 1998 (fish) (U = 1/2)	--		183.64 J	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2018	Spring Surface Sediment 2019	Spring Surface Sediment 2020	Spring Surface Sediment 2021	Spring Surface Sediment 2022	Spring Surface Sediment 2023
Tributary		Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills
River Mile		0.22	0.24	0.32	0.38	0.41	0.43
Location ID		DK005SG_20120502	DK006SG_20120502	DK007SG_20120502	DK008SG_20120420	DK009SG_20120420	DK010SG_20120420
Sample ID		DK005SG-000015-20120502	DK006SG-000015-20120502	DK007SG-000015-20120502	DK008SG-000015-20120420	DK009SG-000015-20120420	DK010SG-000015-20120420
Sample Date		5/2/2012	5/2/2012	5/2/2012	4/20/2012	4/20/2012	4/20/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		13.3	11.6	12.5	12.4	4.8	9.8
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total dioxin/furan TEQ 2005 (mammal) (U = 0)	--	178.73 J	--	--	--	--	--
Total dioxin/furan TEQ 2005 (mammal) (U = 1/2)	--	178.73 J	--	--	--	--	--
PCB Aroclors (µg/kg)							
Aroclor 1016	SW8082A	61 U	68 U	10 U	9.3 U	5.5 U	11 U
Aroclor 1221	SW8082A	61 U	68 U	10 U	9.3 U	5.5 U	11 U
Aroclor 1232	SW8082A	61 U	68 U	10 U	9.3 U	5.5 U	11 U
Aroclor 1242	SW8082A	1200	1300	230	250	210	430
Aroclor 1248	SW8082A	61 U	68 U	10 U	9.3 U	5.5 U	11 U
Aroclor 1254	SW8082A	61 U	68 U	10 U	500	390	940
Aroclor 1260	SW8082A	3400	3500	850	9.3 U	5.5 U	11 U
Aroclor 1262	SW8082A	61 U	68 U	10 U	9.3 U	5.5 U	11 U
Aroclor 1268	SW8082A	61 U	68 U	10 U	9.3 U	5.5 U	11 U
Total PCB Aroclors (U = 0)	--	4600	4800	1080	750	600	1370
Total PCB Aroclors (U = 1/2)	--	4813.5	5038	1115	782.5	619.3	1408.5
PCB Congeners (ng/kg)							
PCB-001	E1668B	25500 J	--	--	--	--	--
PCB-002	E1668B	1230	--	--	--	--	--
PCB-003	E1668B	11000	--	--	--	--	--
PCB-004	E1668B	28400 J	--	--	--	--	--
PCB-005	E1668B	2330	--	--	--	--	--
PCB-006	E1668B	18000 J	--	--	--	--	--
PCB-007	E1668B	4760	--	--	--	--	--
PCB-008	E1668B	79900 J	--	--	--	--	--
PCB-009	E1668B	6920	--	--	--	--	--
PCB-010	E1668B	1930	--	--	--	--	--
PCB-011	E1668B	4040	--	--	--	--	--
PCB-012/013	E1668B	8580	--	--	--	--	--
PCB-014	E1668B	33.1 U	--	--	--	--	--
PCB-015	E1668B	50000 J	--	--	--	--	--
PCB-016	E1668B	37300 J	--	--	--	--	--
PCB-017	E1668B	42000 J	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2018	Spring Surface Sediment 2019	Spring Surface Sediment 2020	Spring Surface Sediment 2021	Spring Surface Sediment 2022	Spring Surface Sediment 2023
		Tributary	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills
		River Mile	0.22	0.24	0.32	0.38	0.41	0.43
		Location ID	DK005SG_20120502	DK006SG_20120502	DK007SG_20120502	DK008SG_20120420	DK009SG_20120420	DK010SG_20120420
		Sample ID	DK005SG-000015-20120502	DK006SG-000015-20120502	DK007SG-000015-20120502	DK008SG-000015-20120420	DK009SG-000015-20120420	DK010SG-000015-20120420
		Sample Date	5/2/2012	5/2/2012	5/2/2012	4/20/2012	4/20/2012	4/20/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	13.3	11.6	12.5	12.4	4.8	9.8
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-018/030	E1668B		79700 J	--	--	--	--	--
PCB-019	E1668B		9280	--	--	--	--	--
PCB-020/028	E1668B		136000 J	--	--	--	--	--
PCB-021/033	E1668B		63100 J	--	--	--	--	--
PCB-022	E1668B		44700 J	--	--	--	--	--
PCB-023	E1668B		153	--	--	--	--	--
PCB-024	E1668B		15 U	--	--	--	--	--
PCB-025	E1668B		11300	--	--	--	--	--
PCB-026/029	E1668B		22200 J	--	--	--	--	--
PCB-027	E1668B		7450	--	--	--	--	--
PCB-031	E1668B		116000 J	--	--	--	--	--
PCB-032	E1668B		27300 J	--	--	--	--	--
PCB-034	E1668B		546	--	--	--	--	--
PCB-035	E1668B		2340	--	--	--	--	--
PCB-036	E1668B		40.5 U	--	--	--	--	--
PCB-037	E1668B		39200 J	--	--	--	--	--
PCB-038	E1668B		89 J	--	--	--	--	--
PCB-039	E1668B		681	--	--	--	--	--
PCB-040/071	E1668B		42900 J	--	--	--	--	--
PCB-041	E1668B		12200 J	--	--	--	--	--
PCB-042	E1668B		26800 J	--	--	--	--	--
PCB-043	E1668B		3490	--	--	--	--	--
PCB-044/047/065	E1668B		103000 J	--	--	--	--	--
PCB-045	E1668B		--	--	--	--	--	--
PCB-045/051	E1668B		24200 J	--	--	--	--	--
PCB-046	E1668B		7020	--	--	--	--	--
PCB-048	E1668B		22500 J	--	--	--	--	--
PCB-049/069	E1668B		64500 J	--	--	--	--	--
PCB-050/053	E1668B		16600 J	--	--	--	--	--
PCB-051	E1668B		--	--	--	--	--	--
PCB-052	E1668B		133000 J	--	--	--	--	--
PCB-054	E1668B		563	--	--	--	--	--
PCB-055	E1668B		44.5 U	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2018	Spring Surface Sediment 2019	Spring Surface Sediment 2020	Spring Surface Sediment 2021	Spring Surface Sediment 2022	Spring Surface Sediment 2023
		Tributary	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills
		River Mile	0.22	0.24	0.32	0.38	0.41	0.43
		Location ID	DK005SG_20120502	DK006SG_20120502	DK007SG_20120502	DK008SG_20120420	DK009SG_20120420	DK010SG_20120420
		Sample ID	DK005SG-000015-20120502	DK006SG-000015-20120502	DK007SG-000015-20120502	DK008SG-000015-20120420	DK009SG-000015-20120420	DK010SG-000015-20120420
		Sample Date	5/2/2012	5/2/2012	5/2/2012	4/20/2012	4/20/2012	4/20/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	13.3	11.6	12.5	12.4	4.8	9.8
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-056	E1668B		40700 J	--	--	--	--	--
PCB-057	E1668B		5650	--	--	--	--	--
PCB-058	E1668B		44.3 U	--	--	--	--	--
PCB-059/062/075	E1668B		8490	--	--	--	--	--
PCB-060	E1668B		21600 J	--	--	--	--	--
PCB-061/070/074/076	E1668B		156000 J	--	--	--	--	--
PCB-063	E1668B		3400	--	--	--	--	--
PCB-064	E1668B		41000 J	--	--	--	--	--
PCB-066	E1668B		86600 J	--	--	--	--	--
PCB-067	E1668B		3680	--	--	--	--	--
PCB-068	E1668B		398	--	--	--	--	--
PCB-072	E1668B		239	--	--	--	--	--
PCB-073	E1668B		24.1 U	--	--	--	--	--
PCB-077	E1668B		9910	--	--	--	--	--
PCB-078	E1668B		47.4 U	--	--	--	--	--
PCB-079	E1668B		961	--	--	--	--	--
PCB-080	E1668B		42.1 U	--	--	--	--	--
PCB-081	E1668B		407 J	--	--	--	--	--
PCB-082	E1668B		14100 J	--	--	--	--	--
PCB-083	E1668B		6440	--	--	--	--	--
PCB-084	E1668B		29200 J	--	--	--	--	--
PCB-085/116	E1668B		--	--	--	--	--	--
PCB-085/116/117	E1668B		19800 J	--	--	--	--	--
PCB-086/087/097/108/119/125	E1668B		94400 J	--	--	--	--	--
PCB-088	E1668B		--	--	--	--	--	--
PCB-088/091	E1668B		44500 J	--	--	--	--	--
PCB-089	E1668B		1410	--	--	--	--	--
PCB-090/101/113	E1668B		235000 J	--	--	--	--	--
PCB-091	E1668B		--	--	--	--	--	--
PCB-092	E1668B		28800 J	--	--	--	--	--
PCB-093/100	E1668B		17300 J	--	--	--	--	--
PCB-094	E1668B		733	--	--	--	--	--
PCB-095	E1668B		160000 J	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2018	Spring Surface Sediment 2019	Spring Surface Sediment 2020	Spring Surface Sediment 2021	Spring Surface Sediment 2022	Spring Surface Sediment 2023
		Tributary	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills
		River Mile	0.22	0.24	0.32	0.38	0.41	0.43
		Location ID	DK005SG_20120502	DK006SG_20120502	DK007SG_20120502	DK008SG_20120420	DK009SG_20120420	DK010SG_20120420
		Sample ID	DK005SG-000015-20120502	DK006SG-000015-20120502	DK007SG-000015-20120502	DK008SG-000015-20120420	DK009SG-000015-20120420	DK010SG-000015-20120420
		Sample Date	5/2/2012	5/2/2012	5/2/2012	4/20/2012	4/20/2012	4/20/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	13.3	11.6	12.5	12.4	4.8	9.8
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-096	E1668B		2260	--	--	--	--	--
PCB-098	E1668B		--	--	--	--	--	--
PCB-098/102	E1668B		4790	--	--	--	--	--
PCB-099	E1668B		127000 J	--	--	--	--	--
PCB-102	E1668B		--	--	--	--	--	--
PCB-103	E1668B		10300	--	--	--	--	--
PCB-104	E1668B		222	--	--	--	--	--
PCB-105	E1668B		46800 J	--	--	--	--	--
PCB-106	E1668B		90.8 U	--	--	--	--	--
PCB-107/124	E1668B		4340	--	--	--	--	--
PCB-109	E1668B		6810	--	--	--	--	--
PCB-110	E1668B		--	--	--	--	--	--
PCB-110/115	E1668B		155000 J	--	--	--	--	--
PCB-111	E1668B		6340	--	--	--	--	--
PCB-112	E1668B		42.4 U	--	--	--	--	--
PCB-114	E1668B		2910	--	--	--	--	--
PCB-115	E1668B		--	--	--	--	--	--
PCB-117	E1668B		--	--	--	--	--	--
PCB-118	E1668B		121000 J	--	--	--	--	--
PCB-120	E1668B		1140	--	--	--	--	--
PCB-121	E1668B		42.4 U	--	--	--	--	--
PCB-122	E1668B		1200	--	--	--	--	--
PCB-123	E1668B		2670	--	--	--	--	--
PCB-126	E1668B		1570	--	--	--	--	--
PCB-127	E1668B		321 J	--	--	--	--	--
PCB-128/166	E1668B		28200 J	--	--	--	--	--
PCB-129/138/163	E1668B		378000 J	--	--	--	--	--
PCB-130	E1668B		12700 J	--	--	--	--	--
PCB-131	E1668B		5090	--	--	--	--	--
PCB-132	E1668B		105000 J	--	--	--	--	--
PCB-133	E1668B		86.4 U	--	--	--	--	--
PCB-134	E1668B		103 U	--	--	--	--	--
PCB-135/151	E1668B		204000 J	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2018	Spring Surface Sediment 2019	Spring Surface Sediment 2020	Spring Surface Sediment 2021	Spring Surface Sediment 2022	Spring Surface Sediment 2023
		Tributary	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills
		River Mile	0.22	0.24	0.32	0.38	0.41	0.43
		Location ID	DK005SG_20120502	DK006SG_20120502	DK007SG_20120502	DK008SG_20120420	DK009SG_20120420	DK010SG_20120420
		Sample ID	DK005SG-000015-20120502	DK006SG-000015-20120502	DK007SG-000015-20120502	DK008SG-000015-20120420	DK009SG-000015-20120420	DK010SG-000015-20120420
		Sample Date	5/2/2012	5/2/2012	5/2/2012	4/20/2012	4/20/2012	4/20/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	13.3	11.6	12.5	12.4	4.8	9.8
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-136	E1668B		72700 J	--	--	--	--	--
PCB-137	E1668B		7730 J	--	--	--	--	--
PCB-139/140	E1668B		78.4 U	--	--	--	--	--
PCB-141	E1668B		93100 J	--	--	--	--	--
PCB-142	E1668B		87.8 U	--	--	--	--	--
PCB-143	E1668B		13700 J	--	--	--	--	--
PCB-144	E1668B		24200 J	--	--	--	--	--
PCB-145	E1668B		26.4 J	--	--	--	--	--
PCB-146	E1668B		67000 J	--	--	--	--	--
PCB-147/149	E1668B		486000 J	--	--	--	--	--
PCB-148	E1668B		2670	--	--	--	--	--
PCB-150	E1668B		8350	--	--	--	--	--
PCB-152	E1668B		453	--	--	--	--	--
PCB-153/168	E1668B		543000 J	--	--	--	--	--
PCB-154	E1668B		43500 J	--	--	--	--	--
PCB-155	E1668B		1280	--	--	--	--	--
PCB-156/157	E1668B		29800 J	--	--	--	--	--
PCB-158	E1668B		35300 J	--	--	--	--	--
PCB-159	E1668B		59.2 U	--	--	--	--	--
PCB-160	E1668B		66.8 U	--	--	--	--	--
PCB-161	E1668B		60.8 U	--	--	--	--	--
PCB-162	E1668B		54.5 U	--	--	--	--	--
PCB-164	E1668B		28300 J	--	--	--	--	--
PCB-165	E1668B		68.1 U	--	--	--	--	--
PCB-167	E1668B		12500 J	--	--	--	--	--
PCB-169	E1668B		1850 J	--	--	--	--	--
PCB-170	E1668B		153000 J	--	--	--	--	--
PCB-171/173	E1668B		46900 J	--	--	--	--	--
PCB-172	E1668B		27500 J	--	--	--	--	--
PCB-174	E1668B		194000 J	--	--	--	--	--
PCB-175	E1668B		7400	--	--	--	--	--
PCB-176	E1668B		22900 J	--	--	--	--	--
PCB-177	E1668B		97200 J	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2018	Spring Surface Sediment 2019	Spring Surface Sediment 2020	Spring Surface Sediment 2021	Spring Surface Sediment 2022	Spring Surface Sediment 2023
		Tributary	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills
		River Mile	0.22	0.24	0.32	0.38	0.41	0.43
		Location ID	DK005SG_20120502	DK006SG_20120502	DK007SG_20120502	DK008SG_20120420	DK009SG_20120420	DK010SG_20120420
		Sample ID	DK005SG-000015-20120502	DK006SG-000015-20120502	DK007SG-000015-20120502	DK008SG-000015-20120420	DK009SG-000015-20120420	DK010SG-000015-20120420
		Sample Date	5/2/2012	5/2/2012	5/2/2012	4/20/2012	4/20/2012	4/20/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	13.3	11.6	12.5	12.4	4.8	9.8
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-178	E1668B		43700 J	--	--	--	--	--
PCB-179	E1668B		97500 J	--	--	--	--	--
PCB-180/193	E1668B		396000 J	--	--	--	--	--
PCB-181	E1668B		843	--	--	--	--	--
PCB-182	E1668B		39.2 U	--	--	--	--	--
PCB-183	E1668B		--	--	--	--	--	--
PCB-183/185	E1668B		112000 J	--	--	--	--	--
PCB-184	E1668B		83.5 J	--	--	--	--	--
PCB-185	E1668B		--	--	--	--	--	--
PCB-186	E1668B		31.2 U	--	--	--	--	--
PCB-187	E1668B		351000 J	--	--	--	--	--
PCB-188	E1668B		3980	--	--	--	--	--
PCB-189	E1668B		5720	--	--	--	--	--
PCB-190	E1668B		36300 J	--	--	--	--	--
PCB-191	E1668B		6780	--	--	--	--	--
PCB-192	E1668B		63.1 U	--	--	--	--	--
PCB-194	E1668B		107000 J	--	--	--	--	--
PCB-195	E1668B		42300 J	--	--	--	--	--
PCB-196	E1668B		52600 J	--	--	--	--	--
PCB-197	E1668B		--	--	--	--	--	--
PCB-197/200	E1668B		16400 J	--	--	--	--	--
PCB-198/199	E1668B		117000 J	--	--	--	--	--
PCB-200	E1668B		--	--	--	--	--	--
PCB-201	E1668B		12600 J	--	--	--	--	--
PCB-202	E1668B		23600 J	--	--	--	--	--
PCB-203	E1668B		71700 J	--	--	--	--	--
PCB-204	E1668B		30.4	--	--	--	--	--
PCB-205	E1668B		5580	--	--	--	--	--
PCB-206	E1668B		40400 J	--	--	--	--	--
PCB-207	E1668B		4100	--	--	--	--	--
PCB-208	E1668B		12200 J	--	--	--	--	--
PCB-209	E1668B		20400 J	--	--	--	--	--
Total PCB congener (U = 0)	--		7197259.3 J	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2018	Spring Surface Sediment 2019	Spring Surface Sediment 2020	Spring Surface Sediment 2021	Spring Surface Sediment 2022	Spring Surface Sediment 2023
Tributary		Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills	Dutch Kills
River Mile		0.22	0.24	0.32	0.38	0.41	0.43
Location ID		DK005SG_20120502	DK006SG_20120502	DK007SG_20120502	DK008SG_20120420	DK009SG_20120420	DK010SG_20120420
Sample ID		DK005SG-000015-20120502	DK006SG-000015-20120502	DK007SG-000015-20120502	DK008SG-000015-20120420	DK009SG-000015-20120420	DK010SG-000015-20120420
Sample Date		5/2/2012	5/2/2012	5/2/2012	4/20/2012	4/20/2012	4/20/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		13.3	11.6	12.5	12.4	4.8	9.8
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total PCB congener (U = 1/2)	--	7197891.9 J	--	--	--	--	--
Total PCB congener TEQ 1998 (avian) (U = 0)	--	704.4199 J	--	--	--	--	--
Total PCB congener TEQ 1998 (avian) (U = 1/2)	--	704.4199 J	--	--	--	--	--
Total PCB congener TEQ 1998 (fish) (U = 0)	--	10.244 J	--	--	--	--	--
Total PCB congener TEQ 1998 (fish) (U = 1/2)	--	10.244 J	--	--	--	--	--
Total PCB congener TEQ 2005 (mammal) (U = 0)	--	220.2551 J	--	--	--	--	--
Total PCB congener TEQ 2005 (mammal) (U = 1/2)	--	220.2551 J	--	--	--	--	--
Total Petroleum Hydrocarbons (mg/kg)							
Diesel range organics (C10 - C28)	SW8015M	8290	11500	4650	5550	2120	6760
Phytane	SW8015M	8.52	11.6	7.08	11.6	4.49	11.9
Pristane	SW8015M	11.5	16.8	8.98	11.1	3.15 J	13
Total petroleum hydrocarbons (C9-C40)	SW8015M	12900	18000	8960	12400	5100	15400
Radionuclides (pci/g)							
Beryllium 7	HASL300	--	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task	Spring Surface Sediment 2024	Spring Surface Sediment 2025	Spring Surface Sediment 2026	Spring Surface Sediment 2027	Spring Surface Sediment 2028	Spring Surface Sediment 2029	
Tributary	Dutch Kills	East Branch	East Branch	East Branch	East Branch	East Branch	
River Mile	0.55	0.01	0.01	0.1	0.1	0.1	
Location ID	DK011SG_20120502	NC080SG_20120504	NC080SG_20120504	EB001SG_20120417	EB001SG_20120417	EB002SG_20120417	
Sample ID	DK011SG-000015-20120502	NC080SG-000003-20120504	NC080SG-000015-20120504	EB001SG-000015-20120417	EB1001SG-000015-20120417	EB002SG-000015-20120417	
Sample Date	5/2/2012	5/4/2012	5/4/2012	4/17/2012	4/17/2012	4/17/2012	
Sample Depth	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	
Water Column Depth	13.2	8.8	8.8	6.7	6.7	13.9	
Sample Type	N	N	N	N	FD	N	
Matrix	SE	SE	SE	SE	SE	SE	
Conventional Parameters (lb/ft³)							
Density	D7263	11.6	--	18.6	23	--	13.7
Conventional Parameters (mg/kg)							
Ammonia as nitrogen	SM4500NH3H	230	--	110	130	200	150
Cyanide, total	SW9012A	4.9 J	--	3.6 U	5.3 U	5 UJ	6.2 U
Nitrate + nitrite as nitrogen	SM4500NO3F	14	--	9.4 U	26 U	27 U	31 U
Nitrogen ((No Suggestions))	SM4500NORGC	4000 J	--	4800	7700 J	7000 J	8400 J
Phosphorus	SM4500PE	1300	--	2000	2200 J	1300 J	2600 J
Sulfide	SW9030B	17000	--	23000	7000	7800	17000
Conventional Parameters (pct)							
Moisture (water) content	D2216	497.5	--	--	--	--	--
Moisture, percent	D2216	91.2	--	--	--	--	--
Soot carbon	SOOTC	1.48	--	0.575 J	0.568 J	0.389 J	0.31 J
Total organic carbon	SW9060	7.385	--	7.285	8.14 J	7.46 J	4.295 J
Total solids	SM2540G	18.4	--	25.7	18.5	18.3	15.8
Conventional Parameters (SU)							
pH	SW9045C	8.2	--	7.8	7.8	7.8	8
Conventional Parameters (unitless)							
Liquid limit	D4318	121	--	--	--	--	--
Plastic limit	D4318	53	--	--	--	--	--
Plasticity index	D4318	68	--	--	--	--	--
Specific gravity	D854	2.4	--	--	--	--	--
Grain Size (pct)							
Cobbles	D422	0	--	0	0	--	0
Gravel	D422	0.1	--	1.1	0	--	0.3
Sand	D422	15	--	21.6	14.1	--	11.3
Fines (silt + clay)	D422	84.9	--	77.3	85.9	--	88.4
Percent passing 0.375 inch (3/8 inch sieve)	D422	100	--	100	--	--	100
Percent passing 0.5 inch (1/2 inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4 inch sieve)	D422	--	--	--	--	--	--
Percent passing 1 inch (1 inch sieve)	D422	--	--	--	--	--	--
Percent passing 75 micron sieve (#200)	D422	85	--	77	86	--	88
Percent passing 150 micron sieve (#100)	D422	92	--	82	92	--	94

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2024	Spring Surface Sediment 2025	Spring Surface Sediment 2026	Spring Surface Sediment 2027	Spring Surface Sediment 2028	Spring Surface Sediment 2029
Tributary		Dutch Kills	East Branch	East Branch	East Branch	East Branch	East Branch
River Mile		0.55	0.01	0.01	0.1	0.1	0.1
Location ID		DK011SG_20120502	NC080SG_20120504	NC080SG_20120504	EB001SG_20120417	EB001SG_20120417	EB002SG_20120417
Sample ID		DK011SG-000015-20120502	NC080SG-000003-20120504	NC080SG-000015-20120504	EB001SG-000015-20120417	EB1001SG-000015-20120417	EB002SG-000015-20120417
Sample Date		5/2/2012	5/4/2012	5/4/2012	4/17/2012	4/17/2012	4/17/2012
Sample Depth		0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		13.2	8.8	8.8	6.7	6.7	13.9
Sample Type		N	N	N	N	FD	N
Matrix		SE	SE	SE	SE	SE	SE
Percent passing 250 micron sieve (#60)	D422	97	--	87	95	--	96
Percent passing 425 micron sieve (#40)	D422	98	--	91	96	--	97
Percent passing 850 micron sieve (#20)	D422	99	--	96	98	--	99
Percent passing 2000 micron sieve (#10)	D422	100	--	98	99	--	99
Percent passing 4750 micron sieve (#4)	D422	100	--	99	100	--	100
Metals (mg/kg)							
Aluminum	SW6020A	7880	--	11100	11700	12900	12400
Antimony	SW6020A	2.8 J	--	4.47 J	2.7 J	3.22 J	2.74 J
Arsenic	SW6020A	14.9	--	32.8	16.8	17.5	18
Barium	SW6020A	142	--	237	182	182	173
Beryllium	SW6020A	0.734	--	0.749	0.597	0.659	0.6
Cadmium	SW6020A	8.51	--	50.5	7.32	7.85	8.74
Calcium	SW6020A	19200	--	13800	18900 J	23500 J	20500 J
Chromium	SW6020A	101	--	371	96.1 J	103 J	115 J
Cobalt	SW6020A	12.6	--	12	9.63 J	11 J	11.3 J
Copper	SW6020A	411	--	1200	527	548	595
Iron	SW6020A	48900	--	30000	31500	34600	37200
Lead	SW6020A	404	--	787	488 J	547 J	446 J
Magnesium	SW6020A	14000	--	12400	14700	17300	16100
Manganese	SW6020A	539	--	175	157	178	199
Mercury	E1631M	0.846	--	3.27	2.14	2.49	1.94
Nickel	SW6020A	56.1	--	290	68.3	71.7	84.9
Potassium	SW6020A	2970	--	3180	3230 J	3730 J	3850 J
Selenium	SW6020A	3.29	--	4.5	4.26	4.37	4
Silver	SW6020A	39.9	--	7.73	4.66 J	5.24 J	5 J
Sodium	SW6020A	32600	--	23200 J	32300	35200	39000
Thallium	SW6020A	0.29 J	--	0.367	0.248 J	0.266 J	0.297 J
Tin	SW6020A	32.7	--	44.5	43.6	48.1	40.4
Vanadium	SW6020A	61	--	66.8	58.3	62.3	59.2
Zinc	SW6020A	1110	--	3670	1460	1630	1590
Organometallic Compounds (µg/kg)							
Methyl mercury	E1630M	0.126 J	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2024	Spring Surface Sediment 2025	Spring Surface Sediment 2026	Spring Surface Sediment 2027	Spring Surface Sediment 2028	Spring Surface Sediment 2029
Tributary		Dutch Kills	East Branch	East Branch	East Branch	East Branch	East Branch
River Mile		0.55	0.01	0.01	0.1	0.1	0.1
Location ID		DK011SG_20120502	NC080SG_20120504	NC080SG_20120504	EB001SG_20120417	EB001SG_20120417	EB002SG_20120417
Sample ID		DK011SG-000015-20120502	NC080SG-000003-20120504	NC080SG-000015-20120504	EB001SG-000015-20120417	EB1001SG-000015-20120417	EB002SG-000015-20120417
Sample Date		5/2/2012	5/4/2012	5/4/2012	4/17/2012	4/17/2012	4/17/2012
Sample Depth		0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		13.2	8.8	8.8	6.7	6.7	13.9
Sample Type		N	N	N	N	FD	N
Matrix		SE	SE	SE	SE	SE	SE
Volatile Organics (µg/kg)							
1,1,1-Trichloroethane	SW8260B	5.4 U	--	3.6 U	5.3 U	5.2 U	6.2 U
1,1,2,2-Tetrachloroethane	SW8260B	5.4 U	--	3.6 U	5.3 U	5.2 U	6.2 U
1,1,2-Trichloroethane	SW8260B	8.2 U	--	5.4 U	7.9 U	7.7 U	9.3 U
1,1,2-Trichlorotrifluoroethane	SW8260B	110 U	--	72 U	100 U	100 U	120 U
1,1-Dichloroethane	SW8260B	8.2 U	--	5.4 U	7.9 U	7.7 U	9.3 U
1,1-Dichloroethene	SW8260B	5.4 U	--	3.6 U	5.3 U	5.2 U	6.2 U
1,2,3-Trichlorobenzene	SW8260B	27 U	--	18 U	26 U	26 U	31 U
1,2,4-Trichlorobenzene	SW8260B	27 U	--	18 U	26 U	26 U	31 U
1,2-Dibromo-3-chloropropane	SW8260B	27 U	--	18 U	26 U	26 U	31 U
1,2-Dichlorobenzene	SW8260B	27 U	--	18 U	26 U	26 U	31 U
1,2-Dichloroethane	SW8260B	5.4 U	--	3.6 U	5.3 U	5.2 U	6.2 U
1,2-Dichloroethene, cis-	SW8260B	1.4 J	--	3.6 U	5.3 U	5.2 U	6.2 U
1,2-Dichloroethene, trans-	SW8260B	8.2 U	--	5.4 U	7.9 U	7.7 U	9.3 U
1,2-Dichloropropane	SW8260B	19 U	--	13 U	18 U	18 U	22 U
1,3-Dichlorobenzene	SW8260B	27 U	--	18 U	26 U	26 U	31 U
1,3-Dichloropropene, cis-	SW8260B	5.4 U	--	3.6 U	5.3 U	5.2 U	6.2 U
1,3-Dichloropropene, trans-	SW8260B	5.4 U	--	3.6 U	5.3 U	5.2 U	6.2 U
1,4-Dichlorobenzene	SW8260B	2.9 J	--	1.4 J	26 U	16 J	15 J
2-Butanone (MEK)	SW8260B	110	--	55	140	180	200
2-Hexanone (methyl butyl ketone)	SW8260B	54 U	--	36 U	53 U	52 U	62 U
Acetone	SW8260B	470	--	320	700 J	900 J	1000 J
Benzene	SW8260B	5.4 U	--	3.6 U	5.3 U	5.2 U	6.2 U
Bromochloromethane	SW8260B	27 U	--	18 U	26 U	26 U	31 U
Bromodichloromethane	SW8260B	5.4 U	--	3.6 U	5.3 U	5.2 U	6.2 U
Bromoform (tribromomethane)	SW8260B	22 U	--	14 U	21 U	21 U	25 U
Bromomethane (methyl bromide)	SW8260B	11 U	--	7.2 U	10 U	10 U	12 U
Carbon disulfide	SW8260B	69	--	48	44 J	52 J	64 J
Carbon tetrachloride (tetrachloromethane)	SW8260B	5.4 U	--	3.6 U	5.3 U	5.2 U	6.2 U
Chlorobenzene	SW8260B	1.6 J	--	3.6 U	5.1 J	7.8	8.2
Chloroethane	SW8260B	11 U	--	7.2 U	10 U	10 U	12 U
Chloroform	SW8260B	8.2 U	--	5.4 U	7.9 U	7.7 U	9.3 U

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2024	Spring Surface Sediment 2025	Spring Surface Sediment 2026	Spring Surface Sediment 2027	Spring Surface Sediment 2028	Spring Surface Sediment 2029
Tributary		Dutch Kills	East Branch	East Branch	East Branch	East Branch	East Branch
River Mile		0.55	0.01	0.01	0.1	0.1	0.1
Location ID		DK011SG_20120502	NC080SG_20120504	NC080SG_20120504	EB001SG_20120417	EB001SG_20120417	EB002SG_20120417
Sample ID		DK011SG-000015-20120502	NC080SG-000003-20120504	NC080SG-000015-20120504	EB001SG-000015-20120417	EB1001SG-000015-20120417	EB002SG-000015-20120417
Sample Date		5/2/2012	5/4/2012	5/4/2012	4/17/2012	4/17/2012	4/17/2012
Sample Depth		0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		13.2	8.8	8.8	6.7	6.7	13.9
Sample Type		N	N	N	N	FD	N
Matrix		SE	SE	SE	SE	SE	SE
Chloromethane	SW8260B	27 U	--	18 U	26 U	26 U	31 U
Cyclohexane	SW8260B	110 U	--	72 U	100 U	100 U	120 U
Dibromochloromethane	SW8260B	5.4 U	--	3.6 U	5.3 U	5.2 U	6.2 U
Dichlorodifluoromethane	SW8260B	54 U	--	36 U	53 UJ	52 UJ	62 UJ
Dichloromethane (methylene chloride)	SW8260B	54 U	--	36 U	53 U	52 U	62 U
Ethylbenzene	SW8260B	5.4 U	--	3.6 U	5.3 U	5.2 U	6.2 U
Ethylene dibromide (1,2-Dibromoethane)	SW8260B	22 U	--	14 U	21 U	21 U	25 U
Isopropylbenzene (cumene)	SW8260B	2.7 J	--	3.6 U	5.3 U	5.2 U	6.2 U
m,p-Xylene	SW8260B	11 U	--	7.2 U	10 U	10 U	6 J
Methyl acetate	SW8260B	110 U	--	72 U	100 U	100 U	120 U
Methyl isobutyl ketone (4-methyl-2-pentanone [MIBK])	SW8260B	54 U	--	36 U	53 U	52 U	62 U
Methyl tert-butyl ether (MTBE)	SW8260B	11 U	--	7.2 U	10 U	10 U	12 U
Methylcyclohexane	SW8260B	22 U	--	14 U	21 U	21 U	25 U
o-Xylene	SW8260B	11 U	--	7.2 U	10 U	10 U	12 U
Styrene	SW8260B	11 U	--	7.2 U	10 U	10 U	12 U
Tetrachloroethene (PCE)	SW8260B	5.4 U	--	3.6 U	5.3 U	5.2 U	6.2 U
Toluene	SW8260B	8.2 U	--	5.4 U	7.9 U	7.7 U	9.3 U
Total BTEX (U = 0)	--	11 U	--	7.2 U	10 U	10 U	6 J
Total BTEX (U = 1/2)	--	11 U	--	7.2 U	10 U	10 U	22.9 J
Total xylene (U = 0)	--	11 U	--	7.2 U	10 U	10 U	6 J
Total xylene (U = 1/2)	--	11 U	--	7.2 U	10 U	10 U	12 J
Trichloroethene (TCE)	SW8260B	5.4 U	--	3.6 U	5.3 U	5.2 U	6.2 U
Trichlorofluoromethane (fluorotrichloromethane)	SW8260B	27 U	--	18 U	26 U	26 U	31 U
Vinyl acetate	SW8260B	54 U	--	36 U	53 U	52 U	62 U
Vinyl chloride	SW8260B	11 U	--	7.2 U	10 U	10 U	12 U
Semivolatile Organics (µg/kg)							
1,2,4,5-Tetrachlorobenzene	SW8270C	820 U	--	2500 U	3300 U	3000 U	3400 U
1,4-Dioxane	SW8270C	1700 U	--	5100 U	6600 U	6200 U	6900 U
2,3,4,6-Tetrachlorophenol	SW8270C	820 U	--	2500 U	3300 UJ	3000 UJ	3400 UJ
2,4,5-Trichlorophenol	SW8270C	820 U	--	2500 U	3300 U	3000 U	3400 U
2,4,6-Trichlorophenol	SW8270C	820 U	--	2500 U	3300 U	3000 U	3400 U

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2024	Spring Surface Sediment 2025	Spring Surface Sediment 2026	Spring Surface Sediment 2027	Spring Surface Sediment 2028	Spring Surface Sediment 2029
Tributary		Dutch Kills	East Branch	East Branch	East Branch	East Branch	East Branch
River Mile		0.55	0.01	0.01	0.1	0.1	0.1
Location ID		DK011SG_20120502	NC080SG_20120504	NC080SG_20120504	EB001SG_20120417	EB001SG_20120417	EB002SG_20120417
Sample ID		DK011SG-000015-20120502	NC080SG-000003-20120504	NC080SG-000015-20120504	EB001SG-000015-20120417	EB1001SG-000015-20120417	EB002SG-000015-20120417
Sample Date		5/2/2012	5/4/2012	5/4/2012	4/17/2012	4/17/2012	4/17/2012
Sample Depth		0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		13.2	8.8	8.8	6.7	6.7	13.9
Sample Type		N	N	N	N	FD	N
Matrix		SE	SE	SE	SE	SE	SE
2,4-Dichlorophenol	SW8270C	170 U	--	510 U	670 U	620 U	690 U
2,4-Dimethylphenol	SW8270C	820 U	--	2500 UJ	3300 U	3000 U	3400 U
2,4-Dinitrophenol	SW8270C	4200 U	--	13000 U	17000 U	16000 U	18000 U
2,4-Dinitrotoluene	SW8270C	820 U	--	2500 U	3300 U	3000 U	3400 U
2,6-Dinitrotoluene	SW8270C	820 U	--	2500 U	3300 UJ	3000 UJ	3400 UJ
2-Chloronaphthalene	SW8270C	170 U	--	510 U	670 U	620 U	690 U
2-Chlorophenol	SW8270C	820 U	--	2500 U	3300 U	3000 U	3400 U
2-Methylnaphthalene	SW8270C	320	--	600	280 J	200 J	210 J
2-Methylphenol (o-Cresol)	SW8270C	820 U	--	2500 U	3300 U	3000 U	3400 U
2-Nitroaniline	SW8270C	4200 U	--	13000 U	17000 U	16000 U	18000 U
2-Nitrophenol	SW8270C	820 U	--	2500 U	3300 U	3000 U	3400 U
3,3'-Dichlorobenzidine	SW8270C	820 U	--	2500 U	3300 U	3000 U	3400 U
3-methylphenol and 4-methylphenol (m&p-cresol)	SW8270C	370 J	--	2500 U	3300 U	3000 U	3400 U
3-Nitroaniline	SW8270C	4200 U	--	13000 U	17000 U	16000 U	18000 U
4-Bromophenyl-phenyl ether	SW8270C	820 U	--	2500 U	3300 U	3000 U	3400 U
4-Chloro-3-methylphenol	SW8270C	820 U	--	2500 U	3300 U	3000 U	3400 U
4-Chloroaniline	SW8270C	160 J	--	340 J	850 J	690 J	510 J
4-Chlorophenyl phenyl ether	SW8270C	820 U	--	2500 U	3300 U	3000 U	3400 U
4-Nitroaniline	SW8270C	4200 U	--	13000 U	17000 UJ	16000 UJ	18000 UJ
4-Nitrophenol	SW8270C	4200 U	--	13000 U	17000 UJ	16000 UJ	18000 UJ
Acenaphthene	SW8270C	370	--	680	610 J	610 J	550 J
Acenaphthylene	SW8270C	290	--	840	570 J	460 J	490 J
Acetophenone	SW8270C	820 U	--	2500 U	330 J	3000 U	3400 U
Anthracene	SW8270C	910	--	1400	1100	950	990
Atrazine	SW8270C	820 UJ	--	2500 UJ	3300 U	3000 U	3400 U
Benzaldehyde	SW8270C	820 U	--	430 J	2400 J	2100 J	2300 J
Benzo(a)anthracene	SW8270C	2600	--	4500	4600 J	4800	3900
Benzo(a)pyrene	SW8270C	2700	--	5200	4600 J	4100 J	3700 J
Benzo(b)fluoranthene	SW8270C	3800	--	3700	6500 J	6400 J	5600 J
Benzo(g,h,i)perylene	SW8270C	2000	--	3000	3700 J	3400 J	2800 J
Benzo(k)fluoranthene	SW8270C	1600	--	3100	3800 J	1600 J	2000 J
Biphenyl (1,1'-Biphenyl)	SW8270C	100 J	--	2500 U	3300 U	3000 U	3400 U

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2024	Spring Surface Sediment 2025	Spring Surface Sediment 2026	Spring Surface Sediment 2027	Spring Surface Sediment 2028	Spring Surface Sediment 2029
Tributary		Dutch Kills	East Branch	East Branch	East Branch	East Branch	East Branch
River Mile		0.55	0.01	0.01	0.1	0.1	0.1
Location ID		DK011SG_20120502	NC080SG_20120504	NC080SG_20120504	EB001SG_20120417	EB001SG_20120417	EB002SG_20120417
Sample ID		DK011SG-000015-20120502	NC080SG-000003-20120504	NC080SG-000015-20120504	EB001SG-000015-20120417	EB1001SG-000015-20120417	EB002SG-000015-20120417
Sample Date		5/2/2012	5/4/2012	5/4/2012	4/17/2012	4/17/2012	4/17/2012
Sample Depth		0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		13.2	8.8	8.8	6.7	6.7	13.9
Sample Type		N	N	N	N	FD	N
Matrix		SE	SE	SE	SE	SE	SE
bis(2-Chloroethoxy)methane	SW8270C	820 U	--	2500 U	3300 U	3000 U	3400 U
bis(2-Chloroethyl)ether	SW8270C	170 U	--	510 U	670 U	620 U	690 U
bis(2-Chloroisopropyl)ether	SW8270C	170 U	--	510 U	670 U	620 U	690 U
Bis(2-ethylhexyl)phthalate	SW8270C	20000	--	37000	55000 J	50000	41000
Butylbenzyl phthalate	SW8270C	1100	--	2500 U	3300 U	1100 J	900 J
Caprolactam	SW8270C	4200 U	--	13000 U	17000 UJ	16000 UJ	18000 UJ
Carbazole	SW8270C	450	--	320 J	550 J	470 J	390 J
Chrysene	SW8270C	3700	--	4100	5500	5000	4200
Dibenzo(a,h)anthracene	SW8270C	480	--	1000	2500 J	2400 J	2100 J
Dibenzofuran	SW8270C	290 J	--	2500 U	3300 U	3000 U	3400 U
Diethyl phthalate	SW8270C	820 U	--	2500 U	3300 U	3000 U	3400 U
Dimethyl phthalate	SW8270C	820 U	--	2500 U	3300 U	3000 U	3400 U
Di-n-butyl phthalate	SW8270C	1300	--	2500 U	660 J	1100 J	790 J
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)	SW8270C	4200 U	--	13000 U	17000 UJ	16000 UJ	18000 UJ
Di-n-octyl phthalate	SW8270C	720 J	--	400 J	1300 J	1300 J	3400 U
Fluoranthene	SW8270C	6900	--	7500	13000	12000	9400
Fluorene	SW8270C	410	--	510 U	610 J	540 J	440 J
Hexachlorobenzene	SW8270C	170 U	--	510 U	670 U	620 U	690 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270C	170 U	--	510 U	670 U	620 U	690 U
Hexachlorocyclopentadiene	SW8270C	820 U	--	2500 U	3300 UJ	3000 UJ	3400 UJ
Hexachloroethane	SW8270C	820 U	--	2500 U	3300 U	3000 U	3400 U
Indeno(1,2,3-c,d)pyrene	SW8270C	1800	--	2600	4000 J	3800	3500
Isophorone	SW8270C	820 U	--	2500 U	3300 U	3000 U	3400 U
Naphthalene	SW8270C	450	--	1600	570 J	460 J	580 J
Nitrobenzene	SW8270C	1700 U	--	5100 U	6600 U	6200 U	6900 U
N-Nitrosodi-N-propylamine	SW8270C	170 U	--	510 U	670 U	620 U	690 U
N-Nitrosodiphenylamine	SW8270C	820 U	--	2500 U	3300 U	3000 U	3400 U
Pentachlorophenol	SW8270C	820 UJ	--	2500 U	3300 U	3000 U	3400 U
Phenanthrene	SW8270C	2600	--	2100	3900	3500	3100
Phenol	SW8270C	170 U	--	510 U	260 J	120 J	690 U
Pyrene	SW8270C	6100	--	11000	7700 J	6800	6300

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2024	Spring Surface Sediment 2025	Spring Surface Sediment 2026	Spring Surface Sediment 2027	Spring Surface Sediment 2028	Spring Surface Sediment 2029
Tributary		Dutch Kills	East Branch	East Branch	East Branch	East Branch	East Branch
River Mile		0.55	0.01	0.01	0.1	0.1	0.1
Location ID		DK011SG_20120502	NC080SG_20120504	NC080SG_20120504	EB001SG_20120417	EB001SG_20120417	EB002SG_20120417
Sample ID		DK011SG-000015-20120502	NC080SG-000003-20120504	NC080SG-000015-20120504	EB001SG-000015-20120417	EB1001SG-000015-20120417	EB002SG-000015-20120417
Sample Date		5/2/2012	5/4/2012	5/4/2012	4/17/2012	4/17/2012	4/17/2012
Sample Depth		0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		13.2	8.8	8.8	6.7	6.7	13.9
Sample Type		N	N	N	N	FD	N
Matrix		SE	SE	SE	SE	SE	SE
Total cresol (o,m,p) (U = 0)	--	370 J	--	2500 U	3300 U	3000 U	3400 U
Total cresol (o,m,p) (U = 1/2)	--	780 J	--	2500 U	3300 U	3000 U	3400 U
Polycyclic Aromatic Hydrocarbons (µg/kg)							
1,6,7-Trimethylnaphthalene	SW8270CMSIM	253	--	2580	202	170	102
1-Methyldibenzothiophene	SW8270CMSIM	60.3 J	--	712	52.6 J	45 J	46.3 J
1-Methylnaphthalene	SW8270CMSIM	258	--	541	97.6	83.8	92.6
1-Methylphenanthrene	SW8270CMSIM	580	--	2860	365	306	294
2,6-Dimethylnaphthalene	SW8270CMSIM	512	--	2180	293	222	212
2-Methylantracene	SW8270CMSIM	215	--	1110	154	122	138
2-Methyldibenzothiophene and 3-methyldibenzothiophene	SW8270CMSIM	98.3	--	1480	118	101	108
2-Methylnaphthalene	SW8270CMSIM	467	--	1750	176	148	173
2-Methylphenanthrene	SW8270CMSIM	556	--	812	166	132	149
4-Methyldibenzothiophene	SW8270CMSIM	158	--	2560	175	142	136
4-Methylphenanthrene and 9-methylphenanthrene	SW8270CMSIM	542	--	4040	256	207	204
Acenaphthene	SW8270CMSIM	601	--	1500	362	308	343
Acenaphthylene	SW8270CMSIM	206	--	1540	189	151	171
Anthracene	SW8270CMSIM	1220	--	3140	739	580	644
Benzo(a)anthracene	SW8270CMSIM	3760	--	7130	2710	2180	2160
Benzo(a)pyrene	SW8270CMSIM	3820	--	7660	3030	2450	2460
Benzo(b)fluoranthene	SW8270CMSIM	5900	--	6660	3490	2900	3000
Benzo(e)pyrene	SW8270CMSIM	3770	--	5610	2620	2160	2110
Benzo(g,h,i)perylene	SW8270CMSIM	2870	--	4920	2270	1900	1810
Benzo(j,k)fluoranthene	SW8270CMSIM	3480	--	5540	2680	2190	2000
Benzonaphthothiophene	SW8270CMSIM	1560	--	2880	1110	908	884
Benzothiophene	SW8270CMSIM	32.4 J	--	170	53.1 U	53.9 U	61.8 U
Carbazole	SW8270CMSIM	576	--	384	320	260	260
Chrysene	SW8270CMSIM	5070	--	7160	3490	2810	2790
Decalin, cis and trans-	SW8270CMSIM	624	--	467	164	146	130
Dibenzo(a,h)anthracene and dibenzo(a,c)anthracene	SW8270CMSIM	939	--	1440	690	578	545
Dibenzothiophene	SW8270CMSIM	358	--	697	236	190	193

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2024	Spring Surface Sediment 2025	Spring Surface Sediment 2026	Spring Surface Sediment 2027	Spring Surface Sediment 2028	Spring Surface Sediment 2029
Tributary		Dutch Kills	East Branch	East Branch	East Branch	East Branch	East Branch
River Mile		0.55	0.01	0.01	0.1	0.1	0.1
Location ID		DK011SG_20120502	NC080SG_20120504	NC080SG_20120504	EB001SG_20120417	EB001SG_20120417	EB002SG_20120417
Sample ID		DK011SG-000015-20120502	NC080SG-000003-20120504	NC080SG-000015-20120504	EB001SG-000015-20120417	EB1001SG-000015-20120417	EB002SG-000015-20120417
Sample Date		5/2/2012	5/4/2012	5/4/2012	4/17/2012	4/17/2012	4/17/2012
Sample Depth		0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		13.2	8.8	8.8	6.7	6.7	13.9
Sample Type		N	N	N	N	FD	N
Matrix		SE	SE	SE	SE	SE	SE
Fluoranthene	SW8270CMSIM	12800	--	14900	7920	6480	6400
Fluorene	SW8270CMSIM	633	--	514	297	243	267
Indeno(1,2,3-c,d)pyrene	SW8270CMSIM	3030	--	5060	2240	1800	1760
Naphthalene	SW8270CMSIM	729	--	4790	383	309	390
Perylene	SW8270CMSIM	1010	--	1640	712	578	577
Phenanthrene	SW8270CMSIM	4580	--	3460	2590	2020	2100
Pyrene	SW8270CMSIM	10900	--	18800	7270	5860	5960
Retene	SW8270CMSIM	81.2 U	--	128 U	534	513	511
Total benzofluoranthenes (U = 0)	--	9380	--	12200	6170	5090	5000
Total benzofluoranthenes (U = 1/2)	--	9380	--	12200	6170	5090	5000
Total cPAH TEQ (USEPA 1993) (U = 0)	--	6067.87	--	11047.56	4594.29	3740.71	3719.79
Total cPAH TEQ (USEPA 1993) (U = 1/2)	--	6067.87	--	11047.56	4594.29	3740.71	3719.79
Total HPAH (9 of 16) (U = 0)	--	52569	--	79270	35790	29148	28885
Total HPAH (9 of 16) (U = 1/2)	--	52569	--	79270	35790	29148	28885
Total LPAH (7 of 16) (U = 0)	--	8436	--	16694	4736	3759	4088
Total LPAH (7 of 16) (U = 1/2)	--	8436	--	16694	4736	3759	4088
Total PAH (16) (U = 0)	--	61005	--	95964	40526	32907	32973
Total PAH (16) (U = 1/2)	--	61005	--	95964	40526	32907	32973
Alkylated Polycyclic Aromatic Hydrocarbons (µg/kg)							
C1-Benzo(a)anthracenes/chrysenes	SW8270CMSIM	2250	--	7840	1820	1490	1530
C1-Benzo(b)thiophenes	SW8270CMSIM	241	--	376	50.2 J	38.4 J	37.3 J
C1-Decalins	SW8270CMSIM	1780	--	3740	564	472	450
C1-Dibenzothiophenes	SW8270CMSIM	354	--	5150	379	319	330
C1-Fluoranthenes/Pyrenes	SW8270CMSIM	5300	--	15200	3620	2940	3120
C1-Fluorenes	SW8270CMSIM	359	--	2770	285	227	232
C1-Naphthalenes	SW8270CMSIM	430	--	1450	163	136	156
C1-Phenanthrenes/Anthracenes	SW8270CMSIM	2320	--	13100	1640	1320	1360
C2-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	1780	--	6710	1340	1160	1190
C2-Benzo(b)thiophenes	SW8270CMSIM	54.4 J	--	518	42.3 J	35.8 J	37 J
C2-Decalins	SW8270CMSIM	1690	--	6500	1070	885	799
C2-Dibenzothiophenes	SW8270CMSIM	865	--	10500	870	743	796
C2-Fluorenes	SW8270CMSIM	1090	--	11300	1040	852	923
C2-Naphthalenes	SW8270CMSIM	820	--	4100	428	352	340

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2024	Spring Surface Sediment 2025	Spring Surface Sediment 2026	Spring Surface Sediment 2027	Spring Surface Sediment 2028	Spring Surface Sediment 2029
Tributary		Dutch Kills	East Branch	East Branch	East Branch	East Branch	East Branch
River Mile		0.55	0.01	0.01	0.1	0.1	0.1
Location ID		DK011SG_20120502	NC080SG_20120504	NC080SG_20120504	EB001SG_20120417	EB001SG_20120417	EB002SG_20120417
Sample ID		DK011SG-000015-20120502	NC080SG-000003-20120504	NC080SG-000015-20120504	EB001SG-000015-20120417	EB1001SG-000015-20120417	EB002SG-000015-20120417
Sample Date		5/2/2012	5/4/2012	5/4/2012	4/17/2012	4/17/2012	4/17/2012
Sample Depth		0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		13.2	8.8	8.8	6.7	6.7	13.9
Sample Type		N	N	N	N	FD	N
Matrix		SE	SE	SE	SE	SE	SE
C2-Phenanthrenes/Anthracenes	SW8270CMSIM	2580	--	21000	2470	2110	2190
C3-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	2090	--	5460	1310	1150	1180
C3-Benzo(b)thiophenes	SW8270CMSIM	107	--	1820	98.4	98.4	113
C3-Decalins	SW8270CMSIM	814	--	5400	705	676	611
C3-Dibenzothiophenes	SW8270CMSIM	1150	--	8340	991	866	926
C3-Fluorenes	SW8270CMSIM	2000	--	11400	1620	1270	1380
C3-Naphthalenes	SW8270CMSIM	1090	--	18200	1020	854	762
C3-Phenanthrenes/Anthracenes	SW8270CMSIM	2150	--	12500	1780	1490	1700
C4-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	1350	--	2880	796	725	670
C4-Benzo(b)thiophenes	SW8270CMSIM	123	--	2040	107	102	109
C4-Decalins	SW8270CMSIM	1190	--	9110	1040	872	1060
C4-Dibenzothiophenes	SW8270CMSIM	860	--	4270	639	532	568
C4-Naphthalenes	SW8270CMSIM	1080	--	17300	1170	1010	996
C4-Phenanthrenes/Anthracenes	SW8270CMSIM	1240	--	5500	915	808	878
n-Alkanes and Isoprenoids (µg/kg)							
2,6,10-Trimethyldodecane	SW8015M	1360 J	--	10700	1500 J	1060 J	1090 J
2,6,10-Trimethyltridecane	SW8015M	3040 J	--	23800 J	3810 J	2740 J	2940 J
n-Decane (C10)	SW8015M	5410 U	--	8510 U	3540 U	3590 U	4120 U
n-Docosane (C22)	SW8015M	10100	--	2370 J	3540 U	528 J	519 J
n-Dodecane (C12)	SW8015M	5410 U	--	2260 J	3540 U	3590 U	4120 U
n-Dotriacontane (C32)	SW8015M	2680 J	--	3180 J	5280	2790 J	1970 J
n-Eicosane (C20)	SW8015M	2450 J	--	8510 U	1070 J	3590 U	4120 U
n-Heneicosane (C21)	SW8015M	2120 J	--	2010 J	1920 J	1320 J	1530 J
n-Hentriacontane (C31)	SW8015M	6100	--	22900	18200	12500	13500 J
n-Heptacosane (C27)	SW8015M	5380 J	--	7350 J	6290	4360	4350 J
n-Heptadecane (C17)	SW8015M	5410 U	--	5470 J	1860 J	3590 U	4120 U
n-Heptatriacontane (C37)	SW8015M	2740 J	--	8510 U	2360 J	2710 J	1620 J
n-Hexacosane (C26)	SW8015M	4740 J	--	7540 J	2830 J	2010 J	3100 J
n-Hexadecane (C16)	SW8015M	2120 J	--	6040 J	974 J	593 J	4120 U
n-Hexatriacontane (C36)	SW8015M	3430 J	--	8510 U	3540	3160 J	2640 J
n-Nonacosane (C29)	SW8015M	13700	--	6130 J	21100	9810	13400 J
n-Nonadecane (C19)	SW8015M	1540 J	--	8510 U	3540 U	3590 U	4120 U
n-Nonane (C9)	SW8015M	5410 U	--	8510 U	3540 U	3590 U	4120 U

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2024	Spring Surface Sediment 2025	Spring Surface Sediment 2026	Spring Surface Sediment 2027	Spring Surface Sediment 2028	Spring Surface Sediment 2029
Tributary		Dutch Kills	East Branch	East Branch	East Branch	East Branch	East Branch
River Mile		0.55	0.01	0.01	0.1	0.1	0.1
Location ID		DK011SG_20120502	NC080SG_20120504	NC080SG_20120504	EB001SG_20120417	EB001SG_20120417	EB002SG_20120417
Sample ID		DK011SG-000015-20120502	NC080SG-000003-20120504	NC080SG-000015-20120504	EB001SG-000015-20120417	EB1001SG-000015-20120417	EB002SG-000015-20120417
Sample Date		5/2/2012	5/4/2012	5/4/2012	4/17/2012	4/17/2012	4/17/2012
Sample Depth		0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		13.2	8.8	8.8	6.7	6.7	13.9
Sample Type		N	N	N	N	FD	N
Matrix		SE	SE	SE	SE	SE	SE
n-Nonatriacontane (C39)	SW8015M	1910 J	--	8510 U	1330 J	1900 J	1420 J
n-Octacosane (C28)	SW8015M	4490 J	--	6110 J	1460 J	1570 J	1730 J
n-Octadecane (C18)	SW8015M	6630 J	--	4020 J	5030 J	3310 J	3710 J
n-Octatriacontane (C38)	SW8015M	2290 J	--	2960 J	3170 J	2680 J	2700 J
Norpristane	SW8015M	2930 J	--	21100	3360 J	2420 J	2960 J
n-Pentacosane (C25)	SW8015M	11500 J	--	18900 J	3690 J	2490 J	3320 J
n-Pentadecane (C15)	SW8015M	2820 J	--	5280 J	1030 J	894 J	618 J
n-Pentatriacontane (C35)	SW8015M	4400 J	--	5690 J	4140	2830 J	2850 J
n-Tetracontane (C40)	SW8015M	2480 J	--	8510 U	1430 J	2070 J	4120 U
n-Tetracosane (C24)	SW8015M	2280 J	--	2710 J	3540 U	945 J	1210 J
n-Tetradecane (C14)	SW8015M	1160 J	--	4180 J	999 J	560 J	4120 U
n-Tetratriacontane (C34)	SW8015M	6110	--	4900 J	2750 J	2250 J	2490 J
n-Triacontane (C30)	SW8015M	4700 J	--	4710 J	3160 J	2310 J	2760 J
n-Tricosane (C23)	SW8015M	1520 J	--	4560 J	1080 J	769 J	799 J
n-Tridecane (C13)	SW8015M	5410 U	--	2870 J	3540 U	3590 U	4120 U
n-Tritriacontane (C33)	SW8015M	7430	--	5420 J	14900	6520	9670 J
n-Undecane (C11)	SW8015M	2000 J	--	8510 U	3540 U	3590 U	4120 U
Pesticides (µg/kg)							
2,4'-DDD (o,p'-DDD)	SW8081A	5.2	--	33 J	0.42 U	0.39 U	0.43 U
2,4'-DDE (o,p'-DDE)	SW8081A	1.4 J	--	39 J	3.6 J	5.1	3.6 J
2,4'-DDT (o,p'-DDT)	SW8081A	1.2 J	--	0.32 U	0.42 U	0.39 U	0.43 U
4,4'-DDD (p,p'-DDD)	SW8081A	18	--	68	29 J	29 J	24
4,4'-DDE (p,p'-DDE)	SW8081A	9.7 J	--	55 J	21	20	24
4,4'-DDT (p,p'-DDT)	SW8081A	6.8 J	--	7.2 J	10 J	9	18 J
Aldrin	SW8081A	0.12 J	--	2.9 J	3.9 J	3.6 J	4 J
alpha-Hexachlorocyclohexane (BHC)	SW8081A	0.41 U	--	0.29 J	5.7	3.9	0.43 U
Chlordane, alpha- (cis-Chlordane)	SW8081A	9.2	--	0.32 U	28	30	25
Chlordane, beta- (trans-Chlordane)	SW8081A	0.41 U	--	0.32 U	0.42 U	0.39 U	0.43 U
delta-Hexachlorocyclohexane (BHC)	SW8081A	0.25 J	--	2.7 J	1.9 J	0.39 U	0.59 J
Dieldrin	SW8081A	4.6	--	36 J	8.9 J	9.4 J	8
Endosulfan sulfate	SW8081A	0.21 J	--	0.51 J	0.42 U	0.39 U	0.43 U
Endosulfan-alpha (I)	SW8081A	0.41 U	--	0.32 U	0.42 U	0.39 U	0.43 U
Endosulfan-beta (II)	SW8081A	0.41 U	--	0.32 U	0.42 U	0.39 U	0.43 U

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2024	Spring Surface Sediment 2025	Spring Surface Sediment 2026	Spring Surface Sediment 2027	Spring Surface Sediment 2028	Spring Surface Sediment 2029
Tributary		Dutch Kills	East Branch	East Branch	East Branch	East Branch	East Branch
River Mile		0.55	0.01	0.01	0.1	0.1	0.1
Location ID		DK011SG_20120502	NC080SG_20120504	NC080SG_20120504	EB001SG_20120417	EB001SG_20120417	EB002SG_20120417
Sample ID		DK011SG-000015-20120502	NC080SG-000003-20120504	NC080SG-000015-20120504	EB001SG-000015-20120417	EB1001SG-000015-20120417	EB002SG-000015-20120417
Sample Date		5/2/2012	5/4/2012	5/4/2012	4/17/2012	4/17/2012	4/17/2012
Sample Depth		0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		13.2	8.8	8.8	6.7	6.7	13.9
Sample Type		N	N	N	N	FD	N
Matrix		SE	SE	SE	SE	SE	SE
Endrin	SW8081A	0.41 U	--	7.8 J	0.88 J	1 J	0.43 U
Endrin aldehyde	SW8081A	0.41 UJ	--	0.32 UJ	0.67 J	0.74 J	2.3 J
Endrin ketone	SW8081A	1.8 J	--	0.32 UJ	-- R	-- R	2.9 J
Heptachlor	SW8081A	0.41 U	--	0.32 U	0.42 U	0.39 U	0.43 U
Heptachlor epoxide	SW8081A	0.39 J	--	5 J	1.3 J	0.89 J	0.16 J
Hexachlorobenzene	SW8081A	0.47 J	--	2.8 J	2.3 J	1.8	2 J
Hexachlorocyclohexane, beta- (BHC)	SW8081A	0.41 U	--	0.32 U	0.31 J	0.69 J	0.36 J
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	SW8081A	0.41 U	--	1.8 J	0.24 J	0.73 J	0.23 J
Methoxychlor	SW8081A	1.8 J	--	0.63 U	1.6 J	2.4 J	2.3 J
Mirex	SW8081A	0.41 U	--	0.32 U	0.42 U	0.39 U	0.43 U
Nonachlor, cis-	SW8081A	0.86 J	--	6.4 J	7.8 J	7.1 J	6.1 J
Nonachlor, trans-	SW8081A	1.6 J	--	21	0.42 U	0.39 U	0.43 U
Oxychlordane	SW8081A	0.65 U	--	0.32 U	0.42 U	0.26 J	0.2 J
Sum DDD (U = 0)	--	23.2	--	101 J	29 J	29 J	24
Sum DDD (U = 1/2)	--	23.2	--	101 J	29.21 J	29.2 J	24.21
Sum DDE (U = 0)	--	11.1 J	--	94 J	24.6 J	25.1	27.6 J
Sum DDE (U = 1/2)	--	11.1 J	--	94 J	24.6 J	25.1	27.6 J
Sum DDT (U = 0)	--	8 J	--	7.2 J	10 J	9	18 J
Sum DDT (U = 1/2)	--	8 J	--	7.36 J	10.21 J	9.2	18.21 J
Total chlordanes (U = 0)	--	11.66 J	--	27.4 J	35.8 J	37.36 J	31.3 J
Total chlordanes (U = 1/2)	--	12.19 J	--	27.88 J	36.43 J	37.75 J	31.73 J
Total DDX (U = 0)	--	42.3 J	--	202.2 J	63.6 J	63.1 J	69.6 J
Total DDX (U = 1/2)	--	42.3 J	--	202.36 J	64.02 J	63.49 J	70.03 J
Toxaphene	SW8081A	16 U	--	13 U	17 U	15 U	17 U
Pesticides - High Resolution (µg/kg)							
2,4'-DDD (o,p'-DDD)	E1699	15	--	--	--	--	--
2,4'-DDE (o,p'-DDE)	E1699	1.8 J	--	--	--	--	--
2,4'-DDT (o,p'-DDT)	E1699	0.32 U	--	--	--	--	--
4,4'-DDD (p,p'-DDD)	E1699	43	--	--	--	--	--
4,4'-DDE (p,p'-DDE)	E1699	27	--	--	--	--	--
4,4'-DDT (p,p'-DDT)	E1699	5.4	--	--	--	--	--
Aldrin	E1699	0.13 U	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2024	Spring Surface Sediment 2025	Spring Surface Sediment 2026	Spring Surface Sediment 2027	Spring Surface Sediment 2028	Spring Surface Sediment 2029
Tributary		Dutch Kills	East Branch	East Branch	East Branch	East Branch	East Branch
River Mile		0.55	0.01	0.01	0.1	0.1	0.1
Location ID		DK011SG_20120502	NC080SG_20120504	NC080SG_20120504	EB001SG_20120417	EB001SG_20120417	EB002SG_20120417
Sample ID		DK011SG-000015-20120502	NC080SG-000003-20120504	NC080SG-000015-20120504	EB001SG-000015-20120417	EB1001SG-000015-20120417	EB002SG-000015-20120417
Sample Date		5/2/2012	5/4/2012	5/4/2012	4/17/2012	4/17/2012	4/17/2012
Sample Depth		0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		13.2	8.8	8.8	6.7	6.7	13.9
Sample Type		N	N	N	N	FD	N
Matrix		SE	SE	SE	SE	SE	SE
alpha-Hexachlorocyclohexane (BHC)	E1699	0.12 U	--	--	--	--	--
Chlordane, alpha- (cis-Chlordane)	E1699	17	--	--	--	--	--
Chlordane, beta- (trans-Chlordane)	E1699	18	--	--	--	--	--
delta-Hexachlorocyclohexane (BHC)	E1699	0.16 U	--	--	--	--	--
Dieldrin	E1699	7	--	--	--	--	--
Endosulfan sulfate	E1699	0.097 U	--	--	--	--	--
Endosulfan-alpha (I)	E1699	0.38 U	--	--	--	--	--
Endosulfan-beta (II)	E1699	1.1 U	--	--	--	--	--
Endrin	E1699	0.22 U	--	--	--	--	--
Endrin aldehyde	E1699	0.29 U	--	--	--	--	--
Endrin ketone	E1699	0.28 U	--	--	--	--	--
Heptachlor	E1699	0.045 U	--	--	--	--	--
Heptachlor epoxide	E1699	0.76 J	--	--	--	--	--
Hexachlorobenzene	E1699	1.8 J	--	--	--	--	--
Hexachlorocyclohexane, beta- (BHC)	E1699	0.25 J	--	--	--	--	--
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	E1699	0.15 U	--	--	--	--	--
Methoxychlor	E1699	0.53 U	--	--	--	--	--
Mirex	E1699	0.42 J	--	--	--	--	--
Nonachlor, cis-	E1699	3.3	--	--	--	--	--
Nonachlor, trans-	E1699	8.7	--	--	--	--	--
Oxychlordane	E1699	0.14 U	--	--	--	--	--
Sum DDD high resolution (U = 0)	--	58	--	--	--	--	--
Sum DDD high resolution (U = 1/2)	--	58	--	--	--	--	--
Sum DDE high resolution (U = 0)	--	28.8 J	--	--	--	--	--
Sum DDE high resolution (U = 1/2)	--	28.8 J	--	--	--	--	--
Sum DDT high resolution (U = 0)	--	5.4	--	--	--	--	--
Sum DDT high resolution (U = 1/2)	--	5.56	--	--	--	--	--
Total chlordane high resolution (U = 0)	--	47	--	--	--	--	--
Total chlordane high resolution (U = 1/2)	--	47.07	--	--	--	--	--
Total DDx high resolution (U = 0)	--	92.2 J	--	--	--	--	--
Total DDx high resolution (U = 1/2)	--	92.36 J	--	--	--	--	--
Toxaphene	E1699	5.2 U	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2024	Spring Surface Sediment 2025	Spring Surface Sediment 2026	Spring Surface Sediment 2027	Spring Surface Sediment 2028	Spring Surface Sediment 2029
Tributary		Dutch Kills	East Branch	East Branch	East Branch	East Branch	East Branch
River Mile		0.55	0.01	0.01	0.1	0.1	0.1
Location ID		DK011SG_20120502	NC080SG_20120504	NC080SG_20120504	EB001SG_20120417	EB001SG_20120417	EB002SG_20120417
Sample ID		DK011SG-000015-20120502	NC080SG-000003-20120504	NC080SG-000015-20120504	EB001SG-000015-20120417	EB1001SG-000015-20120417	EB002SG-000015-20120417
Sample Date		5/2/2012	5/4/2012	5/4/2012	4/17/2012	4/17/2012	4/17/2012
Sample Depth		0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		13.2	8.8	8.8	6.7	6.7	13.9
Sample Type		N	N	N	N	FD	N
Matrix		SE	SE	SE	SE	SE	SE
Herbicides (µg/kg)							
2,2-Dichloropropionic acid (dalapon)	SW8151A	450 U	--	340 UJ	450 U	420 U	460 U
2,4,5-T (2,4,5-trichlorophenoxyacetic acid)	SW8151A	12 J	--	76 U	100 U	93 U	100 U
2,4,5-TP (Silvex)	SW8151A	99 U	--	76 U	100 U	93 U	100 U
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	400 U	--	300 U	400 U	370 U	410 U
2,4-DB (2,4-D derivative)	SW8151A	400 U	--	300 UJ	400 U	370 U	410 U
Dicamba	SW8151A	200 U	--	150 U	200 U	190 U	210 U
Dichlorprop	SW8151A	89 J	--	180 J	400 U	82 J	97 J
Dinoseb	SW8151A	60 UJ	--	46 U	60 UJ	56 UJ	62 UJ
Mecoprop (MCP)	SW8151A	40000 U	--	30000 U	40000 U	37000 U	41000 U
Mephanac (MCPA)	SW8151A	40000 U	--	30000 U	40000 U	37000 U	41000 U
Dioxin Furans (ng/kg)							
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	3.11 J	--	--	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	9.16 J	--	--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	13.2	--	--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	37.4	--	--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	27.2	--	--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B	749	--	--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B	8110	--	--	--	--	--
Total tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	61.2 J	--	--	--	--	--
Total pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	70.5 J	--	--	--	--	--
Total hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	309	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2024	Spring Surface Sediment 2025	Spring Surface Sediment 2026	Spring Surface Sediment 2027	Spring Surface Sediment 2028	Spring Surface Sediment 2029
Tributary		Dutch Kills	East Branch	East Branch	East Branch	East Branch	East Branch
River Mile		0.55	0.01	0.01	0.1	0.1	0.1
Location ID		DK011SG_20120502	NC080SG_20120504	NC080SG_20120504	EB001SG_20120417	EB001SG_20120417	EB002SG_20120417
Sample ID		DK011SG-000015-20120502	NC080SG-000003-20120504	NC080SG-000015-20120504	EB001SG-000015-20120417	EB1001SG-000015-20120417	EB002SG-000015-20120417
Sample Date		5/2/2012	5/4/2012	5/4/2012	4/17/2012	4/17/2012	4/17/2012
Sample Depth		0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		13.2	8.8	8.8	6.7	6.7	13.9
Sample Type		N	N	N	N	FD	N
Matrix		SE	SE	SE	SE	SE	SE
Total heptachlorodibenzo-p-dioxin (HpCDD)	E1613B	1900	--	--	--	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B	12.3 J	--	--	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B	11.7	--	--	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B	37	--	--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B	37.9	--	--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B	26.4	--	--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B	0.355 U	--	--	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B	33.9	--	--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B	369	--	--	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B	22.4	--	--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B	934	--	--	--	--	--
Total tetrachlorodibenzofuran (TCDF)	E1613B	278 J	--	--	--	--	--
Total pentachlorodibenzofuran (PeCDF)	E1613B	412 J	--	--	--	--	--
Total hexachlorodibenzofuran (HxCDF)	E1613B	536 J	--	--	--	--	--
Total heptachlorodibenzofuran (HpCDF)	E1613B	825	--	--	--	--	--
Total dioxin/furan TEQ 1998 (avian) (U = 0)	--	81.881 J	--	--	--	--	--
Total dioxin/furan TEQ 1998 (avian) (U = 1/2)	--	81.899 J	--	--	--	--	--
Total dioxin/furan TEQ 1998 (fish) (U = 0)	--	54.603 J	--	--	--	--	--
Total dioxin/furan TEQ 1998 (fish) (U = 1/2)	--	54.621 J	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2024	Spring Surface Sediment 2025	Spring Surface Sediment 2026	Spring Surface Sediment 2027	Spring Surface Sediment 2028	Spring Surface Sediment 2029
Tributary		Dutch Kills	East Branch	East Branch	East Branch	East Branch	East Branch
River Mile		0.55	0.01	0.01	0.1	0.1	0.1
Location ID		DK011SG_20120502	NC080SG_20120504	NC080SG_20120504	EB001SG_20120417	EB001SG_20120417	EB002SG_20120417
Sample ID		DK011SG-000015-20120502	NC080SG-000003-20120504	NC080SG-000015-20120504	EB001SG-000015-20120417	EB1001SG-000015-20120417	EB002SG-000015-20120417
Sample Date		5/2/2012	5/4/2012	5/4/2012	4/17/2012	4/17/2012	4/17/2012
Sample Depth		0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		13.2	8.8	8.8	6.7	6.7	13.9
Sample Type		N	N	N	N	FD	N
Matrix		SE	SE	SE	SE	SE	SE
Total dioxin/furan TEQ 2005 (mammal) (U = 0)	--	56.668 J	--	--	--	--	--
Total dioxin/furan TEQ 2005 (mammal) (U = 1/2)	--	56.686 J	--	--	--	--	--
PCB Aroclors (µg/kg)							
Aroclor 1016	SW8082A	10 U	--	16 U	10 U	9.7 U	11 U
Aroclor 1221	SW8082A	10 U	--	16 U	10 U	9.7 U	11 U
Aroclor 1232	SW8082A	10 U	--	16 U	10 U	9.7 U	11 U
Aroclor 1242	SW8082A	200	--	2000	560	560	660
Aroclor 1248	SW8082A	10 U	--	16 U	10 U	9.7 U	11 U
Aroclor 1254	SW8082A	10 U	--	2200	680	640	760
Aroclor 1260	SW8082A	560	--	16 U	10 U	9.7 U	11 U
Aroclor 1262	SW8082A	10 U	--	16 U	10 U	9.7 U	11 U
Aroclor 1268	SW8082A	10 U	--	16 U	10 U	9.7 U	11 U
Total PCB Aroclors (U = 0)	--	760	--	4200	1240	1200	1420
Total PCB Aroclors (U = 1/2)	--	795	--	4256	1275	1233.9	1458.5
PCB Congeners (ng/kg)							
PCB-001	E1668B	2570	--	--	--	--	--
PCB-002	E1668B	273	--	--	--	--	--
PCB-003	E1668B	1870	--	--	--	--	--
PCB-004	E1668B	4660	--	--	--	--	--
PCB-005	E1668B	241	--	--	--	--	--
PCB-006	E1668B	2650	--	--	--	--	--
PCB-007	E1668B	490	--	--	--	--	--
PCB-008	E1668B	10200	--	--	--	--	--
PCB-009	E1668B	729	--	--	--	--	--
PCB-010	E1668B	333	--	--	--	--	--
PCB-011	E1668B	2840	--	--	--	--	--
PCB-012/013	E1668B	1350	--	--	--	--	--
PCB-014	E1668B	34.6 U	--	--	--	--	--
PCB-015	E1668B	7050	--	--	--	--	--
PCB-016	E1668B	6030	--	--	--	--	--
PCB-017	E1668B	7250	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2024	Spring Surface Sediment 2025	Spring Surface Sediment 2026	Spring Surface Sediment 2027	Spring Surface Sediment 2028	Spring Surface Sediment 2029
Tributary		Dutch Kills	East Branch	East Branch	East Branch	East Branch	East Branch
River Mile		0.55	0.01	0.01	0.1	0.1	0.1
Location ID		DK011SG_20120502	NC080SG_20120504	NC080SG_20120504	EB001SG_20120417	EB001SG_20120417	EB002SG_20120417
Sample ID		DK011SG-000015-20120502	NC080SG-000003-20120504	NC080SG-000015-20120504	EB001SG-000015-20120417	EB1001SG-000015-20120417	EB002SG-000015-20120417
Sample Date		5/2/2012	5/4/2012	5/4/2012	4/17/2012	4/17/2012	4/17/2012
Sample Depth		0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		13.2	8.8	8.8	6.7	6.7	13.9
Sample Type		N	N	N	N	FD	N
Matrix		SE	SE	SE	SE	SE	SE
PCB-018/030	E1668B	13200	--	--	--	--	--
PCB-019	E1668B	2080	--	--	--	--	--
PCB-020/028	E1668B	23700	--	--	--	--	--
PCB-021/033	E1668B	9320	--	--	--	--	--
PCB-022	E1668B	7620	--	--	--	--	--
PCB-023	E1668B	25 J	--	--	--	--	--
PCB-024	E1668B	239	--	--	--	--	--
PCB-025	E1668B	2290	--	--	--	--	--
PCB-026/029	E1668B	3910	--	--	--	--	--
PCB-027	E1668B	1490	--	--	--	--	--
PCB-031	E1668B	18800 J	--	--	--	--	--
PCB-032	E1668B	5440	--	--	--	--	--
PCB-034	E1668B	126	--	--	--	--	--
PCB-035	E1668B	458	--	--	--	--	--
PCB-036	E1668B	24.7 U	--	--	--	--	--
PCB-037	E1668B	6360	--	--	--	--	--
PCB-038	E1668B	25.2 U	--	--	--	--	--
PCB-039	E1668B	131	--	--	--	--	--
PCB-040/071	E1668B	10300	--	--	--	--	--
PCB-041	E1668B	2020	--	--	--	--	--
PCB-042	E1668B	6250	--	--	--	--	--
PCB-043	E1668B	753	--	--	--	--	--
PCB-044/047/065	E1668B	23600	--	--	--	--	--
PCB-045	E1668B	--	--	--	--	--	--
PCB-045/051	E1668B	5810	--	--	--	--	--
PCB-046	E1668B	1720	--	--	--	--	--
PCB-048	E1668B	3900	--	--	--	--	--
PCB-049/069	E1668B	14200	--	--	--	--	--
PCB-050/053	E1668B	4220	--	--	--	--	--
PCB-051	E1668B	--	--	--	--	--	--
PCB-052	E1668B	28500 J	--	--	--	--	--
PCB-054	E1668B	143	--	--	--	--	--
PCB-055	E1668B	299	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2024	Spring Surface Sediment 2025	Spring Surface Sediment 2026	Spring Surface Sediment 2027	Spring Surface Sediment 2028	Spring Surface Sediment 2029
Tributary		Dutch Kills	East Branch	East Branch	East Branch	East Branch	East Branch
River Mile		0.55	0.01	0.01	0.1	0.1	0.1
Location ID		DK011SG_20120502	NC080SG_20120504	NC080SG_20120504	EB001SG_20120417	EB001SG_20120417	EB002SG_20120417
Sample ID		DK011SG-000015-20120502	NC080SG-000003-20120504	NC080SG-000015-20120504	EB001SG-000015-20120417	EB1001SG-000015-20120417	EB002SG-000015-20120417
Sample Date		5/2/2012	5/4/2012	5/4/2012	4/17/2012	4/17/2012	4/17/2012
Sample Depth		0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		13.2	8.8	8.8	6.7	6.7	13.9
Sample Type		N	N	N	N	FD	N
Matrix		SE	SE	SE	SE	SE	SE
PCB-056	E1668B	8660	--	--	--	--	--
PCB-057	E1668B	1130	--	--	--	--	--
PCB-058	E1668B	45.7	--	--	--	--	--
PCB-059/062/075	E1668B	1880	--	--	--	--	--
PCB-060	E1668B	4300	--	--	--	--	--
PCB-061/070/074/076	E1668B	33500	--	--	--	--	--
PCB-063	E1668B	765	--	--	--	--	--
PCB-064	E1668B	8280	--	--	--	--	--
PCB-066	E1668B	19600 J	--	--	--	--	--
PCB-067	E1668B	603	--	--	--	--	--
PCB-068	E1668B	179	--	--	--	--	--
PCB-072	E1668B	245	--	--	--	--	--
PCB-073	E1668B	24 U	--	--	--	--	--
PCB-077	E1668B	2200	--	--	--	--	--
PCB-078	E1668B	62.2 U	--	--	--	--	--
PCB-079	E1668B	785	--	--	--	--	--
PCB-080	E1668B	55.2 U	--	--	--	--	--
PCB-081	E1668B	111	--	--	--	--	--
PCB-082	E1668B	4720	--	--	--	--	--
PCB-083	E1668B	1730	--	--	--	--	--
PCB-084	E1668B	9210	--	--	--	--	--
PCB-085/116	E1668B	--	--	--	--	--	--
PCB-085/116/117	E1668B	6030	--	--	--	--	--
PCB-086/087/097/108/119/125	E1668B	15000	--	--	--	--	--
PCB-088	E1668B	--	--	--	--	--	--
PCB-088/091	E1668B	5340	--	--	--	--	--
PCB-089	E1668B	460	--	--	--	--	--
PCB-090/101/113	E1668B	40000	--	--	--	--	--
PCB-091	E1668B	--	--	--	--	--	--
PCB-092	E1668B	6900	--	--	--	--	--
PCB-093/100	E1668B	402	--	--	--	--	--
PCB-094	E1668B	262	--	--	--	--	--
PCB-095	E1668B	29200 J	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2024	Spring Surface Sediment 2025	Spring Surface Sediment 2026	Spring Surface Sediment 2027	Spring Surface Sediment 2028	Spring Surface Sediment 2029
		Tributary	Dutch Kills	East Branch	East Branch	East Branch	East Branch	East Branch
		River Mile	0.55	0.01	0.01	0.1	0.1	0.1
		Location ID	DK011SG_20120502	NC080SG_20120504	NC080SG_20120504	EB001SG_20120417	EB001SG_20120417	EB002SG_20120417
		Sample ID	DK011SG-000015-20120502	NC080SG-000003-20120504	NC080SG-000015-20120504	EB001SG-000015-20120417	EB1001SG-000015-20120417	EB002SG-000015-20120417
		Sample Date	5/2/2012	5/4/2012	5/4/2012	4/17/2012	4/17/2012	4/17/2012
		Sample Depth	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	13.2	8.8	8.8	6.7	6.7	13.9
		Sample Type	N	N	N	N	FD	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-096	E1668B		384	--	--	--	--	--
PCB-098	E1668B		--	--	--	--	--	--
PCB-098/102	E1668B		1130	--	--	--	--	--
PCB-099	E1668B		17800	--	--	--	--	--
PCB-102	E1668B		--	--	--	--	--	--
PCB-103	E1668B		578	--	--	--	--	--
PCB-104	E1668B		49.1 J	--	--	--	--	--
PCB-105	E1668B		16700	--	--	--	--	--
PCB-106	E1668B		51.7 U	--	--	--	--	--
PCB-107/124	E1668B		1490	--	--	--	--	--
PCB-109	E1668B		2680	--	--	--	--	--
PCB-110	E1668B		--	--	--	--	--	--
PCB-110/115	E1668B		44800 J	--	--	--	--	--
PCB-111	E1668B		45.5 U	--	--	--	--	--
PCB-112	E1668B		47.3 U	--	--	--	--	--
PCB-114	E1668B		864	--	--	--	--	--
PCB-115	E1668B		--	--	--	--	--	--
PCB-117	E1668B		--	--	--	--	--	--
PCB-118	E1668B		37600 J	--	--	--	--	--
PCB-120	E1668B		93 J	--	--	--	--	--
PCB-121	E1668B		47.4 U	--	--	--	--	--
PCB-122	E1668B		461	--	--	--	--	--
PCB-123	E1668B		693	--	--	--	--	--
PCB-126	E1668B		635	--	--	--	--	--
PCB-127	E1668B		51.8 U	--	--	--	--	--
PCB-128/166	E1668B		10300	--	--	--	--	--
PCB-129/138/163	E1668B		87100 J	--	--	--	--	--
PCB-130	E1668B		4120	--	--	--	--	--
PCB-131	E1668B		820	--	--	--	--	--
PCB-132	E1668B		24500 J	--	--	--	--	--
PCB-133	E1668B		1050	--	--	--	--	--
PCB-134	E1668B		3980	--	--	--	--	--
PCB-135/151	E1668B		31400	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2024	Spring Surface Sediment 2025	Spring Surface Sediment 2026	Spring Surface Sediment 2027	Spring Surface Sediment 2028	Spring Surface Sediment 2029
Tributary		Dutch Kills	East Branch	East Branch	East Branch	East Branch	East Branch
River Mile		0.55	0.01	0.01	0.1	0.1	0.1
Location ID		DK011SG_20120502	NC080SG_20120504	NC080SG_20120504	EB001SG_20120417	EB001SG_20120417	EB002SG_20120417
Sample ID		DK011SG-000015-20120502	NC080SG-000003-20120504	NC080SG-000015-20120504	EB001SG-000015-20120417	EB1001SG-000015-20120417	EB002SG-000015-20120417
Sample Date		5/2/2012	5/4/2012	5/4/2012	4/17/2012	4/17/2012	4/17/2012
Sample Depth		0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		13.2	8.8	8.8	6.7	6.7	13.9
Sample Type		N	N	N	N	FD	N
Matrix		SE	SE	SE	SE	SE	SE
PCB-136	E1668B	10300	--	--	--	--	--
PCB-137	E1668B	2110	--	--	--	--	--
PCB-139/140	E1668B	944	--	--	--	--	--
PCB-141	E1668B	18500	--	--	--	--	--
PCB-142	E1668B	91.9 U	--	--	--	--	--
PCB-143	E1668B	79.8 U	--	--	--	--	--
PCB-144	E1668B	4600	--	--	--	--	--
PCB-145	E1668B	31.7 U	--	--	--	--	--
PCB-146	E1668B	12300	--	--	--	--	--
PCB-147/149	E1668B	71700 J	--	--	--	--	--
PCB-148	E1668B	120	--	--	--	--	--
PCB-150	E1668B	273	--	--	--	--	--
PCB-152	E1668B	80.9 J	--	--	--	--	--
PCB-153/168	E1668B	78600 J	--	--	--	--	--
PCB-154	E1668B	1260	--	--	--	--	--
PCB-155	E1668B	33.4	--	--	--	--	--
PCB-156/157	E1668B	8390	--	--	--	--	--
PCB-158	E1668B	8540	--	--	--	--	--
PCB-159	E1668B	53 U	--	--	--	--	--
PCB-160	E1668B	69.9 U	--	--	--	--	--
PCB-161	E1668B	63.6 U	--	--	--	--	--
PCB-162	E1668B	48.8 U	--	--	--	--	--
PCB-164	E1668B	6350	--	--	--	--	--
PCB-165	E1668B	71.2 U	--	--	--	--	--
PCB-167	E1668B	3130	--	--	--	--	--
PCB-169	E1668B	552 J	--	--	--	--	--
PCB-170	E1668B	31900 J	--	--	--	--	--
PCB-171/173	E1668B	9220	--	--	--	--	--
PCB-172	E1668B	5480	--	--	--	--	--
PCB-174	E1668B	34400 J	--	--	--	--	--
PCB-175	E1668B	1340	--	--	--	--	--
PCB-176	E1668B	3970	--	--	--	--	--
PCB-177	E1668B	18400	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2024	Spring Surface Sediment 2025	Spring Surface Sediment 2026	Spring Surface Sediment 2027	Spring Surface Sediment 2028	Spring Surface Sediment 2029
		Tributary	Dutch Kills	East Branch	East Branch	East Branch	East Branch	East Branch
		River Mile	0.55	0.01	0.01	0.1	0.1	0.1
		Location ID	DK011SG_20120502	NC080SG_20120504	NC080SG_20120504	EB001SG_20120417	EB001SG_20120417	EB002SG_20120417
		Sample ID	DK011SG-000015-20120502	NC080SG-000003-20120504	NC080SG-000015-20120504	EB001SG-000015-20120417	EB1001SG-000015-20120417	EB002SG-000015-20120417
		Sample Date	5/2/2012	5/4/2012	5/4/2012	4/17/2012	4/17/2012	4/17/2012
		Sample Depth	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	13.2	8.8	8.8	6.7	6.7	13.9
		Sample Type	N	N	N	N	FD	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-178	E1668B		6560	--	--	--	--	--
PCB-179	E1668B		14300	--	--	--	--	--
PCB-180/193	E1668B		74500 J	--	--	--	--	--
PCB-181	E1668B		159	--	--	--	--	--
PCB-182	E1668B		49 U	--	--	--	--	--
PCB-183	E1668B		--	--	--	--	--	--
PCB-183/185	E1668B		20900	--	--	--	--	--
PCB-184	E1668B		41.3 U	--	--	--	--	--
PCB-185	E1668B		--	--	--	--	--	--
PCB-186	E1668B		38.9 U	--	--	--	--	--
PCB-187	E1668B		46500 J	--	--	--	--	--
PCB-188	E1668B		83.3 J	--	--	--	--	--
PCB-189	E1668B		1270	--	--	--	--	--
PCB-190	E1668B		7130	--	--	--	--	--
PCB-191	E1668B		1300	--	--	--	--	--
PCB-192	E1668B		45.9 U	--	--	--	--	--
PCB-194	E1668B		21100 J	--	--	--	--	--
PCB-195	E1668B		8240	--	--	--	--	--
PCB-196	E1668B		10200	--	--	--	--	--
PCB-197	E1668B		--	--	--	--	--	--
PCB-197/200	E1668B		3070	--	--	--	--	--
PCB-198/199	E1668B		23100	--	--	--	--	--
PCB-200	E1668B		--	--	--	--	--	--
PCB-201	E1668B		2400	--	--	--	--	--
PCB-202	E1668B		3920	--	--	--	--	--
PCB-203	E1668B		14100	--	--	--	--	--
PCB-204	E1668B		30.2 U	--	--	--	--	--
PCB-205	E1668B		1040	--	--	--	--	--
PCB-206	E1668B		8000	--	--	--	--	--
PCB-207	E1668B		822	--	--	--	--	--
PCB-208	E1668B		2210	--	--	--	--	--
PCB-209	E1668B		2940	--	--	--	--	--
Total PCB congener (U = 0)	--		1342542.4 J	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2024	Spring Surface Sediment 2025	Spring Surface Sediment 2026	Spring Surface Sediment 2027	Spring Surface Sediment 2028	Spring Surface Sediment 2029
Tributary		Dutch Kills	East Branch	East Branch	East Branch	East Branch	East Branch
River Mile		0.55	0.01	0.01	0.1	0.1	0.1
Location ID		DK011SG_20120502	NC080SG_20120504	NC080SG_20120504	EB001SG_20120417	EB001SG_20120417	EB002SG_20120417
Sample ID		DK011SG-000015-20120502	NC080SG-000003-20120504	NC080SG-000015-20120504	EB001SG-000015-20120417	EB1001SG-000015-20120417	EB002SG-000015-20120417
Sample Date		5/2/2012	5/4/2012	5/4/2012	4/17/2012	4/17/2012	4/17/2012
Sample Depth		0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		13.2	8.8	8.8	6.7	6.7	13.9
Sample Type		N	N	N	N	FD	N
Matrix		SE	SE	SE	SE	SE	SE
Total PCB congener (U = 1/2)	--	1343134.8 J	--	--	--	--	--
Total PCB congener TEQ 1998 (avian) (U = 0)	--	188.17433 J	--	--	--	--	--
Total PCB congener TEQ 1998 (avian) (U = 1/2)	--	188.17433 J	--	--	--	--	--
Total PCB congener TEQ 1998 (fish) (U = 0)	--	3.821335 J	--	--	--	--	--
Total PCB congener TEQ 1998 (fish) (U = 1/2)	--	3.821335 J	--	--	--	--	--
Total PCB congener TEQ 2005 (mammal) (U = 0)	--	82.37271 J	--	--	--	--	--
Total PCB congener TEQ 2005 (mammal) (U = 1/2)	--	82.37271 J	--	--	--	--	--
Total Petroleum Hydrocarbons (mg/kg)							
Diesel range organics (C10 - C28)	SW8015M	4500	--	14900	5310	3900	4360 J
Phytane	SW8015M	6.05	--	19.7	6 J	4.29 J	4.31 J
Pristane	SW8015M	5.56	--	33.9	6.19	4.25	4.7 J
Total petroleum hydrocarbons (C9-C40)	SW8015M	9920	--	25900	10600	7390	8640 J
Radionuclides (pci/g)							
Beryllium 7	HASL300	--	1.545	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task	Spring Surface Sediment 2030	Spring Surface Sediment 2031	Spring Surface Sediment 2032	Spring Surface Sediment 2033	Spring Surface Sediment 2034	Spring Surface Sediment 2035	
Tributary	East Branch	East Branch	East Branch	East Branch	East Branch	East Branch	
River Mile	0.1	0.16	0.16	0.16	0.18	0.23	
Location ID	EB003SG_20120417	EB004SG_20120507	EB005SG_20120420	EB005SG_20120420	EB006SG_20120507	EB007SG_20120507	
Sample ID	EB003SG-000010-20120417	EB004SG-000015-20120507	EB005SG-000003-20120420	EB005SG-000015-20120420	EB006SG-000015-20120507	EB007SG-000012-20120507	
Sample Date	4/17/2012	5/7/2012	4/20/2012	4/20/2012	5/7/2012	5/7/2012	
Sample Depth	0 - 10 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 12 cm	
Water Column Depth	9.5	9.9	6.1	6.1	17.9	13.7	
Sample Type	N	N	N	N	N	N	
Matrix	SE	SE	SE	SE	SE	SE	
Conventional Parameters (lb/ft³)							
Density	D7263	15.8	9.3	--	10.8	10.6	13.9
Conventional Parameters (mg/kg)							
Ammonia as nitrogen	SM4500NH3H	200	75 J	--	480	100 J	89 J
Cyanide, total	SW9012A	4.9 U	7 U	--	5.7 U	6.3 U	5.3 U
Nitrate + nitrite as nitrogen	SM4500NO3F	24 U	18 U	--	15 U	15 U	13 U
Nitrogen ((No Suggestions))	SM4500NORGC	9500 J	5600	--	7300	7200	7900
Phosphorus	SM4500PE	1600 J	2000 J	--	2100 J	2100 J	1300 J
Sulfide	SW9030B	9500	17000 J	--	15000	15000 J	11000 J
Conventional Parameters (pct)							
Moisture (water) content	D2216	--	--	--	528.5	554.1	--
Moisture, percent	D2216	--	--	--	84.1	88.2	--
Soot carbon	SOOTC	0.742 J	0.199	--	0.183 J	0.358	0.435
Total organic carbon	SW9060	7.945 J	6.075	--	8.07	8.92	10.7
Total solids	SM2540G	19.5	14.3	--	16	16.2	18.8
Conventional Parameters (SU)							
pH	SW9045C	7.2	8.1	--	8.2	8.1	7.9
Conventional Parameters (unitless)							
Liquid limit	D4318	--	--	--	244	168	--
Plastic limit	D4318	--	--	--	68	72	--
Plasticity index	D4318	--	--	--	176	5	--
Specific gravity	D854	--	--	--	2.05	2.18	--
Grain Size (pct)							
Cobbles	D422	0	0	--	0	0	0
Gravel	D422	0.1	0.5	--	10.8	0.4	8.8
Sand	D422	18.2	6.8 J	--	30.3	19.2	22.3
Fines (silt + clay)	D422	81.7	92.7	--	58.9	80.4	68.9
Percent passing 0.375 inch (3/8 inch sieve)	D422	100	100	--	97	100	94
Percent passing 0.5 inch (1/2 inch sieve)	D422	--	--	--	98	--	96
Percent passing 0.75 inch (3/4 inch sieve)	D422	--	--	--	100	--	100
Percent passing 1 inch (1 inch sieve)	D422	--	--	--	--	--	--
Percent passing 75 micron sieve (#200)	D422	82	93	--	59	80	69
Percent passing 150 micron sieve (#100)	D422	89	95	--	63	88	76

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2030	Spring Surface Sediment 2031	Spring Surface Sediment 2032	Spring Surface Sediment 2033	Spring Surface Sediment 2034	Spring Surface Sediment 2035
Tributary		East Branch	East Branch	East Branch	East Branch	East Branch	East Branch
River Mile		0.1	0.16	0.16	0.16	0.18	0.23
Location ID		EB003SG_20120417	EB004SG_20120507	EB005SG_20120420	EB005SG_20120420	EB006SG_20120507	EB007SG_20120507
Sample ID		EB003SG-000010-20120417	EB004SG-000015-20120507	EB005SG-000003-20120420	EB005SG-000015-20120420	EB006SG-000015-20120507	EB007SG-000012-20120507
Sample Date		4/17/2012	5/7/2012	4/20/2012	4/20/2012	5/7/2012	5/7/2012
Sample Depth		0 - 10 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 12 cm
Water Column Depth		9.5	9.9	6.1	6.1	17.9	13.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Percent passing 250 micron sieve (#60)	D422	93	96	--	66	91	81
Percent passing 425 micron sieve (#40)	D422	94	97	--	68	93	83
Percent passing 850 micron sieve (#20)	D422	98	98	--	72	96	85
Percent passing 2000 micron sieve (#10)	D422	100	99	--	85	98	88
Percent passing 4750 micron sieve (#4)	D422	100	100	--	89	100	91
Metals (mg/kg)							
Aluminum	SW6020A	10200	10200 J	--	7820	8940 J	5360 J
Antimony	SW6020A	2.3 J	3.68 J	--	2.37 J	4.13 J	3.94 J
Arsenic	SW6020A	15.2	16.8	--	16.5	12.8	6.75
Barium	SW6020A	150	183	--	152 J	188	112
Beryllium	SW6020A	0.481	1.16	--	0.886	0.547 J	0.327 J
Cadmium	SW6020A	6.39	9.35 J	--	7.58 J	7.12 J	3.07 J
Calcium	SW6020A	14400 J	20100	--	16400 J	21400	14300
Chromium	SW6020A	84.8 J	98.9 J	--	117 J	85.5 J	52.2 J
Cobalt	SW6020A	8.3 J	11.3	--	9.08 J	9.61	5.75
Copper	SW6020A	403	523	--	392 J	468	265
Iron	SW6020A	26200	31800	--	26900	31500	21200
Lead	SW6020A	345 J	471	--	377	469	525
Magnesium	SW6020A	13500	15000	--	12600	14300	10200
Manganese	SW6020A	138	158	--	129 J	162	89
Mercury	E1631M	1.66	2.06 J	--	1.51 J	1.28 J	1.62 J
Nickel	SW6020A	57.9	71	--	55 J	60.9	29.1
Potassium	SW6020A	3640 J	3450	--	2810 J	3070	2100
Selenium	SW6020A	2.97	4.16	--	3.91	2.64 J	2.54
Silver	SW6020A	3.12 J	5.4	--	3.3	3.23	3.68
Sodium	SW6020A	34000	33800 J	--	31300 J	38500 J	32100 J
Thallium	SW6020A	0.226 J	1.6	--	0.724	0.456 J	0.151 J
Tin	SW6020A	28	39.9	--	33.6	34.1	44.2
Vanadium	SW6020A	49.1	55.9 J	--	54.4	46.8 J	29.3 J
Zinc	SW6020A	1280	1540 J	--	1540 J	1310 J	822 J
Organometallic Compounds (µg/kg)							
Methyl mercury	E1630M	--	--	--	0.597 UJ	0.338 J	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2030	Spring Surface Sediment 2031	Spring Surface Sediment 2032	Spring Surface Sediment 2033	Spring Surface Sediment 2034	Spring Surface Sediment 2035
Tributary		East Branch	East Branch	East Branch	East Branch	East Branch	East Branch
River Mile		0.1	0.16	0.16	0.16	0.18	0.23
Location ID		EB003SG_20120417	EB004SG_20120507	EB005SG_20120420	EB005SG_20120420	EB006SG_20120507	EB007SG_20120507
Sample ID		EB003SG-000010-20120417	EB004SG-000015-20120507	EB005SG-000003-20120420	EB005SG-000015-20120420	EB006SG-000015-20120507	EB007SG-000012-20120507
Sample Date		4/17/2012	5/7/2012	4/20/2012	4/20/2012	5/7/2012	5/7/2012
Sample Depth		0 - 10 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 12 cm
Water Column Depth		9.5	9.9	6.1	6.1	17.9	13.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Volatile Organics (µg/kg)							
1,1,1-Trichloroethane	SW8260B	5 U	6.6 U	--	580 U	6.2 U	5.3 U
1,1,2,2-Tetrachloroethane	SW8260B	5 U	6.6 U	--	580 U	6.2 U	5.3 U
1,1,2-Trichloroethane	SW8260B	7.5 U	9.9 U	--	860 U	9.2 U	8 U
1,1,2-Trichlorotrifluoroethane	SW8260B	100 U	130 U	--	12000 U	120 U	110 U
1,1-Dichloroethane	SW8260B	7.5 U	9.9 U	--	860 U	9.2 U	8 U
1,1-Dichloroethene	SW8260B	5 U	6.6 U	--	580 U	6.2 U	5.3 U
1,2,3-Trichlorobenzene	SW8260B	25 U	33 UJ	--	2900 U	31 U	26 U
1,2,4-Trichlorobenzene	SW8260B	25 U	33 UJ	--	2900 U	31 U	26 U
1,2-Dibromo-3-chloropropane	SW8260B	25 U	33 U	--	2900 UJ	31 UJ	26 UJ
1,2-Dichlorobenzene	SW8260B	25 U	33 U	--	2900 U	31 U	26 U
1,2-Dichloroethane	SW8260B	5 U	6.6 U	--	580 U	6.2 U	5.3 U
1,2-Dichloroethene, cis-	SW8260B	5 U	6.6 U	--	580 U	3.4 J	5.3 U
1,2-Dichloroethene, trans-	SW8260B	7.5 U	9.9 U	--	860 U	9.2 U	8 U
1,2-Dichloropropane	SW8260B	18 U	23 U	--	2000 U	22 U	19 U
1,3-Dichlorobenzene	SW8260B	25 U	33 U	--	2900 U	31 U	26 U
1,3-Dichloropropene, cis-	SW8260B	5 U	6.6 U	--	580 U	6.2 U	5.3 U
1,3-Dichloropropene, trans-	SW8260B	5 U	6.6 U	--	580 U	6.2 U	5.3 U
1,4-Dichlorobenzene	SW8260B	2.8 J	4.2 J	--	2900 U	20 J	160
2-Butanone (MEK)	SW8260B	250	200 J	--	5800 U	360	260
2-Hexanone (methyl butyl ketone)	SW8260B	50 U	66 U	--	5800 U	62 U	53 U
Acetone	SW8260B	1300 J	800 J	--	21000 U	1400 J	1000
Benzene	SW8260B	5 U	1.8 J	--	580 U	1.3 J	2.2 J
Bromochloromethane	SW8260B	25 U	33 U	--	2900 U	31 U	26 U
Bromodichloromethane	SW8260B	5 U	6.6 U	--	580 U	6.2 U	5.3 U
Bromoform (tribromomethane)	SW8260B	20 U	26 U	--	2300 U	25 U	21 U
Bromomethane (methyl bromide)	SW8260B	10 U	13 U	--	1200 U	12 UJ	11 UJ
Carbon disulfide	SW8260B	51 J	120 J	--	5800 UJ	280	230
Carbon tetrachloride (tetrachloromethane)	SW8260B	5 U	6.6 U	--	580 U	6.2 U	5.3 U
Chlorobenzene	SW8260B	1.4 J	6.6 U	--	580 U	26	5.3 U
Chloroethane	SW8260B	10 U	13 U	--	1200 U	12 U	11 U
Chloroform	SW8260B	7.5 U	9.9 U	--	860 U	9.2 U	8 U

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2030	Spring Surface Sediment 2031	Spring Surface Sediment 2032	Spring Surface Sediment 2033	Spring Surface Sediment 2034	Spring Surface Sediment 2035
Task		East Branch	East Branch	East Branch	East Branch	East Branch	East Branch
Tributary		0.1	0.16	0.16	0.16	0.18	0.23
River Mile							
Location ID		EB003SG_20120417	EB004SG_20120507	EB005SG_20120420	EB005SG_20120420	EB006SG_20120507	EB007SG_20120507
Sample ID		EB003SG-000010-20120417	EB004SG-000015-20120507	EB005SG-000003-20120420	EB005SG-000015-20120420	EB006SG-000015-20120507	EB007SG-000012-20120507
Sample Date		4/17/2012	5/7/2012	4/20/2012	4/20/2012	5/7/2012	5/7/2012
Sample Depth		0 - 10 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 12 cm
Water Column Depth		9.5	9.9	6.1	6.1	17.9	13.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Chloromethane	SW8260B	25 U	33 U	--	2900 U	31 U	26 U
Cyclohexane	SW8260B	100 U	-- R	--	12000 U	120 U	110 U
Dibromochloromethane	SW8260B	5 U	6.6 U	--	580 U	6.2 U	5.3 U
Dichlorodifluoromethane	SW8260B	50 UJ	66 U	--	5800 UJ	62 U	53 U
Dichloromethane (methylene chloride)	SW8260B	50 U	66 U	--	5800 UJ	62 U	53 U
Ethylbenzene	SW8260B	5 U	6.6 U	--	580 U	6.2 U	3.4 J
Ethylene dibromide (1,2-Dibromoethane)	SW8260B	20 U	26 U	--	2300 U	25 U	21 U
Isopropylbenzene (cumene)	SW8260B	5 U	6.6 U	--	580 U	3.4 J	3.8 J
m,p-Xylene	SW8260B	10 U	13 U	--	1200 U	12 U	11 U
Methyl acetate	SW8260B	100 U	-- R	--	12000 U	120 U	110 U
Methyl isobutyl ketone (4-methyl-2-pentanone [MIBK])	SW8260B	50 U	66 U	--	5800 U	62 U	53 U
Methyl tert-butyl ether (MTBE)	SW8260B	10 U	65	--	1200 U	12 U	11 U
Methylcyclohexane	SW8260B	20 U	26 U	--	2300 U	52	21 U
o-Xylene	SW8260B	10 U	13 U	--	1200 U	4.3 J	11 U
Styrene	SW8260B	10 U	13 U	--	1200 U	12 U	11 U
Tetrachloroethene (PCE)	SW8260B	5 U	6.6 U	--	580 U	6.2 U	5.3 U
Toluene	SW8260B	7.5 U	9.9 U	--	860 U	9.2 U	5 J
Total BTEX (U = 0)	--	10 U	1.8 J	--	1200 U	5.6 J	10.6 J
Total BTEX (U = 1/2)	--	10 U	23.1 J	--	1200 U	19.3 J	21.6 J
Total xylene (U = 0)	--	10 U	13 U	--	1200 U	4.3 J	11 U
Total xylene (U = 1/2)	--	10 U	13 U	--	1200 U	10.3 J	11 U
Trichloroethene (TCE)	SW8260B	5 U	6.6 U	--	580 U	6.2 U	5.3 U
Trichlorofluoromethane (fluorotrichloromethane)	SW8260B	25 U	33 U	--	2900 U	31 U	26 U
Vinyl acetate	SW8260B	50 U	66 UJ	--	5800 U	62 U	53 U
Vinyl chloride	SW8260B	10 U	13 U	--	1200 U	12 U	11 U
Semivolatile Organics (µg/kg)							
1,2,4,5-Tetrachlorobenzene	SW8270C	3000 U	4000 U	--	4200 U	3500 U	3300 U
1,4-Dioxane	SW8270C	6000 U	8000 U	--	8500 U	7000 U	6600 U
2,3,4,6-Tetrachlorophenol	SW8270C	3000 UJ	4000 U	--	4200 U	3500 U	3300 U
2,4,5-Trichlorophenol	SW8270C	3000 U	4000 U	--	4200 U	3500 U	3300 U
2,4,6-Trichlorophenol	SW8270C	3000 U	4000 U	--	4200 U	3500 U	3300 U

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2030	Spring Surface Sediment 2031	Spring Surface Sediment 2032	Spring Surface Sediment 2033	Spring Surface Sediment 2034	Spring Surface Sediment 2035
Tributary		East Branch	East Branch	East Branch	East Branch	East Branch	East Branch
River Mile		0.1	0.16	0.16	0.16	0.18	0.23
Location ID		EB003SG_20120417	EB004SG_20120507	EB005SG_20120420	EB005SG_20120420	EB006SG_20120507	EB007SG_20120507
Sample ID		EB003SG-000010-20120417	EB004SG-000015-20120507	EB005SG-000003-20120420	EB005SG-000015-20120420	EB006SG-000015-20120507	EB007SG-000012-20120507
Sample Date		4/17/2012	5/7/2012	4/20/2012	4/20/2012	5/7/2012	5/7/2012
Sample Depth		0 - 10 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 12 cm
Water Column Depth		9.5	9.9	6.1	6.1	17.9	13.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
2,4-Dichlorophenol	SW8270C	600 U	810 U	--	850 U	700 U	660 U
2,4-Dimethylphenol	SW8270C	3000 U	-- R	--	4200 U	-- R	-- R
2,4-Dinitrophenol	SW8270C	15000 U	21000 U	--	22000 U	18000 U	17000 U
2,4-Dinitrotoluene	SW8270C	3000 U	4000 U	--	4200 U	3500 U	3300 U
2,6-Dinitrotoluene	SW8270C	3000 UJ	4000 U	--	4200 U	3500 U	3300 U
2-Chloronaphthalene	SW8270C	600 U	810 UJ	--	850 U	700 U	660 U
2-Chlorophenol	SW8270C	3000 U	4000 U	--	4200 U	3500 U	3300 U
2-Methylnaphthalene	SW8270C	280 J	130 J	--	500 J	150 J	120 J
2-Methylphenol (o-Cresol)	SW8270C	3000 U	4000 UJ	--	4200 U	3500 UJ	3300 UJ
2-Nitroaniline	SW8270C	15000 U	21000 U	--	22000 U	18000 U	17000 U
2-Nitrophenol	SW8270C	3000 U	4000 U	--	4200 U	3500 U	3300 U
3,3'-Dichlorobenzidine	SW8270C	3000 U	4000 U	--	4200 U	3500 U	3300 U
3-methylphenol and 4-methylphenol (m&p-cresol)	SW8270C	3000 U	4000 U	--	4200 U	3500 U	3300 U
3-Nitroaniline	SW8270C	15000 U	21000 U	--	22000 U	18000 U	17000 U
4-Bromophenyl-phenyl ether	SW8270C	3000 U	4000 U	--	4200 U	3500 U	3300 U
4-Chloro-3-methylphenol	SW8270C	3000 U	4000 U	--	4200 U	3500 U	3300 U
4-Chloroaniline	SW8270C	550 J	440 J	--	4200 U	320 J	370 J
4-Chlorophenyl phenyl ether	SW8270C	3000 U	4000 U	--	4200 U	3500 U	3300 U
4-Nitroaniline	SW8270C	15000 UJ	21000 U	--	22000 U	18000 U	17000 U
4-Nitrophenol	SW8270C	15000 UJ	21000 UJ	--	22000 U	18000 UJ	17000 UJ
Acenaphthene	SW8270C	570 J	270 J	--	1600	1900 J	270 J
Acenaphthylene	SW8270C	500 J	270 J	--	990	200 J	130 J
Acetophenone	SW8270C	3000 U	4000 U	--	440 J	3500 U	3300 U
Anthracene	SW8270C	1100	610 J	--	2600	830	490 J
Atrazine	SW8270C	3000 U	4000 U	--	4200 U	3500 U	3300 U
Benzaldehyde	SW8270C	2100 J	2500 J	--	3000 J	2200 J	2000 J
Benzo(a)anthracene	SW8270C	3600 J	2800 J	--	10000	2500 J	2000 J
Benzo(a)pyrene	SW8270C	4100 J	3800 J	--	9500	2100 J	1900 J
Benzo(b)fluoranthene	SW8270C	5800 J	6000 J	--	12000	4600 J	4300 J
Benzo(g,h,i)perylene	SW8270C	3100 J	1900 J	--	6600	1200 J	1200 J
Benzo(k)fluoranthene	SW8270C	2000 J	2000 J	--	4500	1500 J	700 J
Biphenyl (1,1'-Biphenyl)	SW8270C	3000 U	4000 UJ	--	4200 U	3500 UJ	3300 UJ

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2030	Spring Surface Sediment 2031	Spring Surface Sediment 2032	Spring Surface Sediment 2033	Spring Surface Sediment 2034	Spring Surface Sediment 2035
Tributary		East Branch	East Branch	East Branch	East Branch	East Branch	East Branch
River Mile		0.1	0.16	0.16	0.16	0.18	0.23
Location ID		EB003SG_20120417	EB004SG_20120507	EB005SG_20120420	EB005SG_20120420	EB006SG_20120507	EB007SG_20120507
Sample ID		EB003SG-000010-20120417	EB004SG-000015-20120507	EB005SG-000003-20120420	EB005SG-000015-20120420	EB006SG-000015-20120507	EB007SG-000012-20120507
Sample Date		4/17/2012	5/7/2012	4/20/2012	4/20/2012	5/7/2012	5/7/2012
Sample Depth		0 - 10 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 12 cm
Water Column Depth		9.5	9.9	6.1	6.1	17.9	13.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
bis(2-Chloroethoxy)methane	SW8270C	3000 U	4000 U	--	4200 U	3500 U	3300 U
bis(2-Chloroethyl)ether	SW8270C	600 U	810 UJ	--	850 U	700 U	660 U
bis(2-Chloroisopropyl)ether	SW8270C	600 U	810 UJ	--	850 U	700 UJ	660 UJ
Bis(2-ethylhexyl)phthalate	SW8270C	38000 J	34000 J	--	130000	25000 J	30000 J
Butylbenzyl phthalate	SW8270C	1300 J	670 J	--	1600 J	840 J	3300 U
Caprolactam	SW8270C	15000 UJ	21000 U	--	22000 U	18000 U	17000 U
Carbazole	SW8270C	460 J	270 J	--	890	280 J	300 J
Chrysene	SW8270C	4700	3100 J	--	14000	2800 J	2100 J
Dibenzo(a,h)anthracene	SW8270C	2100 J	2300 J	--	3400	2100 J	1800 J
Dibenzofuran	SW8270C	3000 U	4000 U	--	4200 U	990 J	3300 U
Diethyl phthalate	SW8270C	3000 U	4000 U	--	4200 U	3500 U	3300 U
Dimethyl phthalate	SW8270C	3000 U	4000 U	--	4200 U	3500 U	3300 U
Di-n-butyl phthalate	SW8270C	890 J	710 J	--	3600 J	3500 U	3300 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)	SW8270C	15000 UJ	21000 UJ	--	22000 UJ	18000 UJ	17000 UJ
Di-n-octyl phthalate	SW8270C	810 J	820 J	--	2000 J	890 J	660 J
Fluoranthene	SW8270C	11000	7500 J	--	26000	6300	4800
Fluorene	SW8270C	380 J	810 U	--	750 J	1100 J	340 J
Hexachlorobenzene	SW8270C	600 U	810 U	--	850 U	700 U	660 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270C	600 U	810 U	--	850 U	700 U	660 U
Hexachlorocyclopentadiene	SW8270C	3000 UJ	4000 U	--	4200 UJ	3500 U	3300 U
Hexachloroethane	SW8270C	3000 U	4000 UJ	--	4200 U	3500 U	3300 U
Indeno(1,2,3-c,d)pyrene	SW8270C	3400 J	2900 J	--	6500	2400 J	2000 J
Isophorone	SW8270C	3000 U	4000 U	--	4200 U	3500 U	3300 U
Naphthalene	SW8270C	600	320 J	--	790 J	360 J	240 J
Nitrobenzene	SW8270C	6000 U	8000 U	--	8500 U	7000 U	6600 U
N-Nitrosodi-N-propylamine	SW8270C	600 U	810 UJ	--	850 U	700 UJ	660 UJ
N-Nitrosodiphenylamine	SW8270C	3000 U	4000 U	--	4200 U	3500 U	3300 U
Pentachlorophenol	SW8270C	3000 U	4000 UJ	--	4200 U	3500 UJ	3300 UJ
Phenanthrene	SW8270C	3000	1700	--	7500	3700	2200
Phenol	SW8270C	170 J	810 UJ	--	850 U	700 U	660 U
Pyrene	SW8270C	6500 J	5300 J	--	20000	4300 J	3000 J

Table A4-2
Surface Sediment Analytical Results

	Task	Spring Surface Sediment 2030	Spring Surface Sediment 2031	Spring Surface Sediment 2032	Spring Surface Sediment 2033	Spring Surface Sediment 2034	Spring Surface Sediment 2035
	Tributary	East Branch	East Branch	East Branch	East Branch	East Branch	East Branch
	River Mile	0.1	0.16	0.16	0.16	0.18	0.23
	Location ID	EB003SG_20120417	EB004SG_20120507	EB005SG_20120420	EB005SG_20120420	EB006SG_20120507	EB007SG_20120507
	Sample ID	EB003SG-000010-20120417	EB004SG-000015-20120507	EB005SG-000003-20120420	EB005SG-000015-20120420	EB006SG-000015-20120507	EB007SG-000012-20120507
	Sample Date	4/17/2012	5/7/2012	4/20/2012	4/20/2012	5/7/2012	5/7/2012
	Sample Depth	0 - 10 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 12 cm
	Water Column Depth	9.5	9.9	6.1	6.1	17.9	13.7
	Sample Type	N	N	N	N	N	N
	Matrix	SE	SE	SE	SE	SE	SE
Total cresol (o,m,p) (U = 0)	--	3000 U	4000 UJ	--	4200 U	3500 UJ	3300 UJ
Total cresol (o,m,p) (U = 1/2)	--	3000 U	4000 UJ	--	4200 U	3500 UJ	3300 UJ
Polycyclic Aromatic Hydrocarbons (µg/kg)							
1,6,7-Trimethylnaphthalene	SW8270CMSIM	223	184	--	2090	306	394
1-Methyldibenzothiophene	SW8270CMSIM	68.6	93.8	--	244	86.3 J	74.1
1-Methylnaphthalene	SW8270CMSIM	125	132	--	174	422	170
1-Methylphenanthrene	SW8270CMSIM	336	276	--	1200	804	634
2,6-Dimethylnaphthalene	SW8270CMSIM	302	242	--	927	821	650
2-Methylantracene	SW8270CMSIM	231	168	--	572	244	159
2-Methyldibenzothiophene and 3-methyldibenzothiophene	SW8270CMSIM	142	130	--	466	325	113
2-Methylnaphthalene	SW8270CMSIM	256	293 J	--	264	330	200
2-Methylphenanthrene	SW8270CMSIM	233	323	--	634	776	486
4-Methyldibenzothiophene	SW8270CMSIM	215	179	--	879	261	237
4-Methylphenanthrene and 9-methylphenanthrene	SW8270CMSIM	233	445	--	2450	798	618
Acenaphthene	SW8270CMSIM	474	280 J	--	1110	4320	521
Acenaphthylene	SW8270CMSIM	272	388 J	--	987	412	231
Anthracene	SW8270CMSIM	1010	717 J	--	2520	1260	855
Benzo(a)anthracene	SW8270CMSIM	3300	3350 J	--	8430	5580	3230
Benzo(a)pyrene	SW8270CMSIM	3870	3830 J	--	8120	4160	3300
Benzo(b)fluoranthene	SW8270CMSIM	4220	4980 J	--	8660	5530	4210
Benzo(e)pyrene	SW8270CMSIM	3180	3910	--	6760	4180	3080
Benzo(g,h,i)perylene	SW8270CMSIM	2810	3510 J	--	6130	3380	2600
Benzo(j,k)fluoranthene	SW8270CMSIM	3240	4140 J	--	7840	4500	3250
Benzonaphthothiophene	SW8270CMSIM	1310	1240	--	2690	1780	1210
Benzothiophene	SW8270CMSIM	20.7 J	23.7 J	--	142 U	35.4 J	67.2 U
Carbazole	SW8270CMSIM	400	353	--	694	549	530
Chrysene	SW8270CMSIM	3970	4320 J	--	10300	6940	4900
Decalin, cis and trans-	SW8270CMSIM	117	107	--	884	401	359
Dibenzo(a,h)anthracene and dibenzo(a,c)anthracene	SW8270CMSIM	872	1010 J	--	1530	1040	641
Dibenzothiophene	SW8270CMSIM	266	234	--	552	858	335

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2030	Spring Surface Sediment 2031	Spring Surface Sediment 2032	Spring Surface Sediment 2033	Spring Surface Sediment 2034	Spring Surface Sediment 2035
Tributary		East Branch	East Branch	East Branch	East Branch	East Branch	East Branch
River Mile		0.1	0.16	0.16	0.16	0.18	0.23
Location ID		EB003SG_20120417	EB004SG_20120507	EB005SG_20120420	EB005SG_20120420	EB006SG_20120507	EB007SG_20120507
Sample ID		EB003SG-000010-20120417	EB004SG-000015-20120507	EB005SG-000003-20120420	EB005SG-000015-20120420	EB006SG-000015-20120507	EB007SG-000012-20120507
Sample Date		4/17/2012	5/7/2012	4/20/2012	4/20/2012	5/7/2012	5/7/2012
Sample Depth		0 - 10 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 12 cm
Water Column Depth		9.5	9.9	6.1	6.1	17.9	13.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Fluoranthene	SW8270CMSIM	9150	9210 J	--	20200	16700	9210
Fluorene	SW8270CMSIM	316	246 J	--	482	2510	473
Indeno(1,2,3-c,d)pyrene	SW8270CMSIM	2720	3410 J	--	6360	3410	2520
Naphthalene	SW8270CMSIM	601	622 J	--	379	664	378
Perylene	SW8270CMSIM	883	996	--	1880	1110	849
Phenanthrene	SW8270CMSIM	3050	2330 J	--	4840	8390	4100
Pyrene	SW8270CMSIM	8910	8880 J	--	18800	13200	7850
Retene	SW8270CMSIM	51 U	56.4 U	--	142 U	828	1410
Total benzofluoranthenes (U = 0)	--	7460	9120 J	--	16500	10030	7460
Total benzofluoranthenes (U = 1/2)	--	7460	9120 J	--	16500	10030	7460
Total cPAH TEQ (USEPA 1993) (U = 0)	--	5802.37	6059.72 J	--	12083.7	6703.94	4974.4
Total cPAH TEQ (USEPA 1993) (U = 1/2)	--	5802.37	6059.72 J	--	12083.7	6703.94	4974.4
Total HPAH (9 of 16) (U = 0)	--	43062	46640 J	--	96370	64440	41711
Total HPAH (9 of 16) (U = 1/2)	--	43062	46640 J	--	96370	64440	41711
Total LPAH (7 of 16) (U = 0)	--	5979	4876 J	--	10582	17886	6758
Total LPAH (7 of 16) (U = 1/2)	--	5979	4876 J	--	10582	17886	6758
Total PAH (16) (U = 0)	--	49041	51516 J	--	106952	82326	48469
Total PAH (16) (U = 1/2)	--	49041	51516 J	--	106952	82326	48469
Alkylated Polycyclic Aromatic Hydrocarbons (µg/kg)							
C1-Benzo(a)anthracenes/chrysenes	SW8270CMSIM	2260	2920	--	5210	3020	2100
C1-Benzo(b)thiophenes	SW8270CMSIM	43.6 J	88.8	--	323	195	133
C1-Decalins	SW8270CMSIM	578	820	--	4970	952	729
C1-Dibenzothiophenes	SW8270CMSIM	473	459	--	1760	732	481
C1-Fluoranthenes/Pyrenes	SW8270CMSIM	4630	4800	--	10700	6250	3450
C1-Fluorenes	SW8270CMSIM	343	474	--	1820	755	504
C1-Naphthalenes	SW8270CMSIM	229	259	--	297	446	222
C1-Phenanthrenes/Anthracenes	SW8270CMSIM	1880	1590	--	7520	3550	2540
C2-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	1770	2320	--	3890	2260	1670
C2-Benzo(b)thiophenes	SW8270CMSIM	55.4	84.1	--	301	132	98.7
C2-Decalins	SW8270CMSIM	1160	2110	--	10300	1630	1030
C2-Dibenzothiophenes	SW8270CMSIM	1160	1560	--	3890	1230	1070
C2-Fluorenes	SW8270CMSIM	1390	2370	--	8680	1620	1540
C2-Naphthalenes	SW8270CMSIM	414	437	--	2090	1430	1100

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2030	Spring Surface Sediment 2031	Spring Surface Sediment 2032	Spring Surface Sediment 2033	Spring Surface Sediment 2034	Spring Surface Sediment 2035
Tributary		East Branch	East Branch	East Branch	East Branch	East Branch	East Branch
River Mile		0.1	0.16	0.16	0.16	0.18	0.23
Location ID		EB003SG_20120417	EB004SG_20120507	EB005SG_20120420	EB005SG_20120420	EB006SG_20120507	EB007SG_20120507
Sample ID		EB003SG-000010-20120417	EB004SG-000015-20120507	EB005SG-000003-20120420	EB005SG-000015-20120420	EB006SG-000015-20120507	EB007SG-000012-20120507
Sample Date		4/17/2012	5/7/2012	4/20/2012	4/20/2012	5/7/2012	5/7/2012
Sample Depth		0 - 10 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 12 cm
Water Column Depth		9.5	9.9	6.1	6.1	17.9	13.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
C2-Phenanthrenes/Anthracenes	SW8270CMSIM	3230	3330	--	14100	3750	3160
C3-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	1630	2030	--	3320	2220	1640
C3-Benzo(b)thiophenes	SW8270CMSIM	132	244	--	820	201	152
C3-Decalins	SW8270CMSIM	925	1570	--	8200	1100	741
C3-Dibenzothiophenes	SW8270CMSIM	1310	1920	--	3990	1410	1260
C3-Fluorenes	SW8270CMSIM	2010	3490	--	10300	2500	2110
C3-Naphthalenes	SW8270CMSIM	1090	1800	--	11800	2240	2070
C3-Phenanthrenes/Anthracenes	SW8270CMSIM	2440	2990	--	9400	2310	1920
C4-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	899	1370	--	1910	1670	1240
C4-Benzo(b)thiophenes	SW8270CMSIM	141	244	--	975	178	150
C4-Decalins	SW8270CMSIM	1500	2400	--	13500	1440	898
C4-Dibenzothiophenes	SW8270CMSIM	778	1140	--	2540	939	797
C4-Naphthalenes	SW8270CMSIM	1540	3140	--	14000	2020	1900
C4-Phenanthrenes/Anthracenes	SW8270CMSIM	1270	1310	--	3780	1160	1110
n-Alkanes and Isoprenoids (µg/kg)							
2,6,10-Trimethyldodecane	SW8015M	1280 J	692 J	--	8580 J	2400 J	1650 J
2,6,10-Trimethyltridecane	SW8015M	4150 J	4040 J	--	21600	5910 J	4330 J
n-Decane (C10)	SW8015M	3400 U	3760 U	--	9490 U	5860 U	4480 U
n-Docosane (C22)	SW8015M	3400 U	3760 U	--	2850 J	1510 J	2970 J
n-Dodecane (C12)	SW8015M	3400 U	3760 U	--	9490 U	5860 U	4480 U
n-Dotriacontane (C32)	SW8015M	4320 J	3760 U	--	33600	5710 J	6740
n-Eicosane (C20)	SW8015M	3400 U	3760 U	--	6840 J	2460 J	2960 J
n-Heneicosane (C21)	SW8015M	2170 J	1850 J	--	6800 J	3200 J	4220 J
n-Hentriacontane (C31)	SW8015M	17500 J	16800	--	14300	37400	58000
n-Heptacosane (C27)	SW8015M	3700 J	6120	--	5320 J	22400	38400
n-Heptadecane (C17)	SW8015M	1800 J	1690 J	--	4810 J	4240 J	3100 J
n-Heptatriacontane (C37)	SW8015M	1920 J	2040 J	--	4020 J	4970 J	4680
n-Hexacosane (C26)	SW8015M	2200 J	3760 U	--	4670 J	6300	9690
n-Hexadecane (C16)	SW8015M	912 J	891 J	--	3300 J	1990 J	2180 J
n-Hexatriacontane (C36)	SW8015M	3070 J	2510 J	--	2460 J	7520	7820
n-Nonacosane (C29)	SW8015M	6720 J	6310	--	20700	38200	118000
n-Nonadecane (C19)	SW8015M	3400 U	3760 U	--	3930 J	2120 J	1740 J
n-Nonane (C9)	SW8015M	3400 U	3760 U	--	9490 U	5860 U	4480 U

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2030	Spring Surface Sediment 2031	Spring Surface Sediment 2032	Spring Surface Sediment 2033	Spring Surface Sediment 2034	Spring Surface Sediment 2035
Task		East Branch	East Branch	East Branch	East Branch	East Branch	East Branch
Tributary		0.1	0.16	0.16	0.16	0.18	0.23
River Mile							
Location ID		EB003SG_20120417	EB004SG_20120507	EB005SG_20120420	EB005SG_20120420	EB006SG_20120507	EB007SG_20120507
Sample ID		EB003SG-000010-20120417	EB004SG-000015-20120507	EB005SG-000003-20120420	EB005SG-000015-20120420	EB006SG-000015-20120507	EB007SG-000012-20120507
Sample Date		4/17/2012	5/7/2012	4/20/2012	4/20/2012	5/7/2012	5/7/2012
Sample Depth		0 - 10 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 12 cm
Water Column Depth		9.5	9.9	6.1	6.1	17.9	13.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
n-Nonatriacontane (C39)	SW8015M	1480 J	1520 J	--	9490 U	3210 J	2780 J
n-Octacosane (C28)	SW8015M	3400 U	3760 U	--	3810 J	4620 J	10400
n-Octadecane (C18)	SW8015M	5710 J	3350 J	--	8130 J	11300 J	6700 J
n-Octatriacontane (C38)	SW8015M	3130 J	2640 J	--	2730 J	4730 J	3820 J
Norpristane	SW8015M	3000 J	2790 J	--	18400	8100	5580
n-Pentacosane (C25)	SW8015M	2770 J	10700 J	--	27500 J	23500 J	28300 J
n-Pentadecane (C15)	SW8015M	653 J	1090 J	--	8640 J	3220 J	2250 J
n-Pentatriacontane (C35)	SW8015M	4020 J	4460	--	7770 J	7620	7490
n-Tetracontane (C40)	SW8015M	1530 J	1890 J	--	3180 J	3310 J	2400 J
n-Tetracosane (C24)	SW8015M	3400 U	3760 U	--	1860 J	2550 J	2930 J
n-Tetradecane (C14)	SW8015M	3400 U	714 J	--	6060 J	2150 J	1460 J
n-Tetratriacontane (C34)	SW8015M	3030 J	3760 U	--	10900	7250	14200
n-Triacontane (C30)	SW8015M	2990 J	2850 J	--	8770 J	6840	10700
n-Tricosane (C23)	SW8015M	3300 J	3760 U	--	1690 J	3580 J	4640
n-Tridecane (C13)	SW8015M	1600 J	3760 U	--	3470 J	1660 J	1700 J
n-Tritriacontane (C33)	SW8015M	6710 J	4560	--	23100	34200	30200
n-Undecane (C11)	SW8015M	3400 U	3760 U	--	3040 J	5860 U	4480 U
Pesticides (µg/kg)							
2,4'-DDD (o,p'-DDD)	SW8081A	0.38 U	9.6 J	--	12 J	0.44 U	0.41 U
2,4'-DDE (o,p'-DDE)	SW8081A	8	8.4	--	9.3	0.16 J	0.75 J
2,4'-DDT (o,p'-DDT)	SW8081A	0.38 U	0.5 UJ	--	0.53 U	0.44 UJ	0.59 J
4,4'-DDD (p,p'-DDD)	SW8081A	30 J	31 J	--	36 J	24 J	26 J
4,4'-DDE (p,p'-DDE)	SW8081A	29	19 J	--	15 J	21 J	17 J
4,4'-DDT (p,p'-DDT)	SW8081A	19 J	11 J	--	14 J	11 J	7.5 J
Aldrin	SW8081A	0.38 U	1.9 J	--	0.53 U	1.6 J	1.1 J
alpha-Hexachlorocyclohexane (BHC)	SW8081A	6.9	0.5 U	--	0.53 U	0.44 U	0.41 U
Chlordane, alpha- (cis-Chlordane)	SW8081A	27	-- R	--	27	30	32
Chlordane, beta- (trans-Chlordane)	SW8081A	0.38 U	-- R	--	0.53 U	0.44 U	0.41 U
delta-Hexachlorocyclohexane (BHC)	SW8081A	2.7	0.16 J	--	0.53 U	0.22 J	0.15 J
Dieldrin	SW8081A	9.7 J	9	--	12 J	8.9	8.4
Endosulfan sulfate	SW8081A	0.38 U	1.5 J	--	0.53 U	0.44 UJ	0.63 J
Endosulfan-alpha (I)	SW8081A	0.38 U	0.5 U	--	0.53 U	0.44 U	0.41 U
Endosulfan-beta (II)	SW8081A	0.38 U	0.5 UJ	--	0.53 U	0.44 UJ	0.41 UJ

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2030	Spring Surface Sediment 2031	Spring Surface Sediment 2032	Spring Surface Sediment 2033	Spring Surface Sediment 2034	Spring Surface Sediment 2035
Tributary		East Branch	East Branch	East Branch	East Branch	East Branch	East Branch
River Mile		0.1	0.16	0.16	0.16	0.18	0.23
Location ID		EB003SG_20120417	EB004SG_20120507	EB005SG_20120420	EB005SG_20120420	EB006SG_20120507	EB007SG_20120507
Sample ID		EB003SG-000010-20120417	EB004SG-000015-20120507	EB005SG-000003-20120420	EB005SG-000015-20120420	EB006SG-000015-20120507	EB007SG-000012-20120507
Sample Date		4/17/2012	5/7/2012	4/20/2012	4/20/2012	5/7/2012	5/7/2012
Sample Depth		0 - 10 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 12 cm
Water Column Depth		9.5	9.9	6.1	6.1	17.9	13.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Endrin	SW8081A	0.38 U	0.5 UJ	--	1.5 J	2.2 J	0.41 UJ
Endrin aldehyde	SW8081A	2.2 J	1.8 J	--	2.2 J	4.9 J	1.5 J
Endrin ketone	SW8081A	-- R	3.7 J	--	-- R	4 J	0.41 UJ
Heptachlor	SW8081A	0.38 U	0.5 UJ	--	12	7.3 J	13 J
Heptachlor epoxide	SW8081A	1.4 J	1.5 J	--	1.5 J	2.7 J	0.41 UJ
Hexachlorobenzene	SW8081A	3.5 J	3.2	--	2.9 J	3.8	2.1
Hexachlorocyclohexane, beta- (BHC)	SW8081A	0.58 J	0.37 J	--	0.65 J	0.65 J	0.41 U
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	SW8081A	0.22 J	0.5 U	--	0.53 U	0.44 U	0.15 J
Methoxychlor	SW8081A	10 J	3.2 J	--	1.1 U	9.6 J	3.8 J
Mirex	SW8081A	0.38 U	0.5 U	--	0.53 U	0.44 UJ	0.41 UJ
Nonachlor, cis-	SW8081A	8.7 J	3.8 J	--	7.2 J	4.2 J	3.3 J
Nonachlor, trans-	SW8081A	0.38 U	3.6 J	--	0.53 U	3.7	0.51 J
Oxychlordane	SW8081A	0.38 U	1.4 J	--	1 J	2.1 J	1.6 J
Sum DDD (U = 0)	--	30 J	40.6 J	--	48 J	24 J	26 J
Sum DDD (U = 1/2)	--	30.19 J	40.6 J	--	48 J	24.22 J	26.2 J
Sum DDE (U = 0)	--	37	27.4 J	--	24.3 J	21.16 J	17.75 J
Sum DDE (U = 1/2)	--	37	27.4 J	--	24.3 J	21.16 J	17.75 J
Sum DDT (U = 0)	--	19 J	11 J	--	14 J	11 J	8.09 J
Sum DDT (U = 1/2)	--	19.19 J	11.25 J	--	14.27 J	11.22 J	8.09 J
Total chlordane (U = 0)	--	35.7 J	8.8 J	--	35.2 J	40 J	37.41 J
Total chlordane (U = 1/2)	--	36.27 J	8.8 J	--	35.73 J	40.22 J	37.61 J
Total DDx (U = 0)	--	86 J	79 J	--	86.3 J	56.16 J	51.84 J
Total DDx (U = 1/2)	--	86.38 J	79.25 J	--	86.56 J	56.6 J	52.05 J
Toxaphene	SW8081A	15 U	20 U	--	21 U	17 U	16 U
Pesticides - High Resolution (µg/kg)							
2,4'-DDD (o,p'-DDD)	E1699	--	--	--	28	18	--
2,4'-DDE (o,p'-DDE)	E1699	--	--	--	2.7 J	1 U	--
2,4'-DDT (o,p'-DDT)	E1699	--	--	--	0.67 U	1.5 J	--
4,4'-DDD (p,p'-DDD)	E1699	--	--	--	83	58	--
4,4'-DDE (p,p'-DDE)	E1699	--	--	--	46	46	--
4,4'-DDT (p,p'-DDT)	E1699	--	--	--	6	21	--
Aldrin	E1699	--	--	--	0.082 U	0.47 U	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2030	Spring Surface Sediment 2031	Spring Surface Sediment 2032	Spring Surface Sediment 2033	Spring Surface Sediment 2034	Spring Surface Sediment 2035
Tributary		East Branch	East Branch	East Branch	East Branch	East Branch	East Branch
River Mile		0.1	0.16	0.16	0.16	0.18	0.23
Location ID		EB003SG_20120417	EB004SG_20120507	EB005SG_20120420	EB005SG_20120420	EB006SG_20120507	EB007SG_20120507
Sample ID		EB003SG-000010-20120417	EB004SG-000015-20120507	EB005SG-000003-20120420	EB005SG-000015-20120420	EB006SG-000015-20120507	EB007SG-000012-20120507
Sample Date		4/17/2012	5/7/2012	4/20/2012	4/20/2012	5/7/2012	5/7/2012
Sample Depth		0 - 10 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 12 cm
Water Column Depth		9.5	9.9	6.1	6.1	17.9	13.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
alpha-Hexachlorocyclohexane (BHC)	E1699	--	--	--	0.63 U	0.32 U	--
Chlordane, alpha- (cis-Chlordane)	E1699	--	--	--	63	75	--
Chlordane, beta- (trans-Chlordane)	E1699	--	--	--	71	76	--
delta-Hexachlorocyclohexane (BHC)	E1699	--	--	--	0.33 U	0.38 U	--
Dieldrin	E1699	--	--	--	28	25	--
Endosulfan sulfate	E1699	--	--	--	0.67 J	0.31 U	--
Endosulfan-alpha (I)	E1699	--	--	--	0.85 U	1.3 U	--
Endosulfan-beta (II)	E1699	--	--	--	3	8.8	--
Endrin	E1699	--	--	--	0.35 U	0.93 U	--
Endrin aldehyde	E1699	--	--	--	0.74 U	1.2 U	--
Endrin ketone	E1699	--	--	--	0.78 U	1 U	--
Heptachlor	E1699	--	--	--	0.16 J	0.38 J	--
Heptachlor epoxide	E1699	--	--	--	1.4 J	2.1 J	--
Hexachlorobenzene	E1699	--	--	--	9.4	8.6	--
Hexachlorocyclohexane, beta- (BHC)	E1699	--	--	--	0.12 U	0.37 U	--
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	E1699	--	--	--	0.26 UJ	0.41 U	--
Methoxychlor	E1699	--	--	--	1.1 U	1.9 U	--
Mirex	E1699	--	--	--	0.95 J	0.75 J	--
Nonachlor, cis-	E1699	--	--	--	13	15	--
Nonachlor, trans-	E1699	--	--	--	41	42	--
Oxychlordane	E1699	--	--	--	0.71 J	1 J	--
Sum DDD high resolution (U = 0)	--	--	--	--	111	76	--
Sum DDD high resolution (U = 1/2)	--	--	--	--	111	76	--
Sum DDE high resolution (U = 0)	--	--	--	--	48.7 J	46	--
Sum DDE high resolution (U = 1/2)	--	--	--	--	48.7 J	46.5	--
Sum DDT high resolution (U = 0)	--	--	--	--	6	22.5 J	--
Sum DDT high resolution (U = 1/2)	--	--	--	--	6.34	22.5 J	--
Total chlordane high resolution (U = 0)	--	--	--	--	188.71 J	209 J	--
Total chlordane high resolution (U = 1/2)	--	--	--	--	188.71 J	209 J	--
Total DDx high resolution (U = 0)	--	--	--	--	165.7 J	144.5 J	--
Total DDx high resolution (U = 1/2)	--	--	--	--	166.03 J	145 J	--
Toxaphene	E1699	--	--	--	260 U	7.6 U	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2030	Spring Surface Sediment 2031	Spring Surface Sediment 2032	Spring Surface Sediment 2033	Spring Surface Sediment 2034	Spring Surface Sediment 2035
Tributary		East Branch	East Branch	East Branch	East Branch	East Branch	East Branch
River Mile		0.1	0.16	0.16	0.16	0.18	0.23
Location ID		EB003SG_20120417	EB004SG_20120507	EB005SG_20120420	EB005SG_20120420	EB006SG_20120507	EB007SG_20120507
Sample ID		EB003SG-000010-20120417	EB004SG-000015-20120507	EB005SG-000003-20120420	EB005SG-000015-20120420	EB006SG-000015-20120507	EB007SG-000012-20120507
Sample Date		4/17/2012	5/7/2012	4/20/2012	4/20/2012	5/7/2012	5/7/2012
Sample Depth		0 - 10 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 12 cm
Water Column Depth		9.5	9.9	6.1	6.1	17.9	13.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Herbicides (µg/kg)							
2,2-Dichloropropionic acid (dalapon)	SW8151A	410 U	540 UJ	--	570 U	470 U	440 U
2,4,5-T (2,4,5-trichlorophenoxyacetic acid)	SW8151A	90 U	120 UJ	--	130 U	100 UJ	16 J
2,4,5-TP (Silvex)	SW8151A	90 U	120 U	--	130 U	100 U	99 U
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	360 U	480 UJ	--	510 U	420 UJ	390 UJ
2,4-DB (2,4-D derivative)	SW8151A	360 U	480 UJ	--	510 U	420 U	390 U
Dicamba	SW8151A	180 U	240 U	--	250 U	210 U	200 U
Dichlorprop	SW8151A	360 U	95 J	--	510 U	420 U	390 U
Dinoseb	SW8151A	54 UJ	72 UJ	--	76 UJ	63 UJ	59 UJ
Mecoprop (MCP)	SW8151A	36000 U	48000 U	--	51000 U	42000 U	39000 U
Mephanac (MCPA)	SW8151A	36000 U	48000 UJ	--	51000 U	42000 U	39000 U
Dioxin Furans (ng/kg)							
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	--	--	--	3.36	1.95 J	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	--	--	--	14.5 J	8.18 J	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	--	--	23.7	15.1	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	--	--	63.2	42.8	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	--	--	56.7	34.5	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B	--	--	--	1370	910	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B	--	--	--	12300	8050	--
Total tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	--	--	--	109 J	35.3 J	--
Total pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	--	--	--	120 J	51.5 J	--
Total hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	--	--	562	338 J	--

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2030	Spring Surface Sediment 2031	Spring Surface Sediment 2032	Spring Surface Sediment 2033	Spring Surface Sediment 2034	Spring Surface Sediment 2035
Task		East Branch	East Branch	East Branch	East Branch	East Branch	East Branch
Tributary		0.1	0.16	0.16	0.16	0.18	0.23
River Mile							
Location ID		EB003SG_20120417	EB004SG_20120507	EB005SG_20120420	EB005SG_20120420	EB006SG_20120507	EB007SG_20120507
Sample ID		EB003SG-000010-20120417	EB004SG-000015-20120507	EB005SG-000003-20120420	EB005SG-000015-20120420	EB006SG-000015-20120507	EB007SG-000012-20120507
Sample Date		4/17/2012	5/7/2012	4/20/2012	4/20/2012	5/7/2012	5/7/2012
Sample Depth		0 - 10 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 12 cm
Water Column Depth		9.5	9.9	6.1	6.1	17.9	13.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total heptachlorodibenzo-p-dioxin (HpCDD)	E1613B	--	--	--	3310	2060	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B	--	--	--	19.6	7.53	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B	--	--	--	21.8	8.63 J	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B	--	--	--	38.6	13.4	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B	--	--	--	66	26.8	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B	--	--	--	47.3	22.7	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B	--	--	--	0.932 U	3.5 J	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B	--	--	--	44.8	20.9	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B	--	--	--	575	376	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B	--	--	--	26.5	17.4	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B	--	--	--	924	749	--
Total tetrachlorodibenzofuran (TCDF)	E1613B	--	--	--	460 J	158 J	--
Total pentachlorodibenzofuran (PeCDF)	E1613B	--	--	--	526 J	213 J	--
Total hexachlorodibenzofuran (HxCDF)	E1613B	--	--	--	754 J	412 J	--
Total heptachlorodibenzofuran (HpCDF)	E1613B	--	--	--	1050 J	762 J	--
Total dioxin/furan TEQ 1998 (avian) (U = 0)	--	--	--	--	110.244 J	49.67 J	--
Total dioxin/furan TEQ 1998 (avian) (U = 1/2)	--	--	--	--	110.291 J	49.67 J	--
Total dioxin/furan TEQ 1998 (fish) (U = 0)	--	--	--	--	76.796 J	39.07 J	--
Total dioxin/furan TEQ 1998 (fish) (U = 1/2)	--	--	--	--	76.843 J	39.07 J	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2030	Spring Surface Sediment 2031	Spring Surface Sediment 2032	Spring Surface Sediment 2033	Spring Surface Sediment 2034	Spring Surface Sediment 2035
Tributary		East Branch	East Branch	East Branch	East Branch	East Branch	East Branch
River Mile		0.1	0.16	0.16	0.16	0.18	0.23
Location ID		EB003SG_20120417	EB004SG_20120507	EB005SG_20120420	EB005SG_20120420	EB006SG_20120507	EB007SG_20120507
Sample ID		EB003SG-000010-20120417	EB004SG-000015-20120507	EB005SG-000003-20120420	EB005SG-000015-20120420	EB006SG-000015-20120507	EB007SG-000012-20120507
Sample Date		4/17/2012	5/7/2012	4/20/2012	4/20/2012	5/7/2012	5/7/2012
Sample Depth		0 - 10 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 12 cm
Water Column Depth		9.5	9.9	6.1	6.1	17.9	13.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total dioxin/furan TEQ 2005 (mammal) (U = 0)	--	--	--	--	85.906 J	47.47 J	--
Total dioxin/furan TEQ 2005 (mammal) (U = 1/2)	--	--	--	--	85.953 J	47.47 J	--
PCB Aroclors (µg/kg)							
Aroclor 1016	SW8082A	9.4 U	25 U	--	13 U	22 U	20 U
Aroclor 1221	SW8082A	9.4 U	25 U	--	13 U	22 U	20 U
Aroclor 1232	SW8082A	9.4 U	25 U	--	13 U	22 U	20 U
Aroclor 1242	SW8082A	690	410	--	1400	140	150
Aroclor 1248	SW8082A	9.4 U	25 U	--	13 U	22 U	20 U
Aroclor 1254	SW8082A	820	530	--	1500	220	250
Aroclor 1260	SW8082A	9.4 U	25 UJ	--	13 U	22 U	20 U
Aroclor 1262	SW8082A	9.4 U	25 U	--	13 U	22 U	20 U
Aroclor 1268	SW8082A	9.4 U	25 U	--	13 U	22 U	20 U
Total PCB Aroclors (U = 0)	--	1510	940 J	--	2900	360	400
Total PCB Aroclors (U = 1/2)	--	1542.9	1027.5 J	--	2945.5	437	470
PCB Congeners (ng/kg)							
PCB-001	E1668B	--	--	--	1450	447	--
PCB-002	E1668B	--	--	--	80	65.8 J	--
PCB-003	E1668B	--	--	--	965	331	--
PCB-004	E1668B	--	--	--	5120 J	2360	--
PCB-005	E1668B	--	--	--	295	117	--
PCB-006	E1668B	--	--	--	2290	1070	--
PCB-007	E1668B	--	--	--	555	236	--
PCB-008	E1668B	--	--	--	11600	4500	--
PCB-009	E1668B	--	--	--	861	370	--
PCB-010	E1668B	--	--	--	370	194	--
PCB-011	E1668B	--	--	--	2680	2580	--
PCB-012/013	E1668B	--	--	--	1090	663	--
PCB-014	E1668B	--	--	--	4.92 U	17.5 U	--
PCB-015	E1668B	--	--	--	7370	3740	--
PCB-016	E1668B	--	--	--	12600	5290	--
PCB-017	E1668B	--	--	--	11800	5260	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2030	Spring Surface Sediment 2031	Spring Surface Sediment 2032	Spring Surface Sediment 2033	Spring Surface Sediment 2034	Spring Surface Sediment 2035
		Tributary	East Branch	East Branch	East Branch	East Branch	East Branch	East Branch
		River Mile	0.1	0.16	0.16	0.16	0.18	0.23
		Location ID	EB003SG_20120417	EB004SG_20120507	EB005SG_20120420	EB005SG_20120420	EB006SG_20120507	EB007SG_20120507
		Sample ID	EB003SG-000010-20120417	EB004SG-000015-20120507	EB005SG-000003-20120420	EB005SG-000015-20120420	EB006SG-000015-20120507	EB007SG-000012-20120507
		Sample Date	4/17/2012	5/7/2012	4/20/2012	4/20/2012	5/7/2012	5/7/2012
		Sample Depth	0 - 10 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 12 cm
		Water Column Depth	9.5	9.9	6.1	6.1	17.9	13.7
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-018/030	E1668B	--	--	--	--	23800	10300	--
PCB-019	E1668B	--	--	--	--	2800	1560	--
PCB-020/028	E1668B	--	--	--	--	32700	20100 J	--
PCB-021/033	E1668B	--	--	--	--	15800	7840	--
PCB-022	E1668B	--	--	--	--	11400	6770	--
PCB-023	E1668B	--	--	--	--	8.89 U	17.3	--
PCB-024	E1668B	--	--	--	--	300	7.54 U	--
PCB-025	E1668B	--	--	--	--	2650	1770	--
PCB-026/029	E1668B	--	--	--	--	5000	3140	--
PCB-027	E1668B	--	--	--	--	2010	1130	--
PCB-031	E1668B	--	--	--	--	27500 J	16800 J	--
PCB-032	E1668B	--	--	--	--	9860	2890	--
PCB-034	E1668B	--	--	--	--	85.9	75.8	--
PCB-035	E1668B	--	--	--	--	548	284	--
PCB-036	E1668B	--	--	--	--	26.9	25.1 U	--
PCB-037	E1668B	--	--	--	--	8930	3280	--
PCB-038	E1668B	--	--	--	--	38.1	27.2 U	--
PCB-039	E1668B	--	--	--	--	117	23.2 U	--
PCB-040/071	E1668B	--	--	--	--	15400	5020 J	--
PCB-041	E1668B	--	--	--	--	4050	1010 J	--
PCB-042	E1668B	--	--	--	--	8780	3170 J	--
PCB-043	E1668B	--	--	--	--	1280	405 J	--
PCB-044/047/065	E1668B	--	--	--	--	59900	22800 J	--
PCB-045	E1668B	--	--	--	--	4410	--	--
PCB-045/051	E1668B	--	--	--	--	--	7520 J	--
PCB-046	E1668B	--	--	--	--	2390	632 J	--
PCB-048	E1668B	--	--	--	--	7010	2190 J	--
PCB-049/069	E1668B	--	--	--	--	24800	8790 J	--
PCB-050/053	E1668B	--	--	--	--	11300	2370 J	--
PCB-051	E1668B	--	--	--	--	23200	--	--
PCB-052	E1668B	--	--	--	--	40300 J	14700 J	--
PCB-054	E1668B	--	--	--	--	3070	1440	--
PCB-055	E1668B	--	--	--	--	505	16.9 UJ	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2030	Spring Surface Sediment 2031	Spring Surface Sediment 2032	Spring Surface Sediment 2033	Spring Surface Sediment 2034	Spring Surface Sediment 2035
		Tributary	East Branch	East Branch	East Branch	East Branch	East Branch	East Branch
		River Mile	0.1	0.16	0.16	0.16	0.18	0.23
		Location ID	EB003SG_20120417	EB004SG_20120507	EB005SG_20120420	EB005SG_20120420	EB006SG_20120507	EB007SG_20120507
		Sample ID	EB003SG-000010-20120417	EB004SG-000015-20120507	EB005SG-000003-20120420	EB005SG-000015-20120420	EB006SG-000015-20120507	EB007SG-000012-20120507
		Sample Date	4/17/2012	5/7/2012	4/20/2012	4/20/2012	5/7/2012	5/7/2012
		Sample Depth	0 - 10 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 12 cm
		Water Column Depth	9.5	9.9	6.1	6.1	17.9	13.7
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-056	E1668B	--	--	--	--	12700	4000 J	--
PCB-057	E1668B	--	--	--	--	140	17.8 UJ	--
PCB-058	E1668B	--	--	--	--	42.9	17.4 UJ	--
PCB-059/062/075	E1668B	--	--	--	--	3780	1270 J	--
PCB-060	E1668B	--	--	--	--	7040	2650 J	--
PCB-061/070/074/076	E1668B	--	--	--	--	49000	10300 J	--
PCB-063	E1668B	--	--	--	--	1050	214 J	--
PCB-064	E1668B	--	--	--	--	12800	3910 J	--
PCB-066	E1668B	--	--	--	--	25900 J	6180 J	--
PCB-067	E1668B	--	--	--	--	1070	297 J	--
PCB-068	E1668B	--	--	--	--	288	130 J	--
PCB-072	E1668B	--	--	--	--	162	82.9 J	--
PCB-073	E1668B	--	--	--	--	672	8.1 UJ	--
PCB-077	E1668B	--	--	--	--	2550	1320 J	--
PCB-078	E1668B	--	--	--	--	17.6 U	17.8 UJ	--
PCB-079	E1668B	--	--	--	--	277	15.6 UJ	--
PCB-080	E1668B	--	--	--	--	14.6 U	127 J	--
PCB-081	E1668B	--	--	--	--	126	54.1	--
PCB-082	E1668B	--	--	--	--	5930	2130	--
PCB-083	E1668B	--	--	--	--	2430	948	--
PCB-084	E1668B	--	--	--	--	12300	2200	--
PCB-085/116	E1668B	--	--	--	--	6660	--	--
PCB-085/116/117	E1668B	--	--	--	--	--	2890	--
PCB-086/087/097/108/119/125	E1668B	--	--	--	--	30900	11800	--
PCB-088	E1668B	--	--	--	--	1.95 U	--	--
PCB-088/091	E1668B	--	--	--	--	--	1320	--
PCB-089	E1668B	--	--	--	--	558	11.7 U	--
PCB-090/101/113	E1668B	--	--	--	--	49600	16900	--
PCB-091	E1668B	--	--	--	--	6480	--	--
PCB-092	E1668B	--	--	--	--	8530	2860	--
PCB-093/100	E1668B	--	--	--	--	7410	2180	--
PCB-094	E1668B	--	--	--	--	960	394	--
PCB-095	E1668B	--	--	--	--	39100 J	6850	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2030	Spring Surface Sediment 2031	Spring Surface Sediment 2032	Spring Surface Sediment 2033	Spring Surface Sediment 2034	Spring Surface Sediment 2035
		Tributary	East Branch	East Branch	East Branch	East Branch	East Branch	East Branch
		River Mile	0.1	0.16	0.16	0.16	0.18	0.23
		Location ID	EB003SG_20120417	EB004SG_20120507	EB005SG_20120420	EB005SG_20120420	EB006SG_20120507	EB007SG_20120507
		Sample ID	EB003SG-000010-20120417	EB004SG-000015-20120507	EB005SG-000003-20120420	EB005SG-000015-20120420	EB006SG-000015-20120507	EB007SG-000012-20120507
		Sample Date	4/17/2012	5/7/2012	4/20/2012	4/20/2012	5/7/2012	5/7/2012
		Sample Depth	0 - 10 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 12 cm
		Water Column Depth	9.5	9.9	6.1	6.1	17.9	13.7
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-096	E1668B	--	--	--	--	506	286	--
PCB-098	E1668B	--	--	--	--	195	--	--
PCB-098/102	E1668B	--	--	--	--	--	10.4 U	--
PCB-099	E1668B	--	--	--	--	20500	7500	--
PCB-102	E1668B	--	--	--	--	1650	--	--
PCB-103	E1668B	--	--	--	--	2030	579	--
PCB-104	E1668B	--	--	--	--	902	455	--
PCB-105	E1668B	--	--	--	--	15400	6250	--
PCB-106	E1668B	--	--	--	--	1.48 U	17.5 U	--
PCB-107/124	E1668B	--	--	--	--	1660	672	--
PCB-109	E1668B	--	--	--	--	2490	1380	--
PCB-110	E1668B	--	--	--	--	54100 J	--	--
PCB-110/115	E1668B	--	--	--	--	--	18600 J	--
PCB-111	E1668B	--	--	--	--	1.36 U	269	--
PCB-112	E1668B	--	--	--	--	1.44 U	7.36 U	--
PCB-114	E1668B	--	--	--	--	885	331	--
PCB-115	E1668B	--	--	--	--	777	--	--
PCB-117	E1668B	--	--	--	--	1100	--	--
PCB-118	E1668B	--	--	--	--	35500 J	14500 J	--
PCB-120	E1668B	--	--	--	--	1.37 U	32.4 J	--
PCB-121	E1668B	--	--	--	--	1.38 U	72.6	--
PCB-122	E1668B	--	--	--	--	508	199 J	--
PCB-123	E1668B	--	--	--	--	577	185 J	--
PCB-126	E1668B	--	--	--	--	211	225	--
PCB-127	E1668B	--	--	--	--	1.49 U	55.2	--
PCB-128/166	E1668B	--	--	--	--	8510	3240 J	--
PCB-129/138/163	E1668B	--	--	--	--	73400 J	23500 J	--
PCB-130	E1668B	--	--	--	--	3870	1280 J	--
PCB-131	E1668B	--	--	--	--	818	336 J	--
PCB-132	E1668B	--	--	--	--	22800	13.6 UJ	--
PCB-133	E1668B	--	--	--	--	969	369 J	--
PCB-134	E1668B	--	--	--	--	3620	1340 J	--
PCB-135/151	E1668B	--	--	--	--	27400	6720 J	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2030	Spring Surface Sediment 2031	Spring Surface Sediment 2032	Spring Surface Sediment 2033	Spring Surface Sediment 2034	Spring Surface Sediment 2035
		Tributary	East Branch	East Branch	East Branch	East Branch	East Branch	East Branch
		River Mile	0.1	0.16	0.16	0.16	0.18	0.23
		Location ID	EB003SG_20120417	EB004SG_20120507	EB005SG_20120420	EB005SG_20120420	EB006SG_20120507	EB007SG_20120507
		Sample ID	EB003SG-000010-20120417	EB004SG-000015-20120507	EB005SG-000003-20120420	EB005SG-000015-20120420	EB006SG-000015-20120507	EB007SG-000012-20120507
		Sample Date	4/17/2012	5/7/2012	4/20/2012	4/20/2012	5/7/2012	5/7/2012
		Sample Depth	0 - 10 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 12 cm
		Water Column Depth	9.5	9.9	6.1	6.1	17.9	13.7
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-136	E1668B	--	--	--	--	9370	2460 J	--
PCB-137	E1668B	--	--	--	--	2310	889 J	--
PCB-139/140	E1668B	--	--	--	--	982	382 J	--
PCB-141	E1668B	--	--	--	--	16800	4040 J	--
PCB-142	E1668B	--	--	--	--	1.25 U	6570 J	--
PCB-143	E1668B	--	--	--	--	139	11.8 UJ	--
PCB-144	E1668B	--	--	--	--	3970	736 J	--
PCB-145	E1668B	--	--	--	--	0.848 U	5.99 UJ	--
PCB-146	E1668B	--	--	--	--	10200	3130 J	--
PCB-147/149	E1668B	--	--	--	--	62300 J	22100 J	--
PCB-148	E1668B	--	--	--	--	214	148 J	--
PCB-150	E1668B	--	--	--	--	208	166 J	--
PCB-152	E1668B	--	--	--	--	146	209 J	--
PCB-153/168	E1668B	--	--	--	--	61200 J	17800 J	--
PCB-154	E1668B	--	--	--	--	1160	387 J	--
PCB-155	E1668B	--	--	--	--	105	74.2	--
PCB-156/157	E1668B	--	--	--	--	6720	2260	--
PCB-158	E1668B	--	--	--	--	7150	2200 J	--
PCB-159	E1668B	--	--	--	--	10.5 U	13.3 UJ	--
PCB-160	E1668B	--	--	--	--	33.2	10.5 UJ	--
PCB-161	E1668B	--	--	--	--	8.1	8.78 UJ	--
PCB-162	E1668B	--	--	--	--	175	12.3 UJ	--
PCB-164	E1668B	--	--	--	--	5570	1530 J	--
PCB-165	E1668B	--	--	--	--	0.957 U	49.5 J	--
PCB-167	E1668B	--	--	--	--	2320	822 J	--
PCB-169	E1668B	--	--	--	--	13.8 U	36.8 J	--
PCB-170	E1668B	--	--	--	--	31700 J	5810	--
PCB-171/173	E1668B	--	--	--	--	7080	2250	--
PCB-172	E1668B	--	--	--	--	4930	1100	--
PCB-174	E1668B	--	--	--	--	27300 J	8700 J	--
PCB-175	E1668B	--	--	--	--	1060	202 J	--
PCB-176	E1668B	--	--	--	--	3000	635	--
PCB-177	E1668B	--	--	--	--	14700	4420	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2030	Spring Surface Sediment 2031	Spring Surface Sediment 2032	Spring Surface Sediment 2033	Spring Surface Sediment 2034	Spring Surface Sediment 2035
		Tributary	East Branch	East Branch	East Branch	East Branch	East Branch	East Branch
		River Mile	0.1	0.16	0.16	0.16	0.18	0.23
		Location ID	EB003SG_20120417	EB004SG_20120507	EB005SG_20120420	EB005SG_20120420	EB006SG_20120507	EB007SG_20120507
		Sample ID	EB003SG-000010-20120417	EB004SG-000015-20120507	EB005SG-000003-20120420	EB005SG-000015-20120420	EB006SG-000015-20120507	EB007SG-000012-20120507
		Sample Date	4/17/2012	5/7/2012	4/20/2012	4/20/2012	5/7/2012	5/7/2012
		Sample Depth	0 - 10 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 12 cm
		Water Column Depth	9.5	9.9	6.1	6.1	17.9	13.7
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-178	E1668B	--	--	--	--	5250	1420	--
PCB-179	E1668B	--	--	--	--	11000	2940	--
PCB-180/193	E1668B	--	--	--	--	79200 J	14800	--
PCB-181	E1668B	--	--	--	--	180	77.2	--
PCB-182	E1668B	--	--	--	--	137	15.6 U	--
PCB-183	E1668B	--	--	--	--	14400	--	--
PCB-183/185	E1668B	--	--	--	--	--	5100	--
PCB-184	E1668B	--	--	--	--	28.3	13.1 U	--
PCB-185	E1668B	--	--	--	--	1930	--	--
PCB-186	E1668B	--	--	--	--	0.875 U	12.8 U	--
PCB-187	E1668B	--	--	--	--	30800 J	9610 J	--
PCB-188	E1668B	--	--	--	--	104	116 J	--
PCB-189	E1668B	--	--	--	--	826	191 J	--
PCB-190	E1668B	--	--	--	--	5280	1140	--
PCB-191	E1668B	--	--	--	--	1080	250	--
PCB-192	E1668B	--	--	--	--	6.88 U	11.7 U	--
PCB-194	E1668B	--	--	--	--	16400	3450	--
PCB-195	E1668B	--	--	--	--	6950	1470	--
PCB-196	E1668B	--	--	--	--	6810	1510	--
PCB-197	E1668B	--	--	--	--	472	--	--
PCB-197/200	E1668B	--	--	--	--	--	560	--
PCB-198/199	E1668B	--	--	--	--	14500	3490	--
PCB-200	E1668B	--	--	--	--	1610	--	--
PCB-201	E1668B	--	--	--	--	1710	434	--
PCB-202	E1668B	--	--	--	--	2840	896	--
PCB-203	E1668B	--	--	--	--	8640	1840	--
PCB-204	E1668B	--	--	--	--	1.29 U	8.97 U	--
PCB-205	E1668B	--	--	--	--	653	185	--
PCB-206	E1668B	--	--	--	--	4870	2090	--
PCB-207	E1668B	--	--	--	--	532	168	--
PCB-208	E1668B	--	--	--	--	1110	632	--
PCB-209	E1668B	--	--	--	--	1520	1260 J	--
Total PCB congener (U = 0)	--	--	--	--	--	1477603.4 J	485346.8 J	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2030	Spring Surface Sediment 2031	Spring Surface Sediment 2032	Spring Surface Sediment 2033	Spring Surface Sediment 2034	Spring Surface Sediment 2035
Tributary		East Branch	East Branch	East Branch	East Branch	East Branch	East Branch
River Mile		0.1	0.16	0.16	0.16	0.18	0.23
Location ID		EB003SG_20120417	EB004SG_20120507	EB005SG_20120420	EB005SG_20120420	EB006SG_20120507	EB007SG_20120507
Sample ID		EB003SG-000010-20120417	EB004SG-000015-20120507	EB005SG-000003-20120420	EB005SG-000015-20120420	EB006SG-000015-20120507	EB007SG-000012-20120507
Sample Date		4/17/2012	5/7/2012	4/20/2012	4/20/2012	5/7/2012	5/7/2012
Sample Depth		0 - 10 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 12 cm
Water Column Depth		9.5	9.9	6.1	6.1	17.9	13.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total PCB congener (U = 1/2)	--	--	--	--	1477649.84 J	485536.57 J	--
Total PCB congener TEQ 1998 (avian) (U = 0)	--	--	--	--	163.9 J	95 J	--
Total PCB congener TEQ 1998 (avian) (U = 1/2)	--	--	--	--	163.9 J	95 J	--
Total PCB congener TEQ 1998 (fish) (U = 0)	--	--	--	--	1.7 J	1.4 J	--
Total PCB congener TEQ 1998 (fish) (U = 1/2)	--	--	--	--	1.7 J	1.4 J	--
Total PCB congener TEQ 2005 (mammal) (U = 0)	--	--	--	--	23.3 J	24.5 J	--
Total PCB congener TEQ 2005 (mammal) (U = 1/2)	--	--	--	--	23.5 J	24.5 J	--
Total Petroleum Hydrocarbons (mg/kg)							
Diesel range organics (C10 - C28)	SW8015M	6920 J	7660	--	18800	7670	6220
Phytane	SW8015M	6.07 J	4.29	--	25	10.5	7.6
Pristane	SW8015M	6.09 J	5.42	--	37.9	12.8	9.48
Total petroleum hydrocarbons (C9-C40)	SW8015M	13300 J	14800	--	33000	16500	14100
Radionuclides (pci/g)							
Beryllium 7	HASL300	--	--	0.65 U	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task	Spring Surface Sediment 2036	Spring Surface Sediment 2037	Spring Surface Sediment 2038	Spring Surface Sediment 2039	Spring Surface Sediment 2040	Spring Surface Sediment 2041	
Tributary	East Branch	East Branch	East Branch	East Branch	English Kills	English Kills	
River Mile	0.29	0.32	0.36	0.36	0.08	0.09	
Location ID	EB008SG_20120508	EB009SG_20120508	EB010SG_20120420	EB010SG_20120420	EK002SG_20120425	EK001SG_20120418	
Sample ID	EB008SG-000015-20120508	EB009SG-000015-20120508	EB010SG-000003-20120420	EB010SG-000009-20120420	EK002SG-000015-20120425	EK001SG-000015-20120418	
Sample Date	5/8/2012	5/8/2012	4/20/2012	4/20/2012	4/25/2012	4/18/2012	
Sample Depth	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 9 cm	0 - 15 cm	0 - 15 cm	
Water Column Depth	9.8	7.7	5.1	5.1	20.2	11.5	
Sample Type	N	N	N	N	N	N	
Matrix	SE	SE	SE	SE	SE	SE	
Conventional Parameters (lb/ft³)							
Density	D7263	14.3	14	--	33.7	29.7	13.3
Conventional Parameters (mg/kg)							
Ammonia as nitrogen	SM4500NH3H	93	49	--	29	120	61
Cyanide, total	SW9012A	5 U	5.3 U	--	2.4 U	7.5	4.2 UJ
Nitrate + nitrite as nitrogen	SM4500NO3F	13 U	14 U	--	5.8 U	6.7 U	21 U
Nitrogen ((No Suggestions))	SM4500NORGC	11000	11000	--	1100	4100 J	5200 J
Phosphorus	SM4500PE	2500 J	2300 J	--	510 J	2500 J	1300 J
Sulfide	SW9030B	4300	6700	--	4200	11000	14000
Conventional Parameters (pct)							
Moisture (water) content	D2216	--	--	--	137.7	--	--
Moisture, percent	D2216	--	--	--	70.8	--	--
Soot carbon	SOOTC	0.273	0.791	--	0.8 J	0.753 J	0.695 J
Total organic carbon	SW9060	7.28	8.725	--	6.51	12.5 J	5.87 J
Total solids	SM2540G	19.2	18.5	--	41.1	36.4	22.4
Conventional Parameters (SU)							
pH	SW9045C	8.2	8.1	--	8.2	8.2	8.2
Conventional Parameters (unitless)							
Liquid limit	D4318	--	--	--	71	--	--
Plastic limit	D4318	--	--	--	38	--	--
Plasticity index	D4318	--	--	--	33	--	--
Specific gravity	D854	--	--	--	2.38	--	--
Grain Size (pct)							
Cobbles	D422	--	0	--	0	0	0
Gravel	D422	--	1.6	--	6	4.4	0.1
Sand	D422	--	37.9	--	56.4	33.2	25
Fines (silt + clay)	D422	--	60.5	--	37.6	62.4	74.9
Percent passing 0.375 inch (3/8 inch sieve)	D422	--	100	--	94	98	100
Percent passing 0.5 inch (1/2 inch sieve)	D422	--	--	--	94	100	--
Percent passing 0.75 inch (3/4 inch sieve)	D422	--	--	--	95	--	--
Percent passing 1 inch (1 inch sieve)	D422	--	--	--	100	--	--
Percent passing 75 micron sieve (#200)	D422	--	60	--	38	62	75
Percent passing 150 micron sieve (#100)	D422	--	72	--	49	69	81

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2036	Spring Surface Sediment 2037	Spring Surface Sediment 2038	Spring Surface Sediment 2039	Spring Surface Sediment 2040	Spring Surface Sediment 2041
Tributary		East Branch	East Branch	East Branch	East Branch	English Kills	English Kills
River Mile		0.29	0.32	0.36	0.36	0.08	0.09
Location ID		EB008SG_20120508	EB009SG_20120508	EB010SG_20120420	EB010SG_20120420	EK002SG_20120425	EK001SG_20120418
Sample ID		EB008SG-000015-20120508	EB009SG-000015-20120508	EB010SG-000003-20120420	EB010SG-000009-20120420	EK002SG-000015-20120425	EK001SG-000015-20120418
Sample Date		5/8/2012	5/8/2012	4/20/2012	4/20/2012	4/25/2012	4/18/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 9 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		9.8	7.7	5.1	5.1	20.2	11.5
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Percent passing 250 micron sieve (#60)	D422	--	80	--	64	75	85
Percent passing 425 micron sieve (#40)	D422	--	86	--	81	82	90
Percent passing 850 micron sieve (#20)	D422	--	90	--	89	87	94
Percent passing 2000 micron sieve (#10)	D422	--	95	--	92	92	99
Percent passing 4750 micron sieve (#4)	D422	--	98	--	94	96	100
Metals (mg/kg)							
Aluminum	SW6020A	7560	7120	--	4660	9100 J	15800
Antimony	SW6020A	7.27 J	4.64 J	--	1.54 J	11.8 J	2.91 J
Arsenic	SW6020A	9.63	11.3	--	6.22	109	39.8
Barium	SW6020A	134	143	--	148 J	289	289
Beryllium	SW6020A	0.473 J	0.292 J	--	0.266	0.726	1.13
Cadmium	SW6020A	3.34	2.57	--	2.81 J	252	31.3
Calcium	SW6020A	20500	20300	--	12800 J	11600 J	15800 J
Chromium	SW6020A	50.8 J	57.6 J	--	46.6 J	1430	273 J
Cobalt	SW6020A	7.62	7.44	--	6.16 J	26.4	14.6 J
Copper	SW6020A	297	313	--	308 J	4260 J	1200
Iron	SW6020A	22400	22200	--	16200	39200 J	45400
Lead	SW6020A	464	529	--	362	1150	683 J
Magnesium	SW6020A	13900	13000	--	6200	5640 J	14100
Manganese	SW6020A	105	106	--	114 J	200	250
Mercury	E1631M	1.89 J	1.37 J	--	2.63 J	8.35	3.65
Nickel	SW6020A	31.4	32.3	--	29.6 J	1530	219
Potassium	SW6020A	2340	2310	--	1060 J	2000 J	3710 J
Selenium	SW6020A	4.16	2.92	--	1.68	8.62	5.34
Silver	SW6020A	3.26	3.21	--	7.86	25.3 J	6.27 J
Sodium	SW6020A	34300 J	33700 J	--	8260 J	10900 J	19100
Thallium	SW6020A	0.436	0.185 J	--	0.089 J	0.408	0.508 J
Tin	SW6020A	44	39.8	--	20 J	100	36.6
Vanadium	SW6020A	35.7	32.8	--	27.8	102	77.5
Zinc	SW6020A	964	956	--	805 J	10500	2640
Organometallic Compounds (µg/kg)							
Methyl mercury	E1630M	--	--	--	0.289 UJ	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2036	Spring Surface Sediment 2037	Spring Surface Sediment 2038	Spring Surface Sediment 2039	Spring Surface Sediment 2040	Spring Surface Sediment 2041
Tributary		East Branch	East Branch	East Branch	East Branch	English Kills	English Kills
River Mile		0.29	0.32	0.36	0.36	0.08	0.09
Location ID		EB008SG_20120508	EB009SG_20120508	EB010SG_20120420	EB010SG_20120420	EK002SG_20120425	EK001SG_20120418
Sample ID		EB008SG-000015-20120508	EB009SG-000015-20120508	EB010SG-000003-20120420	EB010SG-000009-20120420	EK002SG-000015-20120425	EK001SG-000015-20120418
Sample Date		5/8/2012	5/8/2012	4/20/2012	4/20/2012	4/25/2012	4/18/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 9 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		9.8	7.7	5.1	5.1	20.2	11.5
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Volatile Organics (µg/kg)							
1,1,1-Trichloroethane	SW8260B	5.1 U	490 U	--	190 U	220 U	4.5 U
1,1,2,2-Tetrachloroethane	SW8260B	5.1 U	490 U	--	190 U	220 U	4.5 U
1,1,2-Trichloroethane	SW8260B	7.6 U	730 U	--	290 U	340 U	6.7 U
1,1,2-Trichlorotrifluoroethane	SW8260B	100 U	9700 U	--	3900 U	4500 U	89 U
1,1-Dichloroethane	SW8260B	7.6 U	730 U	--	290 U	340 U	6.7 U
1,1-Dichloroethene	SW8260B	5.1 U	490 U	--	190 U	220 U	4.5 U
1,2,3-Trichlorobenzene	SW8260B	26 U	2400 U	--	970 U	1100 U	22 U
1,2,4-Trichlorobenzene	SW8260B	26 U	2400 U	--	970 U	1100 U	22 U
1,2-Dibromo-3-chloropropane	SW8260B	26 U	2400 U	--	970 UJ	1100 UJ	22 U
1,2-Dichlorobenzene	SW8260B	26 U	2400 U	--	970 U	180 J	22 U
1,2-Dichloroethane	SW8260B	5.1 U	490 U	--	190 U	220 U	4.5 U
1,2-Dichloroethene, cis-	SW8260B	5.1 U	490 U	--	190 U	220 U	4.5 U
1,2-Dichloroethene, trans-	SW8260B	7.6 U	730 U	--	290 U	340 U	6.7 U
1,2-Dichloropropane	SW8260B	18 U	1700 U	--	680 U	790 U	16 U
1,3-Dichlorobenzene	SW8260B	26 U	2400 U	--	970 U	1100 U	22 U
1,3-Dichloropropene, cis-	SW8260B	5.1 U	490 U	--	190 U	220 U	4.5 U
1,3-Dichloropropene, trans-	SW8260B	5.1 U	490 U	--	190 U	220 U	4.5 U
1,4-Dichlorobenzene	SW8260B	93	1200 J	--	430 J	170 J	22 U
2-Butanone (MEK)	SW8260B	66	4900 U	--	1900 U	1100 J	160
2-Hexanone (methyl butyl ketone)	SW8260B	51 U	4900 U	--	1900 U	2200 U	45 U
Acetone	SW8260B	280	18000 U	--	750 J	950 J	760 J
Benzene	SW8260B	3.3 J	490 U	--	190 U	180 J	4.5 U
Bromochloromethane	SW8260B	26 U	2400 U	--	970 U	1100 U	22 U
Bromodichloromethane	SW8260B	5.1 U	490 U	--	190 U	220 U	4.5 U
Bromoform (tribromomethane)	SW8260B	20 U	1900 U	--	770 U	900 U	18 U
Bromomethane (methyl bromide)	SW8260B	10 U	970 U	--	390 U	450 U	8.9 U
Carbon disulfide	SW8260B	62	440 J	--	1900 UJ	190 J	84 J
Carbon tetrachloride (tetrachloromethane)	SW8260B	5.1 U	490 U	--	190 U	220 U	4.5 U
Chlorobenzene	SW8260B	96	490 U	--	190 U	220 U	4.5 U
Chloroethane	SW8260B	10 U	970 U	--	390 U	450 U	8.9 U
Chloroform	SW8260B	7.6 U	730 U	--	290 U	340 U	6.7 U

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2036	Spring Surface Sediment 2037	Spring Surface Sediment 2038	Spring Surface Sediment 2039	Spring Surface Sediment 2040	Spring Surface Sediment 2041
Task		East Branch	East Branch	East Branch	East Branch	English Kills	English Kills
Tributary		0.29	0.32	0.36	0.36	0.08	0.09
River Mile							
Location ID		EB008SG_20120508	EB009SG_20120508	EB010SG_20120420	EB010SG_20120420	EK002SG_20120425	EK001SG_20120418
Sample ID		EB008SG-000015-20120508	EB009SG-000015-20120508	EB010SG-000003-20120420	EB010SG-000009-20120420	EK002SG-000015-20120425	EK001SG-000015-20120418
Sample Date		5/8/2012	5/8/2012	4/20/2012	4/20/2012	4/25/2012	4/18/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 9 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		9.8	7.7	5.1	5.1	20.2	11.5
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Chloromethane	SW8260B	26 U	2400 U	--	970 U	1100 U	22 U
Cyclohexane	SW8260B	100 U	9700 U	--	3900 U	4500 U	89 U
Dibromochloromethane	SW8260B	5.1 U	490 U	--	190 U	220 U	4.5 U
Dichlorodifluoromethane	SW8260B	51 U	4900 U	--	1900 UJ	2200 UJ	45 UJ
Dichloromethane (methylene chloride)	SW8260B	51 U	4900 U	--	1900 UJ	2200 U	45 U
Ethylbenzene	SW8260B	11	490 U	--	190 U	220 U	4.5 U
Ethylene dibromide (1,2-Dibromoethane)	SW8260B	20 U	1900 U	--	770 U	900 U	18 U
Isopropylbenzene (cumene)	SW8260B	2.7 J	490 U	--	120 J	300	4.5 U
m,p-Xylene	SW8260B	11	970 U	--	390 U	220 J	8.9 U
Methyl acetate	SW8260B	100 U	9700 U	--	3900 U	4500 U	89 U
Methyl isobutyl ketone (4-methyl-2-pentanone [MIBK])	SW8260B	51 U	4900 U	--	1900 U	540 J	45 U
Methyl tert-butyl ether (MTBE)	SW8260B	10 U	970 U	--	390 U	450 U	35
Methylcyclohexane	SW8260B	20 U	1900 U	--	770 U	900 U	18 U
o-Xylene	SW8260B	5.8 J	970 U	--	390 U	450 U	8.9 U
Styrene	SW8260B	10 U	970 U	--	390 U	450 U	8.9 U
Tetrachloroethene (PCE)	SW8260B	5.1 U	490 U	--	190 U	220 U	4.5 U
Toluene	SW8260B	12	730 U	--	290 U	340 U	6.7 U
Total BTEX (U = 0)	--	43.1 J	970 U	--	390 U	400 J	8.9 U
Total BTEX (U = 1/2)	--	43.1 J	970 U	--	390 U	905 J	8.9 U
Total xylene (U = 0)	--	16.8 J	970 U	--	390 U	220 J	8.9 U
Total xylene (U = 1/2)	--	16.8 J	970 U	--	390 U	445 J	8.9 U
Trichloroethene (TCE)	SW8260B	5.1 U	490 U	--	190 U	220 U	4.5 U
Trichlorofluoromethane (fluorotrichloromethane)	SW8260B	26 U	2400 U	--	970 U	1100 U	22 U
Vinyl acetate	SW8260B	51 U	4900 U	--	1900 U	2200 U	45 U
Vinyl chloride	SW8260B	10 U	970 U	--	390 U	450 U	8.9 U
Semivolatile Organics (µg/kg)							
1,2,4,5-Tetrachlorobenzene	SW8270C	3200 U	3000 U	--	1700 U	900 U	3000 U
1,4-Dioxane	SW8270C	6400 U	6100 U	--	3400 U	1800 U	6000 U
2,3,4,6-Tetrachlorophenol	SW8270C	3200 U	3000 U	--	1700 U	900 U	3000 UJ
2,4,5-Trichlorophenol	SW8270C	3200 U	3000 U	--	1700 U	900 U	3000 U
2,4,6-Trichlorophenol	SW8270C	3200 U	3000 U	--	1700 U	900 U	3000 U

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2036	Spring Surface Sediment 2037	Spring Surface Sediment 2038	Spring Surface Sediment 2039	Spring Surface Sediment 2040	Spring Surface Sediment 2041
Task		East Branch	East Branch	East Branch	East Branch	English Kills	English Kills
Tributary		0.29	0.32	0.36	0.36	0.08	0.09
River Mile							
Location ID		EB008SG_20120508	EB009SG_20120508	EB010SG_20120420	EB010SG_20120420	EK002SG_20120425	EK001SG_20120418
Sample ID		EB008SG-000015-20120508	EB009SG-000015-20120508	EB010SG-000003-20120420	EB010SG-000009-20120420	EK002SG-000015-20120425	EK001SG-000015-20120418
Sample Date		5/8/2012	5/8/2012	4/20/2012	4/20/2012	4/25/2012	4/18/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 9 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		9.8	7.7	5.1	5.1	20.2	11.5
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
2,4-Dichlorophenol	SW8270C	640 U	610 U	--	350 U	180 U	600 U
2,4-Dimethylphenol	SW8270C	-- R	-- R	--	1700 U	900 U	3000 U
2,4-Dinitrophenol	SW8270C	16000 U	15000 U	--	8800 U	4700 U	15000 U
2,4-Dinitrotoluene	SW8270C	3200 U	3000 U	--	1700 U	900 U	3000 U
2,6-Dinitrotoluene	SW8270C	3200 U	3000 U	--	1700 U	900 U	3000 UJ
2-Chloronaphthalene	SW8270C	640 U	610 U	--	350 U	180 U	600 U
2-Chlorophenol	SW8270C	3200 U	3000 U	--	1700 U	900 U	3000 U
2-Methylnaphthalene	SW8270C	140 J	180 J	--	130 J	2500	860
2-Methylphenol (o-Cresol)	SW8270C	3200 UJ	3000 UJ	--	1700 U	900 U	3000 U
2-Nitroaniline	SW8270C	16000 U	15000 U	--	8800 U	4700 U	15000 U
2-Nitrophenol	SW8270C	3200 U	3000 U	--	1700 U	900 U	3000 U
3,3'-Dichlorobenzidine	SW8270C	3200 U	3000 U	--	1700 U	900 U	3000 U
3-methylphenol and 4-methylphenol (m&p-cresol)	SW8270C	3200 U	460 J	--	1700 U	320 J	3000 U
3-Nitroaniline	SW8270C	16000 U	15000 U	--	8800 U	4700 U	15000 U
4-Bromophenyl-phenyl ether	SW8270C	3200 U	3000 U	--	1700 U	900 U	3000 U
4-Chloro-3-methylphenol	SW8270C	3200 U	3000 U	--	1700 U	900 U	3000 U
4-Chloroaniline	SW8270C	3200 U	350 J	--	430 J	900 U	590 J
4-Chlorophenyl phenyl ether	SW8270C	3200 U	3000 U	--	1700 U	900 U	3000 U
4-Nitroaniline	SW8270C	16000 U	15000 U	--	8800 U	4700 U	15000 UJ
4-Nitrophenol	SW8270C	16000 UJ	15000 UJ	--	8800 U	4700 U	15000 UJ
Acenaphthene	SW8270C	160 J	340 J	--	490	9600 J	6300
Acenaphthylene	SW8270C	79 J	100 J	--	180 J	8200 J	1500
Acetophenone	SW8270C	3200 U	3000 U	--	1700 U	1100	470 J
Anthracene	SW8270C	240 J	370 J	--	880	17000 J	2700
Atrazine	SW8270C	3200 U	3000 U	--	1700 U	900 U	3000 U
Benzaldehyde	SW8270C	1900 J	2000 J	--	1100 J	900 UJ	2100 J
Benzo(a)anthracene	SW8270C	1100 J	1500	--	2600	23000 J	8300 J
Benzo(a)pyrene	SW8270C	690 J	1200 J	--	2300	22000 J	7200 J
Benzo(b)fluoranthene	SW8270C	2900 J	3200 J	--	3400	7300 J	7800 J
Benzo(g,h,i)perylene	SW8270C	530 J	690 J	--	1600	13000 J	4600 J
Benzo(k)fluoranthene	SW8270C	400 J	670 J	--	1200	15000 J	3700 J
Biphenyl (1,1'-Biphenyl)	SW8270C	3200 UJ	3000 UJ	--	1700 U	900 U	410 J

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2036	Spring Surface Sediment 2037	Spring Surface Sediment 2038	Spring Surface Sediment 2039	Spring Surface Sediment 2040	Spring Surface Sediment 2041
Task		East Branch	East Branch	East Branch	East Branch	English Kills	English Kills
Tributary		0.29	0.32	0.36	0.36	0.08	0.09
River Mile							
Location ID		EB008SG_20120508	EB009SG_20120508	EB010SG_20120420	EB010SG_20120420	EK002SG_20120425	EK001SG_20120418
Sample ID		EB008SG-000015-20120508	EB009SG-000015-20120508	EB010SG-000003-20120420	EB010SG-000009-20120420	EK002SG-000015-20120425	EK001SG-000015-20120418
Sample Date		5/8/2012	5/8/2012	4/20/2012	4/20/2012	4/25/2012	4/18/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 9 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		9.8	7.7	5.1	5.1	20.2	11.5
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
bis(2-Chloroethoxy)methane	SW8270C	3200 U	3000 U	--	1700 U	900 U	3000 U
bis(2-Chloroethyl)ether	SW8270C	640 U	610 U	--	350 U	180 U	600 U
bis(2-Chloroisopropyl)ether	SW8270C	640 UJ	610 UJ	--	350 U	180 U	600 U
Bis(2-ethylhexyl)phthalate	SW8270C	13000 J	21000	--	58000	31000 J	48000 J
Butylbenzyl phthalate	SW8270C	540 J	910 J	--	780 J	900 U	3000 U
Caprolactam	SW8270C	16000 U	15000 U	--	8800 U	4700 UJ	15000 UJ
Carbazole	SW8270C	170 J	290 J	--	320 J	180 U	350 J
Chrysene	SW8270C	1100 J	1700	--	3300	21000 J	7700
Dibenzo(a,h)anthracene	SW8270C	1700 J	1800 J	--	1100	2900	2300 J
Dibenzofuran	SW8270C	3200 U	3000 U	--	1700 U	900 U	2000 J
Diethyl phthalate	SW8270C	3200 U	3000 U	--	1700 U	900 U	3000 U
Dimethyl phthalate	SW8270C	3200 U	3000 U	--	1700 U	900 U	3000 U
Di-n-butyl phthalate	SW8270C	3200 U	3000 U	--	220 J	900 U	420 J
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)	SW8270C	16000 UJ	15000 UJ	--	8800 UJ	4700 UJ	15000 UJ
Di-n-octyl phthalate	SW8270C	570 J	650 J	--	1100 J	1900 J	390 J
Fluoranthene	SW8270C	2100 J	2600	--	7700	36000 J	26000
Fluorene	SW8270C	160 J	270 J	--	150 J	180 U	2500
Hexachlorobenzene	SW8270C	640 U	610 U	--	350 U	180 U	600 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270C	640 U	610 U	--	350 U	180 U	600 U
Hexachlorocyclopentadiene	SW8270C	3200 U	3000 U	--	1700 UJ	900 U	3000 UJ
Hexachloroethane	SW8270C	3200 U	3000 U	--	1700 U	900 U	3000 U
Indeno(1,2,3-c,d)pyrene	SW8270C	1600 J	1600 J	--	1800	7200 J	4400 J
Isophorone	SW8270C	3200 U	3000 U	--	1700 U	900 U	3000 U
Naphthalene	SW8270C	140 J	220 J	--	240 J	6800	2300
Nitrobenzene	SW8270C	6400 U	6100 U	--	3400 U	1800 U	6000 U
N-Nitrosodi-N-propylamine	SW8270C	640 UJ	610 UJ	--	350 U	180 U	600 U
N-Nitrosodiphenylamine	SW8270C	3200 U	3000 U	--	1700 U	900 U	3000 U
Pentachlorophenol	SW8270C	3200 UJ	3000 UJ	--	1700 U	900 U	3000 U
Phenanthrene	SW8270C	1300 J	2100	--	2600	11000 J	12000
Phenol	SW8270C	640 U	610 U	--	350 U	180 U	170 J
Pyrene	SW8270C	1600 J	2600	--	5200	21000 J	17000 J

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2036	Spring Surface Sediment 2037	Spring Surface Sediment 2038	Spring Surface Sediment 2039	Spring Surface Sediment 2040	Spring Surface Sediment 2041
Tributary		East Branch	East Branch	East Branch	East Branch	English Kills	English Kills
River Mile		0.29	0.32	0.36	0.36	0.08	0.09
Location ID		EB008SG_20120508	EB009SG_20120508	EB010SG_20120420	EB010SG_20120420	EK002SG_20120425	EK001SG_20120418
Sample ID		EB008SG-000015-20120508	EB009SG-000015-20120508	EB010SG-000003-20120420	EB010SG-000009-20120420	EK002SG-000015-20120425	EK001SG-000015-20120418
Sample Date		5/8/2012	5/8/2012	4/20/2012	4/20/2012	4/25/2012	4/18/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 9 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		9.8	7.7	5.1	5.1	20.2	11.5
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total cresol (o,m,p) (U = 0)	--	3200 UJ	460 J	--	1700 U	320 J	3000 U
Total cresol (o,m,p) (U = 1/2)	--	3200 UJ	1960 J	--	1700 U	770 J	3000 U
Polycyclic Aromatic Hydrocarbons (µg/kg)							
1,6,7-Trimethylnaphthalene	SW8270CMSIM	258	283	--	765	17400	196
1-Methyldibenzothiophene	SW8270CMSIM	69.8 J	79.9 J	--	93.8	2870	143
1-Methylnaphthalene	SW8270CMSIM	256	402	--	122	6700	460
1-Methylphenanthrene	SW8270CMSIM	650	775	--	903	20600	578
2,6-Dimethylnaphthalene	SW8270CMSIM	644	753	--	1220	15700	516
2-Methylantracene	SW8270CMSIM	138	254	--	220	7630	564
2-Methyldibenzothiophene and 3-methyldibenzothiophene	SW8270CMSIM	96.1	101	--	158	9400	237
2-Methylnaphthalene	SW8270CMSIM	368	602	--	172	4220	742
2-Methylphenanthrene	SW8270CMSIM	872	1090	--	367	6360	566
4-Methyldibenzothiophene	SW8270CMSIM	202	199	--	375	13900	290
4-Methylphenanthrene and 9-methylphenanthrene	SW8270CMSIM	543	659	--	914	18400	566
Acenaphthene	SW8270CMSIM	476	920	--	604	14900	4380
Acenaphthylene	SW8270CMSIM	207	259	--	166	5820	740
Anthracene	SW8270CMSIM	995	2300	--	1100	21100	1930
Benzo(a)anthracene	SW8270CMSIM	3220	4370	--	3020	23700	5160
Benzo(a)pyrene	SW8270CMSIM	3710	4610	--	3040	20800	5210
Benzo(b)fluoranthene	SW8270CMSIM	4700	5390	--	3440	12300	5080
Benzo(e)pyrene	SW8270CMSIM	3420	3640	--	2450	12200	4000
Benzo(g,h,i)perylene	SW8270CMSIM	2970	3310	--	2340	10200	3140
Benzo(j,k)fluoranthene	SW8270CMSIM	3050	3590	--	2770	11900	4000
Benzonaphthothiophene	SW8270CMSIM	1380	1440	--	1000	8750	2130
Benzothiophene	SW8270CMSIM	84.9 U	81.2 U	--	23.4 J	465	63.4
Carbazole	SW8270CMSIM	694	1190	--	350	531	298
Chrysene	SW8270CMSIM	4770	5420	--	3870	22100	5550
Decalin, cis and trans-	SW8270CMSIM	327	333	--	440	6220	93.6
Dibenzo(a,h)anthracene and dibenzo(a,c)anthracene	SW8270CMSIM	828	870	--	576	2900	1010
Dibenzothiophene	SW8270CMSIM	330	565	--	400	4770	788

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2036	Spring Surface Sediment 2037	Spring Surface Sediment 2038	Spring Surface Sediment 2039	Spring Surface Sediment 2040	Spring Surface Sediment 2041
Tributary		East Branch	East Branch	East Branch	East Branch	English Kills	English Kills
River Mile		0.29	0.32	0.36	0.36	0.08	0.09
Location ID		EB008SG_20120508	EB009SG_20120508	EB010SG_20120420	EB010SG_20120420	EK002SG_20120425	EK001SG_20120418
Sample ID		EB008SG-000015-20120508	EB009SG-000015-20120508	EB010SG-000003-20120420	EB010SG-000009-20120420	EK002SG-000015-20120425	EK001SG-000015-20120418
Sample Date		5/8/2012	5/8/2012	4/20/2012	4/20/2012	4/25/2012	4/18/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 9 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		9.8	7.7	5.1	5.1	20.2	11.5
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Fluoranthene	SW8270CMSIM	9930	13400	--	8490	41700	642
Fluorene	SW8270CMSIM	506	1060	--	245	1040	1480
Indeno(1,2,3-c,d)pyrene	SW8270CMSIM	2990	3500	--	2450	10000	2970
Naphthalene	SW8270CMSIM	416	694	--	207	12200	2000
Perylene	SW8270CMSIM	947	1180	--	765	3530	1040
Phenanthrene	SW8270CMSIM	5170	9380	--	2540	11500	8700
Pyrene	SW8270CMSIM	8320	10800	--	7150	59200	16800
Retene	SW8270CMSIM	3850	5760	--	660	11500	45.7 U
Total benzofluoranthenes (U = 0)	--	7750	8980	--	6210	24200	9080
Total benzofluoranthenes (U = 1/2)	--	7750	8980	--	6210	24200	9080
Total cPAH TEQ (USEPA 1993) (U = 0)	--	5664.27	6847.32	--	4538.57	28441.1	7586.55
Total cPAH TEQ (USEPA 1993) (U = 1/2)	--	5664.27	6847.32	--	4538.57	28441.1	7586.55
Total HPAH (9 of 16) (U = 0)	--	44488	55260	--	37146	214800	49562
Total HPAH (9 of 16) (U = 1/2)	--	44488	55260	--	37146	214800	49562
Total LPAH (7 of 16) (U = 0)	--	8138	15215	--	5034	70780	19972
Total LPAH (7 of 16) (U = 1/2)	--	8138	15215	--	5034	70780	19972
Total PAH (16) (U = 0)	--	52626	70475	--	42180	285580	69534
Total PAH (16) (U = 1/2)	--	52626	70475	--	42180	285580	69534
Alkylated Polycyclic Aromatic Hydrocarbons (µg/kg)							
C1-Benzo(a)anthracenes/chrysenes	SW8270CMSIM	2200	2060	--	1660	23600	3920
C1-Benzo(b)thiophenes	SW8270CMSIM	133	106	--	171	2010	85.6
C1-Decalins	SW8270CMSIM	656	675	--	928	20900	783
C1-Dibenzothiophenes	SW8270CMSIM	437	443	--	695	28300	774
C1-Fluoranthenes/Pyrenes	SW8270CMSIM	3790	4560	--	3490	54800	9830
C1-Fluorenes	SW8270CMSIM	461	576	--	841	16900	609
C1-Naphthalenes	SW8270CMSIM	435	685	--	193	6740	705
C1-Phenanthrenes/Anthracenes	SW8270CMSIM	2990	3730	--	3400	71000	3560
C2-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	1780	1720	--	1360	19400	2870
C2-Benzo(b)thiophenes	SW8270CMSIM	90.3	136	--	95.3	3680	111
C2-Decalins	SW8270CMSIM	1190	1120	--	1320	24100	1760
C2-Dibenzothiophenes	SW8270CMSIM	1090	980	--	1580	41500	2210
C2-Fluorenes	SW8270CMSIM	1410	1230	--	2840	49600	1810
C2-Naphthalenes	SW8270CMSIM	1420	1730	--	2420	39000	861

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2036	Spring Surface Sediment 2037	Spring Surface Sediment 2038	Spring Surface Sediment 2039	Spring Surface Sediment 2040	Spring Surface Sediment 2041
Tributary		East Branch	East Branch	East Branch	East Branch	English Kills	English Kills
River Mile		0.29	0.32	0.36	0.36	0.08	0.09
Location ID		EB008SG_20120508	EB009SG_20120508	EB010SG_20120420	EB010SG_20120420	EK002SG_20120425	EK001SG_20120418
Sample ID		EB008SG-000015-20120508	EB009SG-000015-20120508	EB010SG-000003-20120420	EB010SG-000009-20120420	EK002SG-000015-20120425	EK001SG-000015-20120418
Sample Date		5/8/2012	5/8/2012	4/20/2012	4/20/2012	4/25/2012	4/18/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 9 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		9.8	7.7	5.1	5.1	20.2	11.5
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
C2-Phenanthrenes/Anthracenes	SW8270CMSIM	3570	3610	--	5130	92400	4950
C3-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	1840	2220	--	1320	13900	2160
C3-Benzo(b)thiophenes	SW8270CMSIM	196	215	--	242	9130	231
C3-Decalins	SW8270CMSIM	787	813	--	953	18000	1580
C3-Dibenzothiophenes	SW8270CMSIM	1420	1290	--	1710	28100	2560
C3-Fluorenes	SW8270CMSIM	2140	2180	--	3210	40300	2840
C3-Naphthalenes	SW8270CMSIM	2320	2500	--	4720	113000	1330
C3-Phenanthrenes/Anthracenes	SW8270CMSIM	2470	2520	--	2950	46300	4240
C4-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	1400	1510	--	827	6650	1010
C4-Benzo(b)thiophenes	SW8270CMSIM	238	215	--	266	8550	248
C4-Decalins	SW8270CMSIM	1190	1390	--	1560	29300	2600
C4-Dibenzothiophenes	SW8270CMSIM	903	889	--	1170	12500	1360
C4-Naphthalenes	SW8270CMSIM	2030	2120	--	4000	79700	2210
C4-Phenanthrenes/Anthracenes	SW8270CMSIM	2130	2550	--	1430	18400	2020
n-Alkanes and Isoprenoids (µg/kg)							
2,6,10-Trimethyldodecane	SW8015M	1390 J	1650 J	--	3130 J	59600	971 J
2,6,10-Trimethyltridecane	SW8015M	4160 J	4350 J	--	6070	103000 J	5950 J
n-Decane (C10)	SW8015M	5660 U	5420 U	--	3830 U	3440 J	3040 U
n-Docosane (C22)	SW8015M	4190 J	5520	--	1090 J	7540 J	469 J
n-Dodecane (C12)	SW8015M	1950 J	2480 J	--	1020 J	5840 J	703 J
n-Dotriacontane (C32)	SW8015M	13100	44900	--	13100	6050 J	1470 J
n-Eicosane (C20)	SW8015M	5680	6700	--	1710 J	12900	3040 U
n-Heneicosane (C21)	SW8015M	5710	7580	--	1560 J	10200 U	1460 J
n-Hentriacontane (C31)	SW8015M	70100	113000	--	8650	32600	12400
n-Heptacosane (C27)	SW8015M	38100	45200	--	5590	4910 J	2840 J
n-Heptadecane (C17)	SW8015M	7860	8910	--	3830 U	10200 U	1970 J
n-Heptatriacontane (C37)	SW8015M	5800	11600	--	2130 J	10200 U	974 J
n-Hexacosane (C26)	SW8015M	13100	16400	--	3410 J	12500	2410 J
n-Hexadecane (C16)	SW8015M	5840	8110	--	1300 J	35100	1030 J
n-Hexatriacontane (C36)	SW8015M	5290 J	13500	--	1740 J	10200 U	2280 J
n-Nonacosane (C29)	SW8015M	96000	189000	--	17200	10200 U	2310 J
n-Nonadecane (C19)	SW8015M	5150 J	5700	--	1470 J	5360 J	907 J
n-Nonane (C9)	SW8015M	5660 U	5420 U	--	3830 U	10200 U	3040 U

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2036	Spring Surface Sediment 2037	Spring Surface Sediment 2038	Spring Surface Sediment 2039	Spring Surface Sediment 2040	Spring Surface Sediment 2041
Task		East Branch	East Branch	East Branch	East Branch	English Kills	English Kills
Tributary		0.29	0.32	0.36	0.36	0.08	0.09
River Mile							
Location ID		EB008SG_20120508	EB009SG_20120508	EB010SG_20120420	EB010SG_20120420	EK002SG_20120425	EK001SG_20120418
Sample ID		EB008SG-000015-20120508	EB009SG-000015-20120508	EB010SG-000003-20120420	EB010SG-000009-20120420	EK002SG-000015-20120425	EK001SG-000015-20120418
Sample Date		5/8/2012	5/8/2012	4/20/2012	4/20/2012	4/25/2012	4/18/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 9 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		9.8	7.7	5.1	5.1	20.2	11.5
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
n-Nonatriacontane (C39)	SW8015M	4420 J	7100	--	1950 J	10200 U	998 J
n-Octacosane (C28)	SW8015M	13000	29600	--	3620 J	10200 U	3040 U
n-Octadecane (C18)	SW8015M	12300 J	19600 J	--	3410 J	13600 J	12900 J
n-Octatriacontane (C38)	SW8015M	4860 J	8230	--	1590 J	10200 U	1330 J
Norpristane	SW8015M	3870 J	4870 J	--	7410	97800	3770
n-Pentacosane (C25)	SW8015M	25500 J	30600 J	--	4820 J	49000 J	15800 J
n-Pentadecane (C15)	SW8015M	6740	8590	--	2230 J	13200	1160 J
n-Pentatriacontane (C35)	SW8015M	15500	22800	--	4260	8700 J	2520 J
n-Tetracontane (C40)	SW8015M	3410 J	4870 J	--	1360 J	10200 U	1010 J
n-Tetracosane (C24)	SW8015M	6420	8000	--	2020 J	10200 U	3040 U
n-Tetradecane (C14)	SW8015M	4080 J	4840 J	--	946 J	10600	1180 J
n-Tetratriacontane (C34)	SW8015M	14000	28700	--	5840	5100 J	3040 U
n-Triacontane (C30)	SW8015M	15300	39600	--	4940	10800	2160 J
n-Tricosane (C23)	SW8015M	7050	9550	--	1050 J	7960 J	2590 J
n-Tridecane (C13)	SW8015M	3060 J	3670 J	--	3830 U	10200 U	3160
n-Tritriacontane (C33)	SW8015M	30900	53000	--	12200	29500	3280
n-Undecane (C11)	SW8015M	1720 J	1670 J	--	1360 J	5420 J	3040 U
Pesticides (µg/kg)							
2,4'-DDD (o,p'-DDD)	SW8081A	0.4 U	-- R	--	13 J	100	17 J
2,4'-DDE (o,p'-DDE)	SW8081A	2.2 J	0.63 J	--	22 J	94 J	20 J
2,4'-DDT (o,p'-DDT)	SW8081A	1.7 J	0.81 J	--	0.22 U	1.1 U	0.37 U
4,4'-DDD (p,p'-DDD)	SW8081A	18	20 J	--	47	49	32 J
4,4'-DDE (p,p'-DDE)	SW8081A	11 J	15 J	--	15 J	270 J	32 J
4,4'-DDT (p,p'-DDT)	SW8081A	12 J	11 J	--	14 J	1.1 U	18 J
Aldrin	SW8081A	0.83 J	1.5 J	--	4.8 J	4.5 J	2.3 J
alpha-Hexachlorocyclohexane (BHC)	SW8081A	0.4 U	0.38 U	--	0.1 J	1.1 U	1.2 J
Chlordane, alpha- (cis-Chlordane)	SW8081A	22	28 J	--	42	1.1 U	22
Chlordane, beta- (trans-Chlordane)	SW8081A	0.4 U	-- R	--	0.22 U	98 J	0.37 U
delta-Hexachlorocyclohexane (BHC)	SW8081A	0.11 J	0.15 J	--	1.2 J	1.1 U	1.2 J
Dieldrin	SW8081A	0.4 UJ	4.9 J	--	10 J	55	8.7 J
Endosulfan sulfate	SW8081A	0.14 J	0.1 J	--	2.4 J	1.1 U	3.5 J
Endosulfan-alpha (I)	SW8081A	0.4 U	-- R	--	0.22 U	1.1 U	0.37 U
Endosulfan-beta (II)	SW8081A	0.4 UJ	0.38 UJ	--	0.22 U	1.1 U	0.37 U

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2036	Spring Surface Sediment 2037	Spring Surface Sediment 2038	Spring Surface Sediment 2039	Spring Surface Sediment 2040	Spring Surface Sediment 2041
Task		East Branch	East Branch	East Branch	East Branch	English Kills	English Kills
Tributary		0.29	0.32	0.36	0.36	0.08	0.09
River Mile							
Location ID		EB008SG_20120508	EB009SG_20120508	EB010SG_20120420	EB010SG_20120420	EK002SG_20120425	EK001SG_20120418
Sample ID		EB008SG-000015-20120508	EB009SG-000015-20120508	EB010SG-000003-20120420	EB010SG-000009-20120420	EK002SG-000015-20120425	EK001SG-000015-20120418
Sample Date		5/8/2012	5/8/2012	4/20/2012	4/20/2012	4/25/2012	4/18/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 9 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		9.8	7.7	5.1	5.1	20.2	11.5
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Endrin	SW8081A	0.4 UJ	0.38 UJ	--	1.9 J	13	3.9 J
Endrin aldehyde	SW8081A	0.8 J	1.1 J	--	-- R	4.4 J	2.7 J
Endrin ketone	SW8081A	0.4 UJ	1.7 J	--	-- R	5.8 J	3.5 J
Heptachlor	SW8081A	4.3 J	4.1 J	--	0.22 U	1.1 U	0.37 U
Heptachlor epoxide	SW8081A	0.4 UJ	0.38 UJ	--	0.78 J	11 J	6.4 J
Hexachlorobenzene	SW8081A	1.4	1.9 J	--	2 J	18 J	2.5
Hexachlorocyclohexane, beta- (BHC)	SW8081A	0.4 U	-- R	--	0.22 U	1.1 U	0.34 J
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	SW8081A	0.14 J	0.22 J	--	0.22 U	3 J	0.37 U
Methoxychlor	SW8081A	1.4 J	5.9 J	--	0.43 U	39 J	0.75 U
Mirex	SW8081A	0.24 J	0.43 J	--	0.22 U	1.1 U	0.37 U
Nonachlor, cis-	SW8081A	2.2 J	3.1 J	--	8.1 J	16	6.1 J
Nonachlor, trans-	SW8081A	0.4 U	0.3 J	--	0.22 U	13 J	0.37 U
Oxychlordane	SW8081A	0.26 J	0.41 J	--	0.75 J	44	0.37 U
Sum DDD (U = 0)	--	18	20 J	--	60 J	149	49 J
Sum DDD (U = 1/2)	--	18.2	20 J	--	60 J	149	49 J
Sum DDE (U = 0)	--	13.2 J	15.63 J	--	37 J	364 J	52 J
Sum DDE (U = 1/2)	--	13.2 J	15.63 J	--	37 J	364 J	52 J
Sum DDT (U = 0)	--	13.7 J	11.81 J	--	14 J	1.1 U	18 J
Sum DDT (U = 1/2)	--	13.7 J	11.81 J	--	14.11 J	1.1 U	18.18 J
Total chlordane (U = 0)	--	24.46 J	31.81 J	--	50.85 J	171 J	28.1 J
Total chlordane (U = 1/2)	--	24.86 J	31.81 J	--	51.07 J	171.6 J	28.65 J
Total DDx (U = 0)	--	44.9 J	47.44 J	--	111 J	513 J	119 J
Total DDx (U = 1/2)	--	45.1 J	47.44 J	--	111.11 J	514.1 J	119.19 J
Toxaphene	SW8081A	16 U	-- R	--	8.6 U	46 U	15 U
Pesticides - High Resolution (µg/kg)							
2,4'-DDD (o,p'-DDD)	E1699	--	--	--	23	--	--
2,4'-DDE (o,p'-DDE)	E1699	--	--	--	1.5	--	--
2,4'-DDT (o,p'-DDT)	E1699	--	--	--	2.2	--	--
4,4'-DDD (p,p'-DDD)	E1699	--	--	--	81	--	--
4,4'-DDE (p,p'-DDE)	E1699	--	--	--	36	--	--
4,4'-DDT (p,p'-DDT)	E1699	--	--	--	11	--	--
Aldrin	E1699	--	--	--	0.044 U	--	--

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2036	Spring Surface Sediment 2037	Spring Surface Sediment 2038	Spring Surface Sediment 2039	Spring Surface Sediment 2040	Spring Surface Sediment 2041
Task		East Branch	East Branch	East Branch	East Branch	English Kills	English Kills
Tributary		0.29	0.32	0.36	0.36	0.08	0.09
River Mile							
Location ID		EB008SG_20120508	EB009SG_20120508	EB010SG_20120420	EB010SG_20120420	EK002SG_20120425	EK001SG_20120418
Sample ID		EB008SG-000015-20120508	EB009SG-000015-20120508	EB010SG-000003-20120420	EB010SG-000009-20120420	EK002SG-000015-20120425	EK001SG-000015-20120418
Sample Date		5/8/2012	5/8/2012	4/20/2012	4/20/2012	4/25/2012	4/18/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 9 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		9.8	7.7	5.1	5.1	20.2	11.5
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
alpha-Hexachlorocyclohexane (BHC)	E1699	--	--	--	0.21 U	--	--
Chlordane, alpha- (cis-Chlordane)	E1699	--	--	--	59	--	--
Chlordane, beta- (trans-Chlordane)	E1699	--	--	--	65	--	--
delta-Hexachlorocyclohexane (BHC)	E1699	--	--	--	0.17 U	--	--
Dieldrin	E1699	--	--	--	16	--	--
Endosulfan sulfate	E1699	--	--	--	0.14 U	--	--
Endosulfan-alpha (I)	E1699	--	--	--	0.33 U	--	--
Endosulfan-beta (II)	E1699	--	--	--	2.3	--	--
Endrin	E1699	--	--	--	0.17 U	--	--
Endrin aldehyde	E1699	--	--	--	0.3 U	--	--
Endrin ketone	E1699	--	--	--	0.5 U	--	--
Heptachlor	E1699	--	--	--	0.087 UJ	--	--
Heptachlor epoxide	E1699	--	--	--	1.1 J	--	--
Hexachlorobenzene	E1699	--	--	--	5.9	--	--
Hexachlorocyclohexane, beta- (BHC)	E1699	--	--	--	0.32 J	--	--
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	E1699	--	--	--	0.04 U	--	--
Methoxychlor	E1699	--	--	--	0.55 U	--	--
Mirex	E1699	--	--	--	1.9	--	--
Nonachlor, cis-	E1699	--	--	--	12	--	--
Nonachlor, trans-	E1699	--	--	--	36	--	--
Oxychlordane	E1699	--	--	--	0.29 J	--	--
Sum DDD high resolution (U = 0)	--	--	--	--	104	--	--
Sum DDD high resolution (U = 1/2)	--	--	--	--	104	--	--
Sum DDE high resolution (U = 0)	--	--	--	--	37.5	--	--
Sum DDE high resolution (U = 1/2)	--	--	--	--	37.5	--	--
Sum DDT high resolution (U = 0)	--	--	--	--	13.2	--	--
Sum DDT high resolution (U = 1/2)	--	--	--	--	13.2	--	--
Total chlordane high resolution (U = 0)	--	--	--	--	172.29 J	--	--
Total chlordane high resolution (U = 1/2)	--	--	--	--	172.29 J	--	--
Total DDx high resolution (U = 0)	--	--	--	--	154.7	--	--
Total DDx high resolution (U = 1/2)	--	--	--	--	154.7	--	--
Toxaphene	E1699	--	--	--	120 U	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2036	Spring Surface Sediment 2037	Spring Surface Sediment 2038	Spring Surface Sediment 2039	Spring Surface Sediment 2040	Spring Surface Sediment 2041
Tributary		East Branch	East Branch	East Branch	East Branch	English Kills	English Kills
River Mile		0.29	0.32	0.36	0.36	0.08	0.09
Location ID		EB008SG_20120508	EB009SG_20120508	EB010SG_20120420	EB010SG_20120420	EK002SG_20120425	EK001SG_20120418
Sample ID		EB008SG-000015-20120508	EB009SG-000015-20120508	EB010SG-000003-20120420	EB010SG-000009-20120420	EK002SG-000015-20120425	EK001SG-000015-20120418
Sample Date		5/8/2012	5/8/2012	4/20/2012	4/20/2012	4/25/2012	4/18/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 9 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		9.8	7.7	5.1	5.1	20.2	11.5
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Herbicides (µg/kg)							
2,2-Dichloropropionic acid (dalapon)	SW8151A	430 U	410 U	--	230 U	250 U	410 U
2,4,5-T (2,4,5-trichlorophenoxyacetic acid)	SW8151A	96 U	91 U	--	52 U	21 J	90 U
2,4,5-TP (Silvex)	SW8151A	96 U	91 U	--	52 U	26 J	90 U
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	380 U	28 J	--	210 U	220 U	360 U
2,4-DB (2,4-D derivative)	SW8151A	380 U	360 U	--	45 J	220 U	360 U
Dicamba	SW8151A	190 U	180 U	--	100 U	110 U	180 U
Dichlorprop	SW8151A	380 U	170 J	--	210 U	440 J	360 U
Dinoseb	SW8151A	58 UJ	55 UJ	--	31 UJ	37 J	54 UJ
Mecoprop (MCP)	SW8151A	38000 U	36000 U	--	21000 U	22000 U	36000 U
Mephanac (MCPA)	SW8151A	38000 U	36000 U	--	21000 U	22000 U	36000 U
Dioxin Furans (ng/kg)							
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	--	--	--	1.28	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	--	--	--	8.78	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	--	--	16.1	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	--	--	47.4	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	--	--	38	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B	--	--	--	1110	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B	--	--	--	10000 J	--	--
Total tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	--	--	--	35.9 J	--	--
Total pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	--	--	--	61 J	--	--
Total hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	--	--	331	--	--

**Table A4-2
Surface Sediment Analytical Results**

		Spring Surface Sediment 2036	Spring Surface Sediment 2037	Spring Surface Sediment 2038	Spring Surface Sediment 2039	Spring Surface Sediment 2040	Spring Surface Sediment 2041
Task		East Branch	East Branch	East Branch	East Branch	English Kills	English Kills
Tributary		0.29	0.32	0.36	0.36	0.08	0.09
River Mile		EB008SG_20120508	EB009SG_20120508	EB010SG_20120420	EB010SG_20120420	EK002SG_20120425	EK001SG_20120418
Location ID		EB008SG-000015-20120508	EB009SG-000015-20120508	EB010SG-000003-20120420	EB010SG-000009-20120420	EK002SG-000015-20120425	EK001SG-000015-20120418
Sample ID		5/8/2012	5/8/2012	4/20/2012	4/20/2012	4/25/2012	4/18/2012
Sample Date		0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 9 cm	0 - 15 cm	0 - 15 cm
Sample Depth		9.8	7.7	5.1	5.1	20.2	11.5
Water Column Depth		N	N	N	N	N	N
Sample Type		SE	SE	SE	SE	SE	SE
Matrix							
Total heptachlorodibenzo-p-dioxin (HpCDD)	E1613B	--	--	--	2220	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B	--	--	--	7.21	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B	--	--	--	6.35	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B	--	--	--	15.5	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B	--	--	--	23.4	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B	--	--	--	20.4	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B	--	--	--	4.13 J	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B	--	--	--	24.1	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B	--	--	--	356	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B	--	--	--	19.6	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B	--	--	--	722	--	--
Total tetrachlorodibenzofuran (TCDF)	E1613B	--	--	--	176 J	--	--
Total pentachlorodibenzofuran (PeCDF)	E1613B	--	--	--	221 J	--	--
Total hexachlorodibenzofuran (HxCDF)	E1613B	--	--	--	436	--	--
Total heptachlorodibenzofuran (HpCDF)	E1613B	--	--	--	788	--	--
Total dioxin/furan TEQ 1998 (avian) (U = 0)	--	--	--	--	51.63 J	--	--
Total dioxin/furan TEQ 1998 (avian) (U = 1/2)	--	--	--	--	51.63 J	--	--
Total dioxin/furan TEQ 1998 (fish) (U = 0)	--	--	--	--	40.53 J	--	--
Total dioxin/furan TEQ 1998 (fish) (U = 1/2)	--	--	--	--	40.53 J	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2036	Spring Surface Sediment 2037	Spring Surface Sediment 2038	Spring Surface Sediment 2039	Spring Surface Sediment 2040	Spring Surface Sediment 2041
Tributary		East Branch	East Branch	East Branch	East Branch	English Kills	English Kills
River Mile		0.29	0.32	0.36	0.36	0.08	0.09
Location ID		EB008SG_20120508	EB009SG_20120508	EB010SG_20120420	EB010SG_20120420	EK002SG_20120425	EK001SG_20120418
Sample ID		EB008SG-000015-20120508	EB009SG-000015-20120508	EB010SG-000003-20120420	EB010SG-000009-20120420	EK002SG-000015-20120425	EK001SG-000015-20120418
Sample Date		5/8/2012	5/8/2012	4/20/2012	4/20/2012	4/25/2012	4/18/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 9 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		9.8	7.7	5.1	5.1	20.2	11.5
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total dioxin/furan TEQ 2005 (mammal) (U = 0)	--	--	--	--	51.05 J	--	--
Total dioxin/furan TEQ 2005 (mammal) (U = 1/2)	--	--	--	--	51.05 J	--	--
PCB Aroclors (µg/kg)							
Aroclor 1016	SW8082A	20 U	19 U	--	5.4 U	570 U	47 U
Aroclor 1221	SW8082A	20 U	19 U	--	5.4 U	570 U	47 U
Aroclor 1232	SW8082A	20 U	19 U	--	5.4 U	570 U	47 U
Aroclor 1242	SW8082A	56	73	--	890	15000	2500
Aroclor 1248	SW8082A	20 U	19 U	--	5.4 U	570 U	47 U
Aroclor 1254	SW8082A	110	120	--	780	21000	3300
Aroclor 1260	SW8082A	20 U	19 U	--	5.4 U	570 U	47 U
Aroclor 1262	SW8082A	20 U	19 U	--	5.4 U	570 U	47 U
Aroclor 1268	SW8082A	20 U	19 U	--	5.4 U	570 U	47 U
Total PCB Aroclors (U = 0)	--	166	193	--	1670	36000	5800
Total PCB Aroclors (U = 1/2)	--	236	259.5	--	1688.9	37995	5964.5
PCB Congeners (ng/kg)							
PCB-001	E1668B	--	--	--	1610	--	--
PCB-002	E1668B	--	--	--	72.2	--	--
PCB-003	E1668B	--	--	--	601	--	--
PCB-004	E1668B	--	--	--	4700	--	--
PCB-005	E1668B	--	--	--	247	--	--
PCB-006	E1668B	--	--	--	2440	--	--
PCB-007	E1668B	--	--	--	438	--	--
PCB-008	E1668B	--	--	--	11800	--	--
PCB-009	E1668B	--	--	--	761	--	--
PCB-010	E1668B	--	--	--	379	--	--
PCB-011	E1668B	--	--	--	1880	--	--
PCB-012/013	E1668B	--	--	--	821	--	--
PCB-014	E1668B	--	--	--	13.2 U	--	--
PCB-015	E1668B	--	--	--	6560	--	--
PCB-016	E1668B	--	--	--	14700	--	--
PCB-017	E1668B	--	--	--	13200	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2036	Spring Surface Sediment 2037	Spring Surface Sediment 2038	Spring Surface Sediment 2039	Spring Surface Sediment 2040	Spring Surface Sediment 2041
		Tributary	East Branch	East Branch	East Branch	East Branch	English Kills	English Kills
		River Mile	0.29	0.32	0.36	0.36	0.08	0.09
		Location ID	EB008SG_20120508	EB009SG_20120508	EB010SG_20120420	EB010SG_20120420	EK002SG_20120425	EK001SG_20120418
		Sample ID	EB008SG-000015-20120508	EB009SG-000015-20120508	EB010SG-000003-20120420	EB010SG-000009-20120420	EK002SG-000015-20120425	EK001SG-000015-20120418
		Sample Date	5/8/2012	5/8/2012	4/20/2012	4/20/2012	4/25/2012	4/18/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 9 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	9.8	7.7	5.1	5.1	20.2	11.5
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-018/030	E1668B	--	--	--	--	30300	--	--
PCB-019	E1668B	--	--	--	--	3640	--	--
PCB-020/028	E1668B	--	--	--	--	34400	--	--
PCB-021/033	E1668B	--	--	--	--	17500	--	--
PCB-022	E1668B	--	--	--	--	12800	--	--
PCB-023	E1668B	--	--	--	--	8.32 U	--	--
PCB-024	E1668B	--	--	--	--	8.42 U	--	--
PCB-025	E1668B	--	--	--	--	2380	--	--
PCB-026/029	E1668B	--	--	--	--	5110	--	--
PCB-027	E1668B	--	--	--	--	2620	--	--
PCB-031	E1668B	--	--	--	--	32000	--	--
PCB-032	E1668B	--	--	--	--	8180	--	--
PCB-034	E1668B	--	--	--	--	105 J	--	--
PCB-035	E1668B	--	--	--	--	510	--	--
PCB-036	E1668B	--	--	--	--	23.3 U	--	--
PCB-037	E1668B	--	--	--	--	7210	--	--
PCB-038	E1668B	--	--	--	--	25.6 U	--	--
PCB-039	E1668B	--	--	--	--	23 U	--	--
PCB-040/071	E1668B	--	--	--	--	16400 J	--	--
PCB-041	E1668B	--	--	--	--	3090 J	--	--
PCB-042	E1668B	--	--	--	--	10200 J	--	--
PCB-043	E1668B	--	--	--	--	1490 J	--	--
PCB-044/047/065	E1668B	--	--	--	--	42600 J	--	--
PCB-045	E1668B	--	--	--	--	--	--	--
PCB-045/051	E1668B	--	--	--	--	13600 J	--	--
PCB-046	E1668B	--	--	--	--	3280 J	--	--
PCB-048	E1668B	--	--	--	--	7770 J	--	--
PCB-049/069	E1668B	--	--	--	--	20700 J	--	--
PCB-050/053	E1668B	--	--	--	--	7850 J	--	--
PCB-051	E1668B	--	--	--	--	--	--	--
PCB-052	E1668B	--	--	--	--	46400 J	--	--
PCB-054	E1668B	--	--	--	--	854	--	--
PCB-055	E1668B	--	--	--	--	12700 J	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2036	Spring Surface Sediment 2037	Spring Surface Sediment 2038	Spring Surface Sediment 2039	Spring Surface Sediment 2040	Spring Surface Sediment 2041
		Tributary	East Branch	East Branch	East Branch	East Branch	English Kills	English Kills
		River Mile	0.29	0.32	0.36	0.36	0.08	0.09
		Location ID	EB008SG_20120508	EB009SG_20120508	EB010SG_20120420	EB010SG_20120420	EK002SG_20120425	EK001SG_20120418
		Sample ID	EB008SG-000015-20120508	EB009SG-000015-20120508	EB010SG-000003-20120420	EB010SG-000009-20120420	EK002SG-000015-20120425	EK001SG-000015-20120418
		Sample Date	5/8/2012	5/8/2012	4/20/2012	4/20/2012	4/25/2012	4/18/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 9 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	9.8	7.7	5.1	5.1	20.2	11.5
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-056	E1668B	--	--	--	--	7950 J	--	--
PCB-057	E1668B	--	--	--	--	752 J	--	--
PCB-058	E1668B	--	--	--	--	35.2 UJ	--	--
PCB-059/062/075	E1668B	--	--	--	--	2810 J	--	--
PCB-060	E1668B	--	--	--	--	142 J	--	--
PCB-061/070/074/076	E1668B	--	--	--	--	46900 J	--	--
PCB-063	E1668B	--	--	--	--	1020 J	--	--
PCB-064	E1668B	--	--	--	--	13400 J	--	--
PCB-066	E1668B	--	--	--	--	25700 J	--	--
PCB-067	E1668B	--	--	--	--	867 J	--	--
PCB-068	E1668B	--	--	--	--	139 J	--	--
PCB-072	E1668B	--	--	--	--	161 J	--	--
PCB-073	E1668B	--	--	--	--	8.97 UJ	--	--
PCB-077	E1668B	--	--	--	--	2250 J	--	--
PCB-078	E1668B	--	--	--	--	37.6 UJ	--	--
PCB-079	E1668B	--	--	--	--	32.6 UJ	--	--
PCB-080	E1668B	--	--	--	--	601 J	--	--
PCB-081	E1668B	--	--	--	--	267	--	--
PCB-082	E1668B	--	--	--	--	5790	--	--
PCB-083	E1668B	--	--	--	--	1900	--	--
PCB-084	E1668B	--	--	--	--	10800	--	--
PCB-085/116	E1668B	--	--	--	--	--	--	--
PCB-085/116/117	E1668B	--	--	--	--	6710	--	--
PCB-086/087/097/108/119/125	E1668B	--	--	--	--	26200	--	--
PCB-088	E1668B	--	--	--	--	--	--	--
PCB-088/091	E1668B	--	--	--	--	6540	--	--
PCB-089	E1668B	--	--	--	--	652	--	--
PCB-090/101/113	E1668B	--	--	--	--	35700	--	--
PCB-091	E1668B	--	--	--	--	--	--	--
PCB-092	E1668B	--	--	--	--	6330	--	--
PCB-093/100	E1668B	--	--	--	--	4290	--	--
PCB-094	E1668B	--	--	--	--	630	--	--
PCB-095	E1668B	--	--	--	--	29200	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2036	Spring Surface Sediment 2037	Spring Surface Sediment 2038	Spring Surface Sediment 2039	Spring Surface Sediment 2040	Spring Surface Sediment 2041
		Tributary	East Branch	East Branch	East Branch	East Branch	English Kills	English Kills
		River Mile	0.29	0.32	0.36	0.36	0.08	0.09
		Location ID	EB008SG_20120508	EB009SG_20120508	EB010SG_20120420	EB010SG_20120420	EK002SG_20120425	EK001SG_20120418
		Sample ID	EB008SG-000015-20120508	EB009SG-000015-20120508	EB010SG-000003-20120420	EB010SG-000009-20120420	EK002SG-000015-20120425	EK001SG-000015-20120418
		Sample Date	5/8/2012	5/8/2012	4/20/2012	4/20/2012	4/25/2012	4/18/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 9 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	9.8	7.7	5.1	5.1	20.2	11.5
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-096	E1668B	--	--	--	--	636	--	--
PCB-098	E1668B	--	--	--	--	--	--	--
PCB-098/102	E1668B	--	--	--	--	39.8 U	--	--
PCB-099	E1668B	--	--	--	--	19300	--	--
PCB-102	E1668B	--	--	--	--	--	--	--
PCB-103	E1668B	--	--	--	--	975	--	--
PCB-104	E1668B	--	--	--	--	261	--	--
PCB-105	E1668B	--	--	--	--	11800	--	--
PCB-106	E1668B	--	--	--	--	85.3 U	--	--
PCB-107/124	E1668B	--	--	--	--	1150	--	--
PCB-109	E1668B	--	--	--	--	2010	--	--
PCB-110	E1668B	--	--	--	--	--	--	--
PCB-110/115	E1668B	--	--	--	--	38400	--	--
PCB-111	E1668B	--	--	--	--	27.3 U	--	--
PCB-112	E1668B	--	--	--	--	28.5 U	--	--
PCB-114	E1668B	--	--	--	--	685	--	--
PCB-115	E1668B	--	--	--	--	--	--	--
PCB-117	E1668B	--	--	--	--	--	--	--
PCB-118	E1668B	--	--	--	--	25600	--	--
PCB-120	E1668B	--	--	--	--	40.9	--	--
PCB-121	E1668B	--	--	--	--	28 U	--	--
PCB-122	E1668B	--	--	--	--	404	--	--
PCB-123	E1668B	--	--	--	--	469	--	--
PCB-126	E1668B	--	--	--	--	396 J	--	--
PCB-127	E1668B	--	--	--	--	91.8 U	--	--
PCB-128/166	E1668B	--	--	--	--	6790	--	--
PCB-129/138/163	E1668B	--	--	--	--	47400	--	--
PCB-130	E1668B	--	--	--	--	2780	--	--
PCB-131	E1668B	--	--	--	--	651 J	--	--
PCB-132	E1668B	--	--	--	--	14700	--	--
PCB-133	E1668B	--	--	--	--	62.4 U	--	--
PCB-134	E1668B	--	--	--	--	2260	--	--
PCB-135/151	E1668B	--	--	--	--	17700	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2036	Spring Surface Sediment 2037	Spring Surface Sediment 2038	Spring Surface Sediment 2039	Spring Surface Sediment 2040	Spring Surface Sediment 2041
		Tributary	East Branch	East Branch	East Branch	East Branch	English Kills	English Kills
		River Mile	0.29	0.32	0.36	0.36	0.08	0.09
		Location ID	EB008SG_20120508	EB009SG_20120508	EB010SG_20120420	EB010SG_20120420	EK002SG_20120425	EK001SG_20120418
		Sample ID	EB008SG-000015-20120508	EB009SG-000015-20120508	EB010SG-000003-20120420	EB010SG-000009-20120420	EK002SG-000015-20120425	EK001SG-000015-20120418
		Sample Date	5/8/2012	5/8/2012	4/20/2012	4/20/2012	4/25/2012	4/18/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 9 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	9.8	7.7	5.1	5.1	20.2	11.5
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-136	E1668B	--	--	--	--	6730	--	--
PCB-137	E1668B	--	--	--	--	1620 J	--	--
PCB-139/140	E1668B	--	--	--	--	797	--	--
PCB-141	E1668B	--	--	--	--	8490	--	--
PCB-142	E1668B	--	--	--	--	64.2 U	--	--
PCB-143	E1668B	--	--	--	--	60.9 U	--	--
PCB-144	E1668B	--	--	--	--	2130	--	--
PCB-145	E1668B	--	--	--	--	18.9 U	--	--
PCB-146	E1668B	--	--	--	--	6610	--	--
PCB-147/149	E1668B	--	--	--	--	41900	--	--
PCB-148	E1668B	--	--	--	--	224	--	--
PCB-150	E1668B	--	--	--	--	439	--	--
PCB-152	E1668B	--	--	--	--	160	--	--
PCB-153/168	E1668B	--	--	--	--	38700	--	--
PCB-154	E1668B	--	--	--	--	1970	--	--
PCB-155	E1668B	--	--	--	--	55.6 J	--	--
PCB-156/157	E1668B	--	--	--	--	3700	--	--
PCB-158	E1668B	--	--	--	--	4550	--	--
PCB-159	E1668B	--	--	--	--	43 U	--	--
PCB-160	E1668B	--	--	--	--	48.2 U	--	--
PCB-161	E1668B	--	--	--	--	43.7 U	--	--
PCB-162	E1668B	--	--	--	--	38.8 U	--	--
PCB-164	E1668B	--	--	--	--	3130	--	--
PCB-165	E1668B	--	--	--	--	49.6 U	--	--
PCB-167	E1668B	--	--	--	--	1350	--	--
PCB-169	E1668B	--	--	--	--	51.6 U	--	--
PCB-170	E1668B	--	--	--	--	8240 J	--	--
PCB-171/173	E1668B	--	--	--	--	3500 J	--	--
PCB-172	E1668B	--	--	--	--	1570 J	--	--
PCB-174	E1668B	--	--	--	--	14900 J	--	--
PCB-175	E1668B	--	--	--	--	547 J	--	--
PCB-176	E1668B	--	--	--	--	1500 J	--	--
PCB-177	E1668B	--	--	--	--	7530 J	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2036	Spring Surface Sediment 2037	Spring Surface Sediment 2038	Spring Surface Sediment 2039	Spring Surface Sediment 2040	Spring Surface Sediment 2041
		Tributary	East Branch	East Branch	East Branch	East Branch	English Kills	English Kills
		River Mile	0.29	0.32	0.36	0.36	0.08	0.09
		Location ID	EB008SG_20120508	EB009SG_20120508	EB010SG_20120420	EB010SG_20120420	EK002SG_20120425	EK001SG_20120418
		Sample ID	EB008SG-000015-20120508	EB009SG-000015-20120508	EB010SG-000003-20120420	EB010SG-000009-20120420	EK002SG-000015-20120425	EK001SG-000015-20120418
		Sample Date	5/8/2012	5/8/2012	4/20/2012	4/20/2012	4/25/2012	4/18/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 9 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	9.8	7.7	5.1	5.1	20.2	11.5
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-178	E1668B	--	--	--	--	2970 J	--	--
PCB-179	E1668B	--	--	--	--	6100 J	--	--
PCB-180/193	E1668B	--	--	--	--	22000 J	--	--
PCB-181	E1668B	--	--	--	--	88.3 J	--	--
PCB-182	E1668B	--	--	--	--	29.2 UJ	--	--
PCB-183	E1668B	--	--	--	--	--	--	--
PCB-183/185	E1668B	--	--	--	--	8650 J	--	--
PCB-184	E1668B	--	--	--	--	23.4 UJ	--	--
PCB-185	E1668B	--	--	--	--	--	--	--
PCB-186	E1668B	--	--	--	--	22.5 UJ	--	--
PCB-187	E1668B	--	--	--	--	14400 J	--	--
PCB-188	E1668B	--	--	--	--	97.1 J	--	--
PCB-189	E1668B	--	--	--	--	356	--	--
PCB-190	E1668B	--	--	--	--	1680 J	--	--
PCB-191	E1668B	--	--	--	--	332 J	--	--
PCB-192	E1668B	--	--	--	--	18.1 UJ	--	--
PCB-194	E1668B	--	--	--	--	4700 J	--	--
PCB-195	E1668B	--	--	--	--	1920 J	--	--
PCB-196	E1668B	--	--	--	--	2530 J	--	--
PCB-197	E1668B	--	--	--	--	--	--	--
PCB-197/200	E1668B	--	--	--	--	1010 J	--	--
PCB-198/199	E1668B	--	--	--	--	6240 J	--	--
PCB-200	E1668B	--	--	--	--	--	--	--
PCB-201	E1668B	--	--	--	--	891 J	--	--
PCB-202	E1668B	--	--	--	--	1200 J	--	--
PCB-203	E1668B	--	--	--	--	3180 J	--	--
PCB-204	E1668B	--	--	--	--	70.6 UJ	--	--
PCB-205	E1668B	--	--	--	--	315 J	--	--
PCB-206	E1668B	--	--	--	--	2670	--	--
PCB-207	E1668B	--	--	--	--	323	--	--
PCB-208	E1668B	--	--	--	--	638	--	--
PCB-209	E1668B	--	--	--	--	1110	--	--
Total PCB congener (U = 0)	--	--	--	--	--	1079750.1 J	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2036	Spring Surface Sediment 2037	Spring Surface Sediment 2038	Spring Surface Sediment 2039	Spring Surface Sediment 2040	Spring Surface Sediment 2041
Tributary		East Branch	East Branch	East Branch	East Branch	English Kills	English Kills
River Mile		0.29	0.32	0.36	0.36	0.08	0.09
Location ID		EB008SG_20120508	EB009SG_20120508	EB010SG_20120420	EB010SG_20120420	EK002SG_20120425	EK001SG_20120418
Sample ID		EB008SG-000015-20120508	EB009SG-000015-20120508	EB010SG-000003-20120420	EB010SG-000009-20120420	EK002SG-000015-20120425	EK001SG-000015-20120418
Sample Date		5/8/2012	5/8/2012	4/20/2012	4/20/2012	4/25/2012	4/18/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 9 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		9.8	7.7	5.1	5.1	20.2	11.5
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total PCB congener (U = 1/2)	--	--	--	--	1080331.1 J	--	--
Total PCB congener TEQ 1998 (avian) (U = 0)	--	--	--	--	180.7 J	--	--
Total PCB congener TEQ 1998 (avian) (U = 1/2)	--	--	--	--	180.7 J	--	--
Total PCB congener TEQ 1998 (fish) (U = 0)	--	--	--	--	2.6 J	--	--
Total PCB congener TEQ 1998 (fish) (U = 1/2)	--	--	--	--	2.6 J	--	--
Total PCB congener TEQ 2005 (mammal) (U = 0)	--	--	--	--	41.2 J	--	--
Total PCB congener TEQ 2005 (mammal) (U = 1/2)	--	--	--	--	42 J	--	--
Total Petroleum Hydrocarbons (mg/kg)							
Diesel range organics (C10 - C28)	SW8015M	5720	5540	--	7720	33300	6970
Phytane	SW8015M	7.93 J	10.6 J	--	11.3	101	6.16 J
Pristane	SW8015M	8.88	9.06	--	14.4	197	6.26
Total petroleum hydrocarbons (C9-C40)	SW8015M	12700	12900	--	14100	51400	12100
Radionuclides (pci/g)							
Beryllium 7	HASL300	--	--	1.326	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2042	Spring Surface Sediment 2043	Spring Surface Sediment 2044	Spring Surface Sediment 2045	Spring Surface Sediment 2046	Spring Surface Sediment 2047
Tributary		English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
River Mile		0.13	0.22	0.22	0.41	0.41	0.41
Location ID		EK003SG_20120418	EK004SG_20120508	EK005SG_20120425	EK007SG_20120418	EK009SG_20120425	EK009SG_20120425
Sample ID		EK003SG-000015-20120418	EK004SG-000015-20120508	EK005SG-000015-20120425	EK007SG-000015-20120418	EK009SG-000003-20120425	EK009SG-000015-20120425
Sample Date		4/18/2012	5/8/2012	4/25/2012	4/18/2012	4/25/2012	4/25/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
Water Column Depth		18.4	5.1	8.7	12.9	13.7	13.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Conventional Parameters (lb/ft³)							
Density	D7263	14.5	21.9	13.7	13.9	16	--
Conventional Parameters (mg/kg)							
Ammonia as nitrogen	SM4500NH3H	110	30 U	35 U	140	--	30 U
Cyanide, total	SW9012A	4.4 U	3.7 U	4.9 U	4.4 UJ	--	4.1 U
Nitrate + nitrite as nitrogen	SM4500NO3F	23 U	9.4 U	12 U	22 U	--	11 U
Nitrogen ((No Suggestions))	SM4500NORGC	5700 J	5200	3800 J	5200 J	--	5600 J
Phosphorus	SM4500PE	1500 J	1700 J	1200 J	1700 J	--	1400 J
Sulfide	SW9030B	15000	8600	6000	13000	--	13000
Conventional Parameters (pct)							
Moisture (water) content	D2216	--	231.7	--	--	--	--
Moisture, percent	D2216	--	72.6	--	--	--	--
Soot carbon	SOOTC	0.348 J	1.053	0.335 J	0.522 J	--	0.268 J
Total organic carbon	SW9060	6.425 J	8.44	6.54 J	6.025 J	--	7.075 J
Total solids	SM2540G	21.1	27	20.3	21.2	--	23.1
Conventional Parameters (SU)							
pH	SW9045C	8	8	8	8	--	8.1
Conventional Parameters (unitless)							
Liquid limit	D4318	--	104	--	--	--	--
Plastic limit	D4318	--	63	--	--	--	--
Plasticity index	D4318	--	41	--	--	--	--
Specific gravity	D854	--	2.14	--	--	--	--
Grain Size (pct)							
Cobbles	D422	0	0	0	0	0	--
Gravel	D422	0	6.3	0	0.4	0	--
Sand	D422	12.4	41.5	7.7	22.3	17.8	--
Fines (silt + clay)	D422	87.6	52.2	92.3	77.3	82.2	--
Percent passing 0.375 inch (3/8 inch sieve)	D422	100	95	--	100	--	--
Percent passing 0.5 inch (1/2 inch sieve)	D422	--	96	--	--	--	--
Percent passing 0.75 inch (3/4 inch sieve)	D422	--	100	--	--	--	--
Percent passing 1 inch (1 inch sieve)	D422	--	--	--	--	--	--
Percent passing 75 micron sieve (#200)	D422	88	52	92	77	82	--
Percent passing 150 micron sieve (#100)	D422	93	602	96	83	87	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2042	Spring Surface Sediment 2043	Spring Surface Sediment 2044	Spring Surface Sediment 2045	Spring Surface Sediment 2046	Spring Surface Sediment 2047
Tributary		English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
River Mile		0.13	0.22	0.22	0.41	0.41	0.41
Location ID		EK003SG_20120418	EK004SG_20120508	EK005SG_20120425	EK007SG_20120418	EK009SG_20120425	EK009SG_20120425
Sample ID		EK003SG-000015-20120418	EK004SG-000015-20120508	EK005SG-000015-20120425	EK007SG-000015-20120418	EK009SG-000003-20120425	EK009SG-000015-20120425
Sample Date		4/18/2012	5/8/2012	4/25/2012	4/18/2012	4/25/2012	4/25/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
Water Column Depth		18.4	5.1	8.7	12.9	13.7	13.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Percent passing 250 micron sieve (#60)	D422	96	68	98	88	90	--
Percent passing 425 micron sieve (#40)	D422	98	75	99	94	95	--
Percent passing 850 micron sieve (#20)	D422	99	83	100	98	97	--
Percent passing 2000 micron sieve (#10)	D422	100	89	100	99	99	--
Percent passing 4750 micron sieve (#4)	D422	100	94	100	100	100	--
Metals (mg/kg)							
Aluminum	SW6020A	14100	9220	14400 J	12800	--	11100 J
Antimony	SW6020A	3.75 J	3.4 J	3.73 J	2.63 J	--	4.2 J
Arsenic	SW6020A	40	23.1	35.9	24.1	--	36.4
Barium	SW6020A	231	232	381	200	--	259
Beryllium	SW6020A	0.812	0.523	0.846	0.756	--	0.679
Cadmium	SW6020A	37	27.6	36.3	23.1	--	83.1
Calcium	SW6020A	14900 J	11200	16500 J	15800 J	--	17000 J
Chromium	SW6020A	323 J	234 J	311	170 J	--	468
Cobalt	SW6020A	15.4 J	9.94	14.2	10.8 J	--	14.5
Copper	SW6020A	1240	879	1330 J	663	--	1520 J
Iron	SW6020A	51900	28200	35200 J	32800	--	35200 J
Lead	SW6020A	768 J	754	941	531 J	--	900
Magnesium	SW6020A	14400	10100	13300 J	13800	--	11300 J
Manganese	SW6020A	250	160	239	203	--	219
Mercury	E1631M	3.58	2.53 J	3.19	2.09	--	3.53
Nickel	SW6020A	241	130	241	112	--	356
Potassium	SW6020A	3840 J	2270	3720 J	3390 J	--	2750 J
Selenium	SW6020A	5.07	3.05	6.03	3.69	--	5.3
Silver	SW6020A	10.5 J	8.06	10.8 J	5.6 J	--	13 J
Sodium	SW6020A	28500	19500 J	26900 J	26800	--	20900 J
Thallium	SW6020A	0.49 J	0.284	0.475	0.37 J	--	0.366
Tin	SW6020A	57.8	56.3	60.1	37	--	65.6
Vanadium	SW6020A	76.2	52.8	77.6	67.9	--	74.7
Zinc	SW6020A	2690	2000	2710	1710	--	3340
Organometallic Compounds (µg/kg)							
Methyl mercury	E1630M	--	0.208 J	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2042	Spring Surface Sediment 2043	Spring Surface Sediment 2044	Spring Surface Sediment 2045	Spring Surface Sediment 2046	Spring Surface Sediment 2047
Task		English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
Tributary		0.13	0.22	0.22	0.41	0.41	0.41
River Mile		0.13	0.22	0.22	0.41	0.41	0.41
Location ID		EK003SG_20120418	EK004SG_20120508	EK005SG_20120425	EK007SG_20120418	EK009SG_20120425	EK009SG_20120425
Sample ID		EK003SG-000015-20120418	EK004SG-000015-20120508	EK005SG-000015-20120425	EK007SG-000015-20120418	EK009SG-000003-20120425	EK009SG-000015-20120425
Sample Date		4/18/2012	5/8/2012	4/25/2012	4/18/2012	4/25/2012	4/25/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
Water Column Depth		18.4	5.1	8.7	12.9	13.7	13.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Volatile Organics (µg/kg)							
1,1,1-Trichloroethane	SW8260B	4.7 U	3.7 U	4.9 U	720 U	--	4.3 U
1,1,2,2-Tetrachloroethane	SW8260B	4.7 U	3.7 U	4.9 U	720 U	--	4.3 U
1,1,2-Trichloroethane	SW8260B	7.1 U	5.6 U	7.4 U	1100 U	--	6.5 U
1,1,2-Trichlorotrifluoroethane	SW8260B	95 U	74 U	98 U	14000 U	--	86 U
1,1-Dichloroethane	SW8260B	7.1 U	5.6 U	7.4 U	1100 U	--	6.5 U
1,1-Dichloroethene	SW8260B	4.7 U	3.7 U	4.9 U	720 U	--	4.3 U
1,2,3-Trichlorobenzene	SW8260B	24 U	18 U	25 U	3600 U	--	22 U
1,2,4-Trichlorobenzene	SW8260B	24 U	18 U	25 U	3600 U	--	22 U
1,2-Dibromo-3-chloropropane	SW8260B	24 U	18 U	25 U	3600 U	--	22 U
1,2-Dichlorobenzene	SW8260B	24 U	18 U	25 U	3600 U	--	22 U
1,2-Dichloroethane	SW8260B	4.7 U	3.7 U	4.9 U	720 U	--	4.3 U
1,2-Dichloroethene, cis-	SW8260B	4.7 U	3.7 U	4.9 U	720 U	--	2.1 J
1,2-Dichloroethene, trans-	SW8260B	7.1 U	5.6 U	7.4 U	1100 U	--	6.5 U
1,2-Dichloropropane	SW8260B	16 U	13 U	17 U	2500 U	--	15 U
1,3-Dichlorobenzene	SW8260B	24 U	18 U	25 U	3600 U	--	22 U
1,3-Dichloropropene, cis-	SW8260B	4.7 U	3.7 U	4.9 U	720 U	--	4.3 U
1,3-Dichloropropene, trans-	SW8260B	4.7 U	3.7 U	4.9 U	720 U	--	4.3 U
1,4-Dichlorobenzene	SW8260B	24 U	5.1 J	25 U	3600 U	--	5.3 J
2-Butanone (MEK)	SW8260B	52	140 J	120	7200 U	--	140
2-Hexanone (methyl butyl ketone)	SW8260B	47 U	37 U	49 U	7200 U	--	43 U
Acetone	SW8260B	220 J	330 J	660	2500 J	--	660
Benzene	SW8260B	4.7 U	3.7 U	4.9 U	720 U	--	4.3 U
Bromochloromethane	SW8260B	24 U	18 U	25 U	3600 U	--	22 U
Bromodichloromethane	SW8260B	4.7 U	3.7 U	4.9 U	720 U	--	4.3 U
Bromoform (tribromomethane)	SW8260B	19 U	15 U	20 U	2900 U	--	17 U
Bromomethane (methyl bromide)	SW8260B	9.5 U	7.4 U	9.8 U	1400 U	--	8.6 U
Carbon disulfide	SW8260B	62 J	84 J	72	440 J	--	130
Carbon tetrachloride (tetrachloromethane)	SW8260B	4.7 U	3.7 U	4.9 U	720 U	--	4.3 U
Chlorobenzene	SW8260B	4.7 U	1.6 J	4.9 U	720 U	--	4.3 U
Chloroethane	SW8260B	9.5 U	7.4 U	9.8 U	1400 UJ	--	8.6 U
Chloroform	SW8260B	7.1 U	5.6 U	7.4 U	1100 U	--	6.5 U

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2042	Spring Surface Sediment 2043	Spring Surface Sediment 2044	Spring Surface Sediment 2045	Spring Surface Sediment 2046	Spring Surface Sediment 2047
Task		English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
Tributary		0.13	0.22	0.22	0.41	0.41	0.41
River Mile							
Location ID		EK003SG_20120418	EK004SG_20120508	EK005SG_20120425	EK007SG_20120418	EK009SG_20120425	EK009SG_20120425
Sample ID		EK003SG-000015-20120418	EK004SG-000015-20120508	EK005SG-000015-20120425	EK007SG-000015-20120418	EK009SG-000003-20120425	EK009SG-000015-20120425
Sample Date		4/18/2012	5/8/2012	4/25/2012	4/18/2012	4/25/2012	4/25/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
Water Column Depth		18.4	5.1	8.7	12.9	13.7	13.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Chloromethane	SW8260B	24 U	18 U	25 U	3600 U	--	22 U
Cyclohexane	SW8260B	95 U	74 U	98 U	-- R	--	86 U
Dibromochloromethane	SW8260B	4.7 U	3.7 U	4.9 U	720 U	--	4.3 U
Dichlorodifluoromethane	SW8260B	47 UJ	37 U	49 U	7200 UJ	--	43 U
Dichloromethane (methylene chloride)	SW8260B	47 U	37 U	49 U	5900 J	--	22 J
Ethylbenzene	SW8260B	4.7 U	2.2 J	4.9 U	720 U	--	4.3 U
Ethylene dibromide (1,2-Dibromoethane)	SW8260B	19 U	15 U	20 U	2900 U	--	17 U
Isopropylbenzene (cumene)	SW8260B	4.7 U	99 J	4.9 U	720 U	--	4.3 U
m,p-Xylene	SW8260B	9.5 U	7.4 U	9.8 U	1400 U	--	8.6 U
Methyl acetate	SW8260B	95 U	74 U	98 U	20000	--	86 U
Methyl isobutyl ketone (4-methyl-2-pentanone [MIBK])	SW8260B	47 U	37 U	49 U	7200 U	--	43 U
Methyl tert-butyl ether (MTBE)	SW8260B	9.5 U	23 J	9.8 U	1400 U	--	8.6 U
Methylcyclohexane	SW8260B	19 U	39 J	20 U	2900 U	--	17 U
o-Xylene	SW8260B	9.5 U	7.4 U	9.8 U	1400 U	--	8.6 U
Styrene	SW8260B	9.5 U	7.4 U	9.8 U	1400 U	--	8.6 U
Tetrachloroethene (PCE)	SW8260B	4.7 U	3.7 U	4.9 U	720 U	--	4.3 U
Toluene	SW8260B	7.1 U	5.6 U	7.4 U	1100 U	--	6.5 U
Total BTEX (U = 0)	--	9.5 U	2.2 J	9.8 U	1400 U	--	8.6 U
Total BTEX (U = 1/2)	--	9.5 U	14.3 J	9.8 U	1400 U	--	8.6 U
Total xylene (U = 0)	--	9.5 U	7.4 U	9.8 U	1400 U	--	8.6 U
Total xylene (U = 1/2)	--	9.5 U	7.4 U	9.8 U	1400 U	--	8.6 U
Trichloroethene (TCE)	SW8260B	4.7 U	3.7 U	4.9 U	720 U	--	4.3 U
Trichlorofluoromethane (fluorotrichloromethane)	SW8260B	24 U	18 U	25 U	3600 U	--	22 U
Vinyl acetate	SW8260B	47 U	37 U	49 U	7200 UJ	--	43 U
Vinyl chloride	SW8260B	9.5 U	7.4 U	9.8 U	1400 U	--	8.6 U
Semivolatile Organics (µg/kg)							
1,2,4,5-Tetrachlorobenzene	SW8270C	3000 U	2300 U	1400 U	3200 U	--	1300 U
1,4-Dioxane	SW8270C	6000 U	4600 U	2900 U	6400 U	--	2700 U
2,3,4,6-Tetrachlorophenol	SW8270C	3000 UJ	2300 U	1400 U	3200 UJ	--	1300 U
2,4,5-Trichlorophenol	SW8270C	3000 U	2300 U	1400 U	3200 U	--	1300 U
2,4,6-Trichlorophenol	SW8270C	3000 U	2300 U	1400 U	3200 U	--	1300 U

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2042	Spring Surface Sediment 2043	Spring Surface Sediment 2044	Spring Surface Sediment 2045	Spring Surface Sediment 2046	Spring Surface Sediment 2047
Task		English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
Tributary		0.13	0.22	0.22	0.41	0.41	0.41
River Mile							
Location ID		EK003SG_20120418	EK004SG_20120508	EK005SG_20120425	EK007SG_20120418	EK009SG_20120425	EK009SG_20120425
Sample ID		EK003SG-000015-20120418	EK004SG-000015-20120508	EK005SG-000015-20120425	EK007SG-000015-20120418	EK009SG-000003-20120425	EK009SG-000015-20120425
Sample Date		4/18/2012	5/8/2012	4/25/2012	4/18/2012	4/25/2012	4/25/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
Water Column Depth		18.4	5.1	8.7	12.9	13.7	13.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
2,4-Dichlorophenol	SW8270C	600 U	460 U	290 U	640 U	--	270 U
2,4-Dimethylphenol	SW8270C	3000 U	-- R	1400 U	3200 U	--	1300 U
2,4-Dinitrophenol	SW8270C	15000 U	12000 U	7400 U	16000 U	--	6900 U
2,4-Dinitrotoluene	SW8270C	3000 U	2300 U	1400 U	3200 U	--	1300 U
2,6-Dinitrotoluene	SW8270C	3000 UJ	2300 U	1400 U	3200 UJ	--	1300 U
2-Chloronaphthalene	SW8270C	600 U	460 U	290 U	640 U	--	270 U
2-Chlorophenol	SW8270C	3000 U	2300 U	1400 U	3200 U	--	1300 U
2-Methylnaphthalene	SW8270C	960	220 J	540	430 J	--	900
2-Methylphenol (o-Cresol)	SW8270C	3000 U	2300 UJ	1400 U	3200 U	--	1300 U
2-Nitroaniline	SW8270C	15000 U	12000 U	7400 U	16000 U	--	6900 U
2-Nitrophenol	SW8270C	3000 U	2300 U	1400 U	3200 U	--	1300 U
3,3'-Dichlorobenzidine	SW8270C	3000 U	2300 U	1400 U	3200 U	--	1300 U
3-methylphenol and 4-methylphenol (m&p-cresol)	SW8270C	3000 U	2300 U	1400 U	3200 U	--	260 J
3-Nitroaniline	SW8270C	15000 U	12000 U	7400 U	16000 U	--	6900 U
4-Bromophenyl-phenyl ether	SW8270C	3000 U	2300 U	1400 U	3200 U	--	1300 U
4-Chloro-3-methylphenol	SW8270C	3000 U	2300 U	1400 U	3200 U	--	1300 U
4-Chloroaniline	SW8270C	730 J	240 J	530 J	760 J	--	930 J
4-Chlorophenyl phenyl ether	SW8270C	3000 U	2300 U	1400 U	3200 U	--	1300 U
4-Nitroaniline	SW8270C	15000 UJ	12000 U	7400 U	16000 UJ	--	6900 U
4-Nitrophenol	SW8270C	15000 UJ	12000 UJ	7400 U	16000 UJ	--	6900 U
Acenaphthene	SW8270C	1600	670	420	800	--	1400
Acenaphthylene	SW8270C	1900	850	1000	700	--	810
Acetophenone	SW8270C	3000 U	2300 U	210 J	3200 U	--	280 J
Anthracene	SW8270C	1900	1000	970	1400	--	2000 J
Atrazine	SW8270C	3000 U	2300 U	1400 U	3200 U	--	1300 U
Benzaldehyde	SW8270C	2100 J	1400 J	1100 J	2300 J	--	1200 J
Benzo(a)anthracene	SW8270C	7700 J	3600 J	3200 J	4700 J	--	5000 J
Benzo(a)pyrene	SW8270C	7400 J	2900 J	4400 J	4600 J	--	4700 J
Benzo(b)fluoranthene	SW8270C	7000 J	3800 J	4000 J	5700 J	--	4600 J
Benzo(g,h,i)perylene	SW8270C	4800 J	1200 J	2900 J	3300 J	--	3200 J
Benzo(k)fluoranthene	SW8270C	3600 J	1300 J	1500 J	3000 J	--	2000 J
Biphenyl (1,1'-Biphenyl)	SW8270C	3000 U	2300 UJ	150 J	3200 U	--	180 J

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2042	Spring Surface Sediment 2043	Spring Surface Sediment 2044	Spring Surface Sediment 2045	Spring Surface Sediment 2046	Spring Surface Sediment 2047
		Tributary	English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
		River Mile	0.13	0.22	0.22	0.41	0.41	0.41
		Location ID	EK003SG_20120418	EK004SG_20120508	EK005SG_20120425	EK007SG_20120418	EK009SG_20120425	EK009SG_20120425
		Sample ID	EK003SG-000015-20120418	EK004SG-000015-20120508	EK005SG-000015-20120425	EK007SG-000015-20120418	EK009SG-000003-20120425	EK009SG-000015-20120425
		Sample Date	4/18/2012	5/8/2012	4/25/2012	4/18/2012	4/25/2012	4/25/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
		Water Column Depth	18.4	5.1	8.7	12.9	13.7	13.7
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
bis(2-Chloroethoxy)methane	SW8270C		3000 U	2300 U	1400 U	3200 U	--	1300 U
bis(2-Chloroethyl)ether	SW8270C		600 U	460 U	290 U	640 U	--	270 U
bis(2-Chloroisopropyl)ether	SW8270C		600 U	460 UJ	290 U	640 U	--	270 U
Bis(2-ethylhexyl)phthalate	SW8270C		61000 J	32000 J	30000 J	45000 J	--	39000 J
Butylbenzyl phthalate	SW8270C		3000 U	770 J	1400 U	1000 J	--	1300 U
Caprolactam	SW8270C		15000 UJ	12000 U	7400 UJ	16000 UJ	--	6900 UJ
Carbazole	SW8270C		450 J	460 U	270 J	580 J	--	450
Chrysene	SW8270C		6000	3200 J	3000 J	5500	--	4700 J
Dibenzo(a,h)anthracene	SW8270C		2600 J	1400 J	1400 J	2300 J	--	1300 J
Dibenzofuran	SW8270C		350 J	2300 U	180 J	380 J	--	390 J
Diethyl phthalate	SW8270C		3000 U	2300 U	1400 U	730 J	--	1300 U
Dimethyl phthalate	SW8270C		3000 U	2300 U	1400 U	3200 U	--	1300 U
Di-n-butyl phthalate	SW8270C		3000 U	2300 U	250 J	630 J	--	560 J
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)	SW8270C		15000 UJ	12000 UJ	7400 UJ	16000 UJ	--	6900 UJ
Di-n-octyl phthalate	SW8270C		780 J	810 J	270 J	780 J	--	1600 J
Fluoranthene	SW8270C		15000	6300	7600	13000	--	13000 J
Fluorene	SW8270C		640	310 J	180 J	570 J	--	580
Hexachlorobenzene	SW8270C		600 U	460 U	290 U	640 U	--	270 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270C		600 U	460 U	290 U	640 U	--	270 U
Hexachlorocyclopentadiene	SW8270C		3000 UJ	2300 U	1400 U	3200 UJ	--	1300 U
Hexachloroethane	SW8270C		3000 U	2300 U	1400 U	3200 U	--	1300 U
Indeno(1,2,3-c,d)pyrene	SW8270C		4400 J	1800 J	2600 J	3600 J	--	2800 J
Isophorone	SW8270C		3000 U	2300 U	1400 U	3200 U	--	1300 U
Naphthalene	SW8270C		3200	600	1700	880	--	1700
Nitrobenzene	SW8270C		6000 U	4600 U	2900 U	6400 U	--	2700 U
N-Nitrosodi-N-propylamine	SW8270C		600 U	460 UJ	290 U	640 U	--	270 U
N-Nitrosodiphenylamine	SW8270C		3000 U	2300 U	1400 U	3200 U	--	1300 U
Pentachlorophenol	SW8270C		3000 U	2300 UJ	1400 U	3200 U	--	1300 U
Phenanthrene	SW8270C		3300	1600	2000	4200	--	3900 J
Phenol	SW8270C		600 U	460 U	290 U	640 U	--	58 J
Pyrene	SW8270C		13000 J	5200 J	6000 J	8000 J	--	7300 J

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2042	Spring Surface Sediment 2043	Spring Surface Sediment 2044	Spring Surface Sediment 2045	Spring Surface Sediment 2046	Spring Surface Sediment 2047
Tributary		English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
River Mile		0.13	0.22	0.22	0.41	0.41	0.41
Location ID		EK003SG_20120418	EK004SG_20120508	EK005SG_20120425	EK007SG_20120418	EK009SG_20120425	EK009SG_20120425
Sample ID		EK003SG-000015-20120418	EK004SG-000015-20120508	EK005SG-000015-20120425	EK007SG-000015-20120418	EK009SG-000003-20120425	EK009SG-000015-20120425
Sample Date		4/18/2012	5/8/2012	4/25/2012	4/18/2012	4/25/2012	4/25/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
Water Column Depth		18.4	5.1	8.7	12.9	13.7	13.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total cresol (o,m,p) (U = 0)	--	3000 U	2300 UJ	1400 U	3200 U	--	260 J
Total cresol (o,m,p) (U = 1/2)	--	3000 U	2300 UJ	1400 U	3200 U	--	910 J
Polycyclic Aromatic Hydrocarbons (µg/kg)							
1,6,7-Trimethylnaphthalene	SW8270CMSIM	264	2940	169	103	--	1270
1-Methyldibenzothiophene	SW8270CMSIM	190	870	189	64.9	--	384
1-Methylnaphthalene	SW8270CMSIM	324	862	450	122	--	397
1-Methylphenanthrene	SW8270CMSIM	459	3310	686	503	--	983
2,6-Dimethylnaphthalene	SW8270CMSIM	521	2130	865	237	--	1140
2-Methylantracene	SW8270CMSIM	590	1990	1090	204	--	896
2-Methyldibenzothiophene and 3-methyldibenzothiophene	SW8270CMSIM	282	2330	197	142	--	1050
2-Methylnaphthalene	SW8270CMSIM	805	1220	1060	266	--	1100
2-Methylphenanthrene	SW8270CMSIM	625	2010	824	214	--	636
4-Methyldibenzothiophene	SW8270CMSIM	450	3410	349	203	--	1480
4-Methylphenanthrene and 9-methylphenanthrene	SW8270CMSIM	376	6880	1170	352	--	2440
Acenaphthene	SW8270CMSIM	1140	3130	702	384	--	1320
Acenaphthylene	SW8270CMSIM	1070	3860	2530	234	--	965
Anthracene	SW8270CMSIM	1490	6680	2700	788	--	2570
Benzo(a)anthracene	SW8270CMSIM	4680	14200	6790	2550	--	6110
Benzo(a)pyrene	SW8270CMSIM	5700	13500	9170	2670	--	5650
Benzo(b)fluoranthene	SW8270CMSIM	4510	13400	7490	2660	--	5110
Benzo(e)pyrene	SW8270CMSIM	4210	11500	6230	2160	--	4090
Benzo(g,h,i)perylene	SW8270CMSIM	3440	8370	5540	1800	--	3560
Benzo(j,k)fluoranthene	SW8270CMSIM	3350	10400	6690	1910	--	4310
Benzonaphthothiophene	SW8270CMSIM	2040	5820	2840	949	--	2160
Benzothiophene	SW8270CMSIM	84.7 J	174 J	97.9	22.2 J	--	84.4
Carbazole	SW8270CMSIM	259	488	396	257	--	350
Chrysene	SW8270CMSIM	4770	19200	8360	3020	--	6040
Decalin, cis and trans-	SW8270CMSIM	115	809	121	120	--	271
Dibenzo(a,h)anthracene and dibenzo(a,c)anthracene	SW8270CMSIM	1030	2420	1570	591	--	965
Dibenzothiophene	SW8270CMSIM	325	1430	401	226	--	511

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2042	Spring Surface Sediment 2043	Spring Surface Sediment 2044	Spring Surface Sediment 2045	Spring Surface Sediment 2046	Spring Surface Sediment 2047
Tributary		English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
River Mile		0.13	0.22	0.22	0.41	0.41	0.41
Location ID		EK003SG_20120418	EK004SG_20120508	EK005SG_20120425	EK007SG_20120418	EK009SG_20120425	EK009SG_20120425
Sample ID		EK003SG-000015-20120418	EK004SG-000015-20120508	EK005SG-000015-20120425	EK007SG-000015-20120418	EK009SG-000003-20120425	EK009SG-000015-20120425
Sample Date		4/18/2012	5/8/2012	4/25/2012	4/18/2012	4/25/2012	4/25/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
Water Column Depth		18.4	5.1	8.7	12.9	13.7	13.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Fluoranthene	SW8270CMSIM	10600	31100	11600	6470	--	13500
Fluorene	SW8270CMSIM	289	1050	495	257	--	388
Indeno(1,2,3-c,d)pyrene	SW8270CMSIM	3090	8440	5800	1760	--	3570
Naphthalene	SW8270CMSIM	2840	4170	3140	536	--	2110
Perylene	SW8270CMSIM	1000	2930	1890	620	--	1260
Phenanthrene	SW8270CMSIM	2310	7050	3810	2530	--	2840
Pyrene	SW8270CMSIM	12900	38300	16400	6550	--	15100
Retene	SW8270CMSIM	96.3 U	237 U	91.9 U	47.4 U	--	2820
Total benzofluoranthenes (U = 0)	--	7860	23800	14180	4570	--	9420
Total benzofluoranthenes (U = 1/2)	--	7860	23800	14180	4570	--	9420
Total cPAH TEQ (USEPA 1993) (U = 0)	--	7996.27	19647.2	12823.26	3980.12	--	8143.14
Total cPAH TEQ (USEPA 1993) (U = 1/2)	--	7996.27	19647.2	12823.26	3980.12	--	8143.14
Total HPAH (9 of 16) (U = 0)	--	54070	159330	79410	29981	--	63915
Total HPAH (9 of 16) (U = 1/2)	--	54070	159330	79410	29981	--	63915
Total LPAH (7 of 16) (U = 0)	--	9944	27160	14437	4995	--	11293
Total LPAH (7 of 16) (U = 1/2)	--	9944	27160	14437	4995	--	11293
Total PAH (16) (U = 0)	--	64014	186490	93847	34976	--	75208
Total PAH (16) (U = 1/2)	--	64014	186490	93847	34976	--	75208
Alkylated Polycyclic Aromatic Hydrocarbons (µg/kg)							
C1-Benzo(a)anthracenes/chrysenes	SW8270CMSIM	4910	14100	7300	2040	--	5100
C1-Benzo(b)thiophenes	SW8270CMSIM	87.3 J	448	134	40.3 J	--	190
C1-Decalins	SW8270CMSIM	1180	3620	1080	467	--	3530
C1-Dibenzothiophenes	SW8270CMSIM	1050	7050	881	455	--	3170
C1-Fluoranthenes/Pyrenes	SW8270CMSIM	10800	32800	14600	3880	--	11000
C1-Fluorenes	SW8270CMSIM	617	4070	796	262	--	1740
C1-Naphthalenes	SW8270CMSIM	671	1370	955	231	--	926
C1-Phenanthrenes/Anthracenes	SW8270CMSIM	3330	22000	4410	2090	--	7510
C2-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	3830	12800	5530	1480	--	4480
C2-Benzo(b)thiophenes	SW8270CMSIM	134	609	193	50.8	--	293
C2-Decalins	SW8270CMSIM	2590	7580	3790	991	--	6910
C2-Dibenzothiophenes	SW8270CMSIM	3430	19700	2750	1080	--	7390
C2-Fluorenes	SW8270CMSIM	2790	22600	2510	1050	--	8400
C2-Naphthalenes	SW8270CMSIM	784	5610	1290	388	--	2190

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2042	Spring Surface Sediment 2043	Spring Surface Sediment 2044	Spring Surface Sediment 2045	Spring Surface Sediment 2046	Spring Surface Sediment 2047
Tributary		English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
River Mile		0.13	0.22	0.22	0.41	0.41	0.41
Location ID		EK003SG_20120418	EK004SG_20120508	EK005SG_20120425	EK007SG_20120418	EK009SG_20120425	EK009SG_20120425
Sample ID		EK003SG-000015-20120418	EK004SG-000015-20120508	EK005SG-000015-20120425	EK007SG-000015-20120418	EK009SG-000003-20120425	EK009SG-000015-20120425
Sample Date		4/18/2012	5/8/2012	4/25/2012	4/18/2012	4/25/2012	4/25/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
Water Column Depth		18.4	5.1	8.7	12.9	13.7	13.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
C2-Phenanthrenes/Anthracenes	SW8270CMSIM	7100	49000	6680	2850	--	16000
C3-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	2960	11400	4240	1230	--	3860
C3-Benzo(b)thiophenes	SW8270CMSIM	309	1940	456	116	--	877
C3-Decalins	SW8270CMSIM	2180	6630	3450	800	--	5450
C3-Dibenzothiophenes	SW8270CMSIM	3690	21700	4180	1180	--	6610
C3-Fluorenes	SW8270CMSIM	4090	27900	4870	1530	--	9350
C3-Naphthalenes	SW8270CMSIM	1540	21400	1550	742	--	9560
C3-Phenanthrenes/Anthracenes	SW8270CMSIM	6230	34000	7020	2060	--	10800
C4-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	1410	4520	2070	706	--	1950
C4-Benzo(b)thiophenes	SW8270CMSIM	346	2720	506	137	--	1100
C4-Decalins	SW8270CMSIM	3670	14400	6200	1190	--	9060
C4-Dibenzothiophenes	SW8270CMSIM	1910	10800	2720	718	--	3400
C4-Naphthalenes	SW8270CMSIM	3010	30500	2430	1090	--	12500
C4-Phenanthrenes/Anthracenes	SW8270CMSIM	2920	13900	3880	986	--	4650
n-Alkanes and Isoprenoids (µg/kg)							
2,6,10-Trimethyldodecane	SW8015M	1300 J	15300 J	6130 U	835 J	--	7050
2,6,10-Trimethyltridecane	SW8015M	7330 J	33800 J	7610 J	3030 J	--	17000 J
n-Decane (C10)	SW8015M	6420 U	15800 U	6130 U	3160 U	--	4990 U
n-Docosane (C22)	SW8015M	6420 U	10000 J	6130 U	3160 U	--	4990 U
n-Dodecane (C12)	SW8015M	6420 U	15800 U	6130 U	3160 U	--	1740 J
n-Dotriacontane (C32)	SW8015M	1900 J	56000 J	2320 J	1660 J	--	4990 U
n-Eicosane (C20)	SW8015M	2100 J	15800 U	6130 U	3160 U	--	4990 U
n-Heneicosane (C21)	SW8015M	2130 J	775000 J	6130 U	1060 J	--	4990 U
n-Hentriacontane (C31)	SW8015M	14500	11300 J	19800	9310	--	21000
n-Heptacosane (C27)	SW8015M	3150 J	3610 J	3390 J	2140 J	--	4570 J
n-Heptadecane (C17)	SW8015M	6420 U	15800 U	2080 J	1080 J	--	4730 J
n-Heptatriacontane (C37)	SW8015M	6420 U	15800 U	6130 U	1410 J	--	2310 J
n-Hexacosane (C26)	SW8015M	2820 J	9370 J	3750 J	1030 J	--	4990 U
n-Hexadecane (C16)	SW8015M	1250 J	3240 J	956 J	614 J	--	4610 J
n-Hexatriacontane (C36)	SW8015M	2530 J	15800 U	6130 U	1710 J	--	6270
n-Nonacosane (C29)	SW8015M	6420 U	23000 J	6130 U	2680 J	--	4990 U
n-Nonadecane (C19)	SW8015M	6420 U	5290 J	6130 U	3160 U	--	2150 J
n-Nonane (C9)	SW8015M	6420 U	15800 U	6130 U	3160 U	--	4990 U

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2042	Spring Surface Sediment 2043	Spring Surface Sediment 2044	Spring Surface Sediment 2045	Spring Surface Sediment 2046	Spring Surface Sediment 2047
Task		English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
Tributary		0.13	0.22	0.22	0.41	0.41	0.41
River Mile							
Location ID		EK003SG_20120418	EK004SG_20120508	EK005SG_20120425	EK007SG_20120418	EK009SG_20120425	EK009SG_20120425
Sample ID		EK003SG-000015-20120418	EK004SG-000015-20120508	EK005SG-000015-20120425	EK007SG-000015-20120418	EK009SG-000003-20120425	EK009SG-000015-20120425
Sample Date		4/18/2012	5/8/2012	4/25/2012	4/18/2012	4/25/2012	4/25/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
Water Column Depth		18.4	5.1	8.7	12.9	13.7	13.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
n-Nonatriacontane (C39)	SW8015M	6420 U	15800 U	6130 U	3160 U	--	2040 J
n-Octacosane (C28)	SW8015M	6420 U	4230 J	6130 U	705 J	--	4990 U
n-Octadecane (C18)	SW8015M	6420 U	9610 J	4830 J	4290 J	--	3870 J
n-Octatriacontane (C38)	SW8015M	2510 J	15800 U	2350 J	2380 J	--	3120 J
Norpristane	SW8015M	3570 J	26100 J	3170 J	2320 J	--	12100
n-Pentacosane (C25)	SW8015M	10600 J	40200 J	15100 J	3160 UJ	--	14700 J
n-Pentadecane (C15)	SW8015M	1550 J	9460 J	1460 J	740 J	--	4940 J
n-Pentatriacontane (C35)	SW8015M	3290 J	15800 U	4530 J	1960 J	--	6390
n-Tetracontane (C40)	SW8015M	6420 U	15800 U	6130 U	3160 U	--	2410 J
n-Tetracosane (C24)	SW8015M	6420 U	15800 U	6130 U	3160 U	--	4990 U
n-Tetradecane (C14)	SW8015M	1440 J	7340 J	1170 J	3160 U	--	3160 J
n-Tetratriacontane (C34)	SW8015M	2390 J	19000 J	8190	1680 J	--	13000
n-Triacontane (C30)	SW8015M	2560 J	29100 J	4190 J	1580 J	--	5250
n-Tricosane (C23)	SW8015M	6420 U	15800 U	2520 J	3160 U	--	4990 U
n-Tridecane (C13)	SW8015M	6420 U	4830 J	6130 U	3160 U	--	2130 J
n-Tritriacontane (C33)	SW8015M	4100 J	35700 J	13400	4980	--	15200
n-Undecane (C11)	SW8015M	6420 U	15800 U	6130 U	3160 U	--	3900 J
Pesticides (µg/kg)							
2,4'-DDD (o,p'-DDD)	SW8081A	14 J	2.9 U	0.36 UJ	0.4 U	--	16 J
2,4'-DDE (o,p'-DDE)	SW8081A	29 J	72 J	16 J	17	--	37 J
2,4'-DDT (o,p'-DDT)	SW8081A	0.37 U	2.9 UJ	0.36 U	0.4 U	--	0.34 U
4,4'-DDD (p,p'-DDD)	SW8081A	48 J	120 J	36	45 J	--	20 J
4,4'-DDE (p,p'-DDE)	SW8081A	48 J	57 J	20 J	34 J	--	50 J
4,4'-DDT (p,p'-DDT)	SW8081A	24 J	2.9 UJ	7.6	15 J	--	8.6 J
Aldrin	SW8081A	3 J	0.29 U	0.36 U	0.4 U	--	1.7 J
alpha-Hexachlorocyclohexane (BHC)	SW8081A	1.4 J	2.9 U	0.27 J	0.5 J	--	0.086 J
Chlordane, alpha- (cis-Chlordane)	SW8081A	37 J	2.9 U	0.36 UJ	38	--	0.34 U
Chlordane, beta- (trans-Chlordane)	SW8081A	0.37 U	2.9 U	2.1 J	0.4 U	--	11 J
delta-Hexachlorocyclohexane (BHC)	SW8081A	0.49 J	2.9 U	0.36 U	0.4 U	--	0.99
Dieldrin	SW8081A	13 J	15 J	9.3	10 J	--	26
Endosulfan sulfate	SW8081A	0.6 J	1.3 J	0.36 UJ	0.4 U	--	0.34 UJ
Endosulfan-alpha (I)	SW8081A	0.37 U	2.9 U	0.36 U	0.4 U	--	0.34 U
Endosulfan-beta (II)	SW8081A	0.37 U	4.9 J	4.2 J	0.4 U	--	5.8 J

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2042	Spring Surface Sediment 2043	Spring Surface Sediment 2044	Spring Surface Sediment 2045	Spring Surface Sediment 2046	Spring Surface Sediment 2047
		Tributary	English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
		River Mile	0.13	0.22	0.22	0.41	0.41	0.41
		Location ID	EK003SG_20120418	EK004SG_20120508	EK005SG_20120425	EK007SG_20120418	EK009SG_20120425	EK009SG_20120425
		Sample ID	EK003SG-000015-20120418	EK004SG-000015-20120508	EK005SG-000015-20120425	EK007SG-000015-20120418	EK009SG-000003-20120425	EK009SG-000015-20120425
		Sample Date	4/18/2012	5/8/2012	4/25/2012	4/18/2012	4/25/2012	4/25/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
		Water Column Depth	18.4	5.1	8.7	12.9	13.7	13.7
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
Endrin	SW8081A		4.2 J	9.8 J	0.36 UJ	2.6 J	--	0.34 UJ
Endrin aldehyde	SW8081A		0.21 J	3.7 J	3.2 J	0.35 J	--	2.7 J
Endrin ketone	SW8081A		-- R	3.8 J	0.36 UJ	-- R	--	0.34 UJ
Heptachlor	SW8081A		0.37 U	2.9 U	0.36 U	0.4 U	--	0.34 U
Heptachlor epoxide	SW8081A		10 J	1.3 J	0.53 J	0.62 J	--	4.7 J
Hexachlorobenzene	SW8081A		3 J	5.2 J	1.4	2.7	--	3.9
Hexachlorocyclohexane, beta- (BHC)	SW8081A		0.29 J	0.74 J	0.36 U	0.59 J	--	0.34 U
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	SW8081A		0.37 U	2.9 U	0.36 U	0.4 U	--	0.34 U
Methoxychlor	SW8081A		0.75 U	45 J	0.72 U	0.83 J	--	0.67 U
Mirex	SW8081A		0.37 U	0.94 J	0.36 U	0.4 U	--	0.34 U
Nonachlor, cis-	SW8081A		8.9 J	7.8 J	0.36 U	7.2 J	--	13
Nonachlor, trans-	SW8081A		0.37 U	15 J	1.6 J	0.4 U	--	4.1 J
Oxychlordane	SW8081A		0.37 U	2.9 UJ	2.6	0.4 U	--	0.34 U
Sum DDD (U = 0)	--		62 J	120 J	36 J	45 J	--	36 J
Sum DDD (U = 1/2)	--		62 J	121.5 J	36.18 J	45.2 J	--	36 J
Sum DDE (U = 0)	--		77 J	129 J	36 J	51 J	--	87 J
Sum DDE (U = 1/2)	--		77 J	129 J	36 J	51 J	--	87 J
Sum DDT (U = 0)	--		24 J	2.9 UJ	7.6	15 J	--	8.6 J
Sum DDT (U = 1/2)	--		24.18 J	2.9 UJ	7.78	15.2 J	--	8.77 J
Total chlordane (U = 0)	--		45.9 J	22.8 J	6.3 J	45.2 J	--	28.1 J
Total chlordane (U = 1/2)	--		46.46 J	27.1 J	6.66 J	45.8 J	--	28.44 J
Total DDx (U = 0)	--		163 J	249 J	79.6 J	111 J	--	131.6 J
Total DDx (U = 1/2)	--		163.19 J	253.3 J	79.96 J	111.4 J	--	131.77 J
Toxaphene	SW8081A		15 U	110 U	14 U	16 U	--	13 U
Pesticides - High Resolution (µg/kg)								
2,4'-DDD (o,p'-DDD)	E1699		--	64 J	--	--	--	--
2,4'-DDE (o,p'-DDE)	E1699		--	6.6	--	--	--	--
2,4'-DDT (o,p'-DDT)	E1699		--	0.79 U	--	--	--	--
4,4'-DDD (p,p'-DDD)	E1699		--	200 J	--	--	--	--
4,4'-DDE (p,p'-DDE)	E1699		--	110 J	--	--	--	--
4,4'-DDT (p,p'-DDT)	E1699		--	7.5	--	--	--	--
Aldrin	E1699		--	0.26 U	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2042	Spring Surface Sediment 2043	Spring Surface Sediment 2044	Spring Surface Sediment 2045	Spring Surface Sediment 2046	Spring Surface Sediment 2047
Task		English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
Tributary		0.13	0.22	0.22	0.41	0.41	0.41
River Mile							
Location ID		EK003SG_20120418	EK004SG_20120508	EK005SG_20120425	EK007SG_20120418	EK009SG_20120425	EK009SG_20120425
Sample ID		EK003SG-000015-20120418	EK004SG-000015-20120508	EK005SG-000015-20120425	EK007SG-000015-20120418	EK009SG-000003-20120425	EK009SG-000015-20120425
Sample Date		4/18/2012	5/8/2012	4/25/2012	4/18/2012	4/25/2012	4/25/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
Water Column Depth		18.4	5.1	8.7	12.9	13.7	13.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
alpha-Hexachlorocyclohexane (BHC)	E1699	--	0.26 U	--	--	--	--
Chlordane, alpha- (cis-Chlordane)	E1699	--	150	--	--	--	--
Chlordane, beta- (trans-Chlordane)	E1699	--	200	--	--	--	--
delta-Hexachlorocyclohexane (BHC)	E1699	--	0.22 U	--	--	--	--
Dieldrin	E1699	--	44	--	--	--	--
Endosulfan sulfate	E1699	--	0.26 U	--	--	--	--
Endosulfan-alpha (I)	E1699	--	1.1 U	--	--	--	--
Endosulfan-beta (II)	E1699	--	2.2 U	--	--	--	--
Endrin	E1699	--	0.9 UJ	--	--	--	--
Endrin aldehyde	E1699	--	0.71 U	--	--	--	--
Endrin ketone	E1699	--	0.81 U	--	--	--	--
Heptachlor	E1699	--	0.11 U	--	--	--	--
Heptachlor epoxide	E1699	--	0.45 J	--	--	--	--
Hexachlorobenzene	E1699	--	6.1	--	--	--	--
Hexachlorocyclohexane, beta- (BHC)	E1699	--	0.22 U	--	--	--	--
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	E1699	--	0.22 U	--	--	--	--
Methoxychlor	E1699	--	3.1 U	--	--	--	--
Mirex	E1699	--	1.2 J	--	--	--	--
Nonachlor, cis-	E1699	--	31	--	--	--	--
Nonachlor, trans-	E1699	--	92	--	--	--	--
Oxychlordane	E1699	--	0.14 U	--	--	--	--
Sum DDD high resolution (U = 0)	--	--	264 J	--	--	--	--
Sum DDD high resolution (U = 1/2)	--	--	264 J	--	--	--	--
Sum DDE high resolution (U = 0)	--	--	116.6 J	--	--	--	--
Sum DDE high resolution (U = 1/2)	--	--	116.6 J	--	--	--	--
Sum DDT high resolution (U = 0)	--	--	7.5	--	--	--	--
Sum DDT high resolution (U = 1/2)	--	--	7.89	--	--	--	--
Total chlordane high resolution (U = 0)	--	--	473	--	--	--	--
Total chlordane high resolution (U = 1/2)	--	--	473.07	--	--	--	--
Total DDx high resolution (U = 0)	--	--	388.1 J	--	--	--	--
Total DDx high resolution (U = 1/2)	--	--	388.5 J	--	--	--	--
Toxaphene	E1699	--	21 U	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2042	Spring Surface Sediment 2043	Spring Surface Sediment 2044	Spring Surface Sediment 2045	Spring Surface Sediment 2046	Spring Surface Sediment 2047
Tributary		English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
River Mile		0.13	0.22	0.22	0.41	0.41	0.41
Location ID		EK003SG_20120418	EK004SG_20120508	EK005SG_20120425	EK007SG_20120418	EK009SG_20120425	EK009SG_20120425
Sample ID		EK003SG-000015-20120418	EK004SG-000015-20120508	EK005SG-000015-20120425	EK007SG-000015-20120418	EK009SG-000003-20120425	EK009SG-000015-20120425
Sample Date		4/18/2012	5/8/2012	4/25/2012	4/18/2012	4/25/2012	4/25/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
Water Column Depth		18.4	5.1	8.7	12.9	13.7	13.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Herbicides (µg/kg)							
2,2-Dichloropropionic acid (dalapon)	SW8151A	400 U	310 U	400 U	430 U	--	360 U
2,4,5-T (2,4,5-trichlorophenoxyacetic acid)	SW8151A	90 U	69 U	88 U	96 U	--	81 U
2,4,5-TP (Silvex)	SW8151A	90 U	69 U	88 U	96 U	--	81 U
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	360 U	31 J	350 U	380 U	--	320 U
2,4-DB (2,4-D derivative)	SW8151A	360 U	280 U	350 U	380 U	--	320 U
Dicamba	SW8151A	180 U	140 U	180 U	190 U	--	160 U
Dichlorprop	SW8151A	360 U	80 J	170 J	380 U	--	290 J
Dinoseb	SW8151A	54 UJ	42 UJ	53 U	57 UJ	--	48 U
Mecoprop (MCP)	SW8151A	36000 U	28000 U	35000 U	38000 U	--	32000 U
Mephanac (MCPA)	SW8151A	36000 U	28000 U	35000 U	38000 U	--	32000 U
Dioxin Furans (ng/kg)							
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	--	6.01 J	--	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	--	19.6 J	--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	36.4	--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	103	--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	85.5	--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B	--	2470	--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B	--	22800 J	--	--	--	--
Total tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	--	200 J	--	--	--	--
Total pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	--	205 J	--	--	--	--
Total hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	829	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2042	Spring Surface Sediment 2043	Spring Surface Sediment 2044	Spring Surface Sediment 2045	Spring Surface Sediment 2046	Spring Surface Sediment 2047
Task		English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
Tributary		0.13	0.22	0.22	0.41	0.41	0.41
River Mile							
Location ID		EK003SG_20120418	EK004SG_20120508	EK005SG_20120425	EK007SG_20120418	EK009SG_20120425	EK009SG_20120425
Sample ID		EK003SG-000015-20120418	EK004SG-000015-20120508	EK005SG-000015-20120425	EK007SG-000015-20120418	EK009SG-000003-20120425	EK009SG-000015-20120425
Sample Date		4/18/2012	5/8/2012	4/25/2012	4/18/2012	4/25/2012	4/25/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
Water Column Depth		18.4	5.1	8.7	12.9	13.7	13.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total heptachlorodibenzo-p-dioxin (HpCDD)	E1613B	--	4770	--	--	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B	--	47.2 J	--	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B	--	52.2	--	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B	--	80.9	--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B	--	133	--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B	--	80.2 J	--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B	--	0.547 U	--	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B	--	63.3	--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B	--	855	--	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B	--	39.5	--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B	--	1330	--	--	--	--
Total tetrachlorodibenzofuran (TCDF)	E1613B	--	1520 J	--	--	--	--
Total pentachlorodibenzofuran (PeCDF)	E1613B	--	1390 J	--	--	--	--
Total hexachlorodibenzofuran (HxCDF)	E1613B	--	1250 J	--	--	--	--
Total heptachlorodibenzofuran (HpCDF)	E1613B	--	1690	--	--	--	--
Total dioxin/furan TEQ 1998 (avian) (U = 0)	--	--	211.808 J	--	--	--	--
Total dioxin/furan TEQ 1998 (avian) (U = 1/2)	--	--	211.835 J	--	--	--	--
Total dioxin/furan TEQ 1998 (fish) (U = 0)	--	--	132.593 J	--	--	--	--
Total dioxin/furan TEQ 1998 (fish) (U = 1/2)	--	--	132.62 J	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2042	Spring Surface Sediment 2043	Spring Surface Sediment 2044	Spring Surface Sediment 2045	Spring Surface Sediment 2046	Spring Surface Sediment 2047
Tributary		English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
River Mile		0.13	0.22	0.22	0.41	0.41	0.41
Location ID		EK003SG_20120418	EK004SG_20120508	EK005SG_20120425	EK007SG_20120418	EK009SG_20120425	EK009SG_20120425
Sample ID		EK003SG-000015-20120418	EK004SG-000015-20120508	EK005SG-000015-20120425	EK007SG-000015-20120418	EK009SG-000003-20120425	EK009SG-000015-20120425
Sample Date		4/18/2012	5/8/2012	4/25/2012	4/18/2012	4/25/2012	4/25/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
Water Column Depth		18.4	5.1	8.7	12.9	13.7	13.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total dioxin/furan TEQ 2005 (mammal) (U = 0)	--	--	147.19 J	--	--	--	--
Total dioxin/furan TEQ 2005 (mammal) (U = 1/2)	--	--	147.217 J	--	--	--	--
PCB Aroclors (µg/kg)							
Aroclor 1016	SW8082A	190 U	140 U	37 U	50 U	--	85 U
Aroclor 1221	SW8082A	190 U	140 U	37 U	50 U	--	85 U
Aroclor 1232	SW8082A	190 U	140 U	37 U	50 U	--	85 U
Aroclor 1242	SW8082A	4300	4200	1200	2000	--	3700
Aroclor 1248	SW8082A	190 U	140 U	37 U	50 U	--	85 U
Aroclor 1254	SW8082A	5300	8100	3100	2000	--	6500
Aroclor 1260	SW8082A	190 U	140 U	37 U	50 U	--	85 U
Aroclor 1262	SW8082A	190 U	140 U	37 U	50 U	--	85 U
Aroclor 1268	SW8082A	190 U	140 U	37 U	50 U	--	85 U
Total PCB Aroclors (U = 0)	--	9600	12300	4300	4000	--	10200
Total PCB Aroclors (U = 1/2)	--	10265	12790	4429.5	4175	--	10497.5
PCB Congeners (ng/kg)							
PCB-001	E1668B	--	11900	--	--	--	--
PCB-002	E1668B	--	1810	--	--	--	--
PCB-003	E1668B	--	14000	--	--	--	--
PCB-004	E1668B	--	81200 J	--	--	--	--
PCB-005	E1668B	--	6050	--	--	--	--
PCB-006	E1668B	--	58400	--	--	--	--
PCB-007	E1668B	--	13400	--	--	--	--
PCB-008	E1668B	--	290000 J	--	--	--	--
PCB-009	E1668B	--	21900	--	--	--	--
PCB-010	E1668B	--	5250	--	--	--	--
PCB-011	E1668B	--	11100	--	--	--	--
PCB-012/013	E1668B	--	25100	--	--	--	--
PCB-014	E1668B	--	16.4 U	--	--	--	--
PCB-015	E1668B	--	155000 J	--	--	--	--
PCB-016	E1668B	--	328000 J	--	--	--	--
PCB-017	E1668B	--	260000 J	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2042	Spring Surface Sediment 2043	Spring Surface Sediment 2044	Spring Surface Sediment 2045	Spring Surface Sediment 2046	Spring Surface Sediment 2047
		Tributary	English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
		River Mile	0.13	0.22	0.22	0.41	0.41	0.41
		Location ID	EK003SG_20120418	EK004SG_20120508	EK005SG_20120425	EK007SG_20120418	EK009SG_20120425	EK009SG_20120425
		Sample ID	EK003SG-000015-20120418	EK004SG-000015-20120508	EK005SG-000015-20120425	EK007SG-000015-20120418	EK009SG-000003-20120425	EK009SG-000015-20120425
		Sample Date	4/18/2012	5/8/2012	4/25/2012	4/18/2012	4/25/2012	4/25/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
		Water Column Depth	18.4	5.1	8.7	12.9	13.7	13.7
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-018/030	E1668B	--	558000 J	--	--	--	--	--
PCB-019	E1668B	--	59500	--	--	--	--	--
PCB-020/028	E1668B	--	532000 J	--	--	--	--	--
PCB-021/033	E1668B	--	514000 J	--	--	--	--	--
PCB-022	E1668B	--	399000 J	--	--	--	--	--
PCB-023	E1668B	--	798	--	--	--	--	--
PCB-024	E1668B	--	13.8 U	--	--	--	--	--
PCB-025	E1668B	--	43900	--	--	--	--	--
PCB-026/029	E1668B	--	89800	--	--	--	--	--
PCB-027	E1668B	--	49500	--	--	--	--	--
PCB-031	E1668B	--	495000 J	--	--	--	--	--
PCB-032	E1668B	--	194000 J	--	--	--	--	--
PCB-034	E1668B	--	863	--	--	--	--	--
PCB-035	E1668B	--	17000	--	--	--	--	--
PCB-036	E1668B	--	51.1 U	--	--	--	--	--
PCB-037	E1668B	--	156000 J	--	--	--	--	--
PCB-038	E1668B	--	56 U	--	--	--	--	--
PCB-039	E1668B	--	50.3 U	--	--	--	--	--
PCB-040/071	E1668B	--	237000 J	--	--	--	--	--
PCB-041	E1668B	--	93300 J	--	--	--	--	--
PCB-042	E1668B	--	148000 J	--	--	--	--	--
PCB-043	E1668B	--	17700 J	--	--	--	--	--
PCB-044/047/065	E1668B	--	447000 J	--	--	--	--	--
PCB-045	E1668B	--	--	--	--	--	--	--
PCB-045/051	E1668B	--	78400 J	--	--	--	--	--
PCB-046	E1668B	--	38000 J	--	--	--	--	--
PCB-048	E1668B	--	80000 J	--	--	--	--	--
PCB-049/069	E1668B	--	126000 J	--	--	--	--	--
PCB-050/053	E1668B	--	56300 J	--	--	--	--	--
PCB-051	E1668B	--	--	--	--	--	--	--
PCB-052	E1668B	--	334000 J	--	--	--	--	--
PCB-054	E1668B	--	2020	--	--	--	--	--
PCB-055	E1668B	--	11600 J	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2042	Spring Surface Sediment 2043	Spring Surface Sediment 2044	Spring Surface Sediment 2045	Spring Surface Sediment 2046	Spring Surface Sediment 2047
		Tributary	English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
		River Mile	0.13	0.22	0.22	0.41	0.41	0.41
		Location ID	EK003SG_20120418	EK004SG_20120508	EK005SG_20120425	EK007SG_20120418	EK009SG_20120425	EK009SG_20120425
		Sample ID	EK003SG-000015-20120418	EK004SG-000015-20120508	EK005SG-000015-20120425	EK007SG-000015-20120418	EK009SG-000003-20120425	EK009SG-000015-20120425
		Sample Date	4/18/2012	5/8/2012	4/25/2012	4/18/2012	4/25/2012	4/25/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
		Water Column Depth	18.4	5.1	8.7	12.9	13.7	13.7
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-056	E1668B	--	343000 J	--	--	--	--	--
PCB-057	E1668B	--	57.3 UJ	--	--	--	--	--
PCB-058	E1668B	--	793 J	--	--	--	--	--
PCB-059/062/075	E1668B	--	43800 J	--	--	--	--	--
PCB-060	E1668B	--	187000 J	--	--	--	--	--
PCB-061/070/074/076	E1668B	--	650000 J	--	--	--	--	--
PCB-063	E1668B	--	11500 J	--	--	--	--	--
PCB-064	E1668B	--	223000 J	--	--	--	--	--
PCB-066	E1668B	--	356000 J	--	--	--	--	--
PCB-067	E1668B	--	10800 J	--	--	--	--	--
PCB-068	E1668B	--	301 J	--	--	--	--	--
PCB-072	E1668B	--	536 J	--	--	--	--	--
PCB-073	E1668B	--	16.2 UJ	--	--	--	--	--
PCB-077	E1668B	--	59500 J	--	--	--	--	--
PCB-078	E1668B	--	3840 J	--	--	--	--	--
PCB-079	E1668B	--	4770 J	--	--	--	--	--
PCB-080	E1668B	--	1340 J	--	--	--	--	--
PCB-081	E1668B	--	2830	--	--	--	--	--
PCB-082	E1668B	--	264000 J	--	--	--	--	--
PCB-083	E1668B	--	73800 J	--	--	--	--	--
PCB-084	E1668B	--	514000 J	--	--	--	--	--
PCB-085/116	E1668B	--	--	--	--	--	--	--
PCB-085/116/117	E1668B	--	175000 J	--	--	--	--	--
PCB-086/087/097/108/119/125	E1668B	--	782000 J	--	--	--	--	--
PCB-088	E1668B	--	--	--	--	--	--	--
PCB-088/091	E1668B	--	135000 J	--	--	--	--	--
PCB-089	E1668B	--	22500 J	--	--	--	--	--
PCB-090/101/113	E1668B	--	325000 J	--	--	--	--	--
PCB-091	E1668B	--	--	--	--	--	--	--
PCB-092	E1668B	--	67200 J	--	--	--	--	--
PCB-093/100	E1668B	--	4860 J	--	--	--	--	--
PCB-094	E1668B	--	4490 J	--	--	--	--	--
PCB-095	E1668B	--	861000 J	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2042	Spring Surface Sediment 2043	Spring Surface Sediment 2044	Spring Surface Sediment 2045	Spring Surface Sediment 2046	Spring Surface Sediment 2047
		Tributary	English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
		River Mile	0.13	0.22	0.22	0.41	0.41	0.41
		Location ID	EK003SG_20120418	EK004SG_20120508	EK005SG_20120425	EK007SG_20120418	EK009SG_20120425	EK009SG_20120425
		Sample ID	EK003SG-000015-20120418	EK004SG-000015-20120508	EK005SG-000015-20120425	EK007SG-000015-20120418	EK009SG-000003-20120425	EK009SG-000015-20120425
		Sample Date	4/18/2012	5/8/2012	4/25/2012	4/18/2012	4/25/2012	4/25/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
		Water Column Depth	18.4	5.1	8.7	12.9	13.7	13.7
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-096	E1668B	--	12900 J	--	--	--	--	--
PCB-098	E1668B	--	--	--	--	--	--	--
PCB-098/102	E1668B	--	25600 J	--	--	--	--	--
PCB-099	E1668B	--	117000 J	--	--	--	--	--
PCB-102	E1668B	--	--	--	--	--	--	--
PCB-103	E1668B	--	1080 J	--	--	--	--	--
PCB-104	E1668B	--	219 J	--	--	--	--	--
PCB-105	E1668B	--	388000 J	--	--	--	--	--
PCB-106	E1668B	--	347 UJ	--	--	--	--	--
PCB-107/124	E1668B	--	21400 J	--	--	--	--	--
PCB-109	E1668B	--	50400 J	--	--	--	--	--
PCB-110	E1668B	--	--	--	--	--	--	--
PCB-110/115	E1668B	--	1590000 J	--	--	--	--	--
PCB-111	E1668B	--	89.7 UJ	--	--	--	--	--
PCB-112	E1668B	--	93.6 UJ	--	--	--	--	--
PCB-114	E1668B	--	22800 J	--	--	--	--	--
PCB-115	E1668B	--	--	--	--	--	--	--
PCB-117	E1668B	--	--	--	--	--	--	--
PCB-118	E1668B	--	941000 J	--	--	--	--	--
PCB-120	E1668B	--	139 J	--	--	--	--	--
PCB-121	E1668B	--	91.9 UJ	--	--	--	--	--
PCB-122	E1668B	--	18100 J	--	--	--	--	--
PCB-123	E1668B	--	15600 J	--	--	--	--	--
PCB-126	E1668B	--	9930 J	--	--	--	--	--
PCB-127	E1668B	--	1130 J	--	--	--	--	--
PCB-128/166	E1668B	--	389000 J	--	--	--	--	--
PCB-129/138/163	E1668B	--	1080000 J	--	--	--	--	--
PCB-130	E1668B	--	74900 J	--	--	--	--	--
PCB-131	E1668B	--	21300 J	--	--	--	--	--
PCB-132	E1668B	--	689000 J	--	--	--	--	--
PCB-133	E1668B	--	2440 J	--	--	--	--	--
PCB-134	E1668B	--	90600 J	--	--	--	--	--
PCB-135/151	E1668B	--	148000 J	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2042	Spring Surface Sediment 2043	Spring Surface Sediment 2044	Spring Surface Sediment 2045	Spring Surface Sediment 2046	Spring Surface Sediment 2047
		Tributary	English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
		River Mile	0.13	0.22	0.22	0.41	0.41	0.41
		Location ID	EK003SG_20120418	EK004SG_20120508	EK005SG_20120425	EK007SG_20120418	EK009SG_20120425	EK009SG_20120425
		Sample ID	EK003SG-000015-20120418	EK004SG-000015-20120508	EK005SG-000015-20120425	EK007SG-000015-20120418	EK009SG-000003-20120425	EK009SG-000015-20120425
		Sample Date	4/18/2012	5/8/2012	4/25/2012	4/18/2012	4/25/2012	4/25/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
		Water Column Depth	18.4	5.1	8.7	12.9	13.7	13.7
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-136	E1668B	--	155000 J	--	--	--	--	--
PCB-137	E1668B	--	15800 J	--	--	--	--	--
PCB-139/140	E1668B	--	4310 J	--	--	--	--	--
PCB-141	E1668B	--	81800 J	--	--	--	--	--
PCB-142	E1668B	--	114 UJ	--	--	--	--	--
PCB-143	E1668B	--	108 UJ	--	--	--	--	--
PCB-144	E1668B	--	13400 J	--	--	--	--	--
PCB-145	E1668B	--	108 J	--	--	--	--	--
PCB-146	E1668B	--	26000 J	--	--	--	--	--
PCB-147/149	E1668B	--	480000 J	--	--	--	--	--
PCB-148	E1668B	--	40.7 UJ	--	--	--	--	--
PCB-150	E1668B	--	183 J	--	--	--	--	--
PCB-152	E1668B	--	552 J	--	--	--	--	--
PCB-153/168	E1668B	--	132000 J	--	--	--	--	--
PCB-154	E1668B	--	323 J	--	--	--	--	--
PCB-155	E1668B	--	1030 UJ	--	--	--	--	--
PCB-156/157	E1668B	--	119000	--	--	--	--	--
PCB-158	E1668B	--	88000 J	--	--	--	--	--
PCB-159	E1668B	--	75 UJ	--	--	--	--	--
PCB-160	E1668B	--	85.9 UJ	--	--	--	--	--
PCB-161	E1668B	--	77.8 UJ	--	--	--	--	--
PCB-162	E1668B	--	67.7 UJ	--	--	--	--	--
PCB-164	E1668B	--	79100 J	--	--	--	--	--
PCB-165	E1668B	--	88.4 UJ	--	--	--	--	--
PCB-167	E1668B	--	43800 J	--	--	--	--	--
PCB-169	E1668B	--	171	--	--	--	--	--
PCB-170	E1668B	--	805000 J	--	--	--	--	--
PCB-171/173	E1668B	--	173000 J	--	--	--	--	--
PCB-172	E1668B	--	27400 J	--	--	--	--	--
PCB-174	E1668B	--	660000 J	--	--	--	--	--
PCB-175	E1668B	--	3740 J	--	--	--	--	--
PCB-176	E1668B	--	20500 J	--	--	--	--	--
PCB-177	E1668B	--	487000 J	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2042	Spring Surface Sediment 2043	Spring Surface Sediment 2044	Spring Surface Sediment 2045	Spring Surface Sediment 2046	Spring Surface Sediment 2047
		Tributary	English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
		River Mile	0.13	0.22	0.22	0.41	0.41	0.41
		Location ID	EK003SG_20120418	EK004SG_20120508	EK005SG_20120425	EK007SG_20120418	EK009SG_20120425	EK009SG_20120425
		Sample ID	EK003SG-000015-20120418	EK004SG-000015-20120508	EK005SG-000015-20120425	EK007SG-000015-20120418	EK009SG-000003-20120425	EK009SG-000015-20120425
		Sample Date	4/18/2012	5/8/2012	4/25/2012	4/18/2012	4/25/2012	4/25/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
		Water Column Depth	18.4	5.1	8.7	12.9	13.7	13.7
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-178	E1668B	--		21800 J	--	--	--	--
PCB-179	E1668B	--		96300 J	--	--	--	--
PCB-180/193	E1668B	--		325000 J	--	--	--	--
PCB-181	E1668B	--		1230 J	--	--	--	--
PCB-182	E1668B	--		151 UJ	--	--	--	--
PCB-183	E1668B	--		--	--	--	--	--
PCB-183/185	E1668B	--		55100 J	--	--	--	--
PCB-184	E1668B	--		120 UJ	--	--	--	--
PCB-185	E1668B	--		--	--	--	--	--
PCB-186	E1668B	--		116 UJ	--	--	--	--
PCB-187	E1668B	--		724000 J	--	--	--	--
PCB-188	E1668B	--		739 UJ	--	--	--	--
PCB-189	E1668B	--		6470 J	--	--	--	--
PCB-190	E1668B	--		77600 J	--	--	--	--
PCB-191	E1668B	--		8420 J	--	--	--	--
PCB-192	E1668B	--		194 UJ	--	--	--	--
PCB-194	E1668B	--		138000 J	--	--	--	--
PCB-195	E1668B	--		121000 J	--	--	--	--
PCB-196	E1668B	--		34700 J	--	--	--	--
PCB-197	E1668B	--		--	--	--	--	--
PCB-197/200	E1668B	--		14500 J	--	--	--	--
PCB-198/199	E1668B	--		106000 J	--	--	--	--
PCB-200	E1668B	--		--	--	--	--	--
PCB-201	E1668B	--		4660 J	--	--	--	--
PCB-202	E1668B	--		18000 J	--	--	--	--
PCB-203	E1668B	--		25900 J	--	--	--	--
PCB-204	E1668B	--		327 UJ	--	--	--	--
PCB-205	E1668B	--		3920 J	--	--	--	--
PCB-206	E1668B	--		9650 J	--	--	--	--
PCB-207	E1668B	--		1110 J	--	--	--	--
PCB-208	E1668B	--		11000 J	--	--	--	--
PCB-209	E1668B	--		15000 J	--	--	--	--
Total PCB congener (U = 0)	--	--	--	22135736 J	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2042	Spring Surface Sediment 2043	Spring Surface Sediment 2044	Spring Surface Sediment 2045	Spring Surface Sediment 2046	Spring Surface Sediment 2047
Tributary		English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
River Mile		0.13	0.22	0.22	0.41	0.41	0.41
Location ID		EK003SG_20120418	EK004SG_20120508	EK005SG_20120425	EK007SG_20120418	EK009SG_20120425	EK009SG_20120425
Sample ID		EK003SG-000015-20120418	EK004SG-000015-20120508	EK005SG-000015-20120425	EK007SG-000015-20120418	EK009SG-000003-20120425	EK009SG-000015-20120425
Sample Date		4/18/2012	5/8/2012	4/25/2012	4/18/2012	4/25/2012	4/25/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
Water Column Depth		18.4	5.1	8.7	12.9	13.7	13.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total PCB congener (U = 1/2)	--	--	22137844.9 J	--	--	--	--
Total PCB congener TEQ 1998 (avian) (U = 0)	--	--	4314.2197 J	--	--	--	--
Total PCB congener TEQ 1998 (avian) (U = 1/2)	--	--	4314.2197 J	--	--	--	--
Total PCB congener TEQ 1998 (fish) (U = 0)	--	--	64.7069 J	--	--	--	--
Total PCB congener TEQ 1998 (fish) (U = 1/2)	--	--	64.7069 J	--	--	--	--
Total PCB congener TEQ 2005 (mammal) (U = 0)	--	--	1051.0291 J	--	--	--	--
Total PCB congener TEQ 2005 (mammal) (U = 1/2)	--	--	1051.0291 J	--	--	--	--
Total Petroleum Hydrocarbons (mg/kg)							
Diesel range organics (C10 - C28)	SW8015M	8150	31300 J	9540	4440	--	12700
Phytane	SW8015M	5.32 J	35.9 J	6.17	4.33 J	--	11.8
Pristane	SW8015M	6.71	57.8 J	6.05 J	4.45	--	19.4
Total petroleum hydrocarbons (C9-C40)	SW8015M	14300	56500 J	19000	8130	--	23000
Radionuclides (pci/g)							
Beryllium 7	HASL300	--	--	--	--	1.858	--

Table A4-2
Surface Sediment Analytical Results

	Task	Spring Surface Sediment 2048	Spring Surface Sediment 2049	Spring Surface Sediment 2050	Spring Surface Sediment 2051	Spring Surface Sediment 2052	Spring Surface Sediment 2053
	Tributary	English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
	River Mile	0.42	0.49	0.57	0.6	0.63	0.71
	Location ID	EK008SG_20120418	EK010SG_20120418	EK011SG_20120509	EK013SG_20120425	EK012SG_20120425	EK015SG_20120425
	Sample ID	EK008SG-000015-20120418	EK010SG-000015-20120418	EK011SG-000010-20120509	EK013SG-000015-20120425	EK012SG-000015-20120425	EK015SG-000015-20120425
	Sample Date	4/18/2012	4/18/2012	5/9/2012	4/25/2012	4/25/2012	4/25/2012
	Sample Depth	0 - 15 cm	0 - 15 cm	0 - 10 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
	Water Column Depth	19.7	12.3	11.6	10	9.6	8
	Sample Type	N	N	N	N	N	N
	Matrix	SE	SE	SE	SE	SE	SE
Conventional Parameters (lb/ft³)							
Density	D7263	13.3	17.2	36.9	16.4	63.9	19
Conventional Parameters (mg/kg)							
Ammonia as nitrogen	SM4500NH3H	400	230	17 U	340	67	240
Cyanide, total	SW9012A	5.1 UJ	3.8 UJ	2.2 U	4.6 U	1.7 U	3.7 U
Nitrate + nitrite as nitrogen	SM4500NO3F	26 U	19 U	5.7 U	12 U	4.2 U	9.6 U
Nitrogen ((No Suggestions))	SM4500NORGC	6400 J	6000 J	1900	9800 J	700 J	6600 J
Phosphorus	SM4500PE	2900 J	3100 J	540 J	1600 J	480 J	1800 J
Sulfide	SW9030B	12000	5900	4600 J	13000	4400	11000
Conventional Parameters (pct)							
Moisture (water) content	D2216	--	311.9	--	--	--	--
Moisture, percent	D2216	--	77	--	--	--	--
Soot carbon	SOOTC	0.592 J	0.522 J	0.704	0.367 J	0.31 J	0.659 J
Total organic carbon	SW9060	6.67 J	7.52 J	3.37	11.85 J	1.61 J	11.15 J
Total solids	SM2540G	19.2	24.4	42.8	21.4	58.9	25.7
Conventional Parameters (SU)							
pH	SW9045C	8.1	7.9	8	7.9	8.4	8.1
Conventional Parameters (unitless)							
Liquid limit	D4318	--	145	--	--	--	--
Plastic limit	D4318	--	49	--	--	--	--
Plasticity index	D4318	--	96	--	--	--	--
Specific gravity	D854	--	2.3	--	--	--	--
Grain Size (pct)							
Cobbles	D422	0	0	0	0	0	0
Gravel	D422	0	0.1	6.3	0.8	0.9 J	0.3
Sand	D422	15.4	26	78.2	24.6	83.1	14.4
Fines (silt + clay)	D422	84.6	73.9	15.5	74.6	16	85.3
Percent passing 0.375 inch (3/8 inch sieve)	D422	100	100	98	100	99	100
Percent passing 0.5 inch (1/2 inch sieve)	D422	--	--	100	--	100	--
Percent passing 0.75 inch (3/4 inch sieve)	D422	--	--	100	--	--	--
Percent passing 1 inch (1 inch sieve)	D422	--	--	--	--	--	--
Percent passing 75 micron sieve (#200)	D422	85	74	15	75	16	85
Percent passing 150 micron sieve (#100)	D422	89	81	20	80	22	93

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2048	Spring Surface Sediment 2049	Spring Surface Sediment 2050	Spring Surface Sediment 2051	Spring Surface Sediment 2052	Spring Surface Sediment 2053
Task		English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
Tributary		0.42	0.49	0.57	0.6	0.63	0.71
River Mile							
Location ID		EK008SG_20120418	EK010SG_20120418	EK011SG_20120509	EK013SG_20120425	EK012SG_20120425	EK015SG_20120425
Sample ID		EK008SG-000015-20120418	EK010SG-000015-20120418	EK011SG-000010-20120509	EK013SG-000015-20120425	EK012SG-000015-20120425	EK015SG-000015-20120425
Sample Date		4/18/2012	4/18/2012	5/9/2012	4/25/2012	4/25/2012	4/25/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 10 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		19.7	12.3	11.6	10	9.6	8
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Percent passing 250 micron sieve (#60)	D422	92	88	29	83	36	95
Percent passing 425 micron sieve (#40)	D422	95	94	50	87	70	97
Percent passing 850 micron sieve (#20)	D422	98	98	76	91	94	98
Percent passing 2000 micron sieve (#10)	D422	100	100	86	95	98	99
Percent passing 4750 micron sieve (#4)	D422	100	100	94	99	99	100
Metals (mg/kg)							
Aluminum	SW6020A	14700	11500	4690	8440 J	4000 J	11100 J
Antimony	SW6020A	4.39 J	3.4 J	2.01 J	3.71 J	0.888 J	3.76 J
Arsenic	SW6020A	42.6	29.4	10.6	20.2	7.03	18.8
Barium	SW6020A	294	221	98	276	84.6	231
Beryllium	SW6020A	0.901	0.608	0.323	0.596	0.409	0.564
Cadmium	SW6020A	95.4	54	22.2	20.8	9.73	25.6
Calcium	SW6020A	15400 J	17700 J	25900	19400 J	7120 J	20600 J
Chromium	SW6020A	495 J	314 J	122 J	146	61.9	164
Cobalt	SW6020A	16.3 J	11.4 J	6.2	9.09	4.54	10.8
Copper	SW6020A	1740	1070	404	519 J	220 J	667 J
Iron	SW6020A	39100	35600	15700	24100 J	12200 J	27100 J
Lead	SW6020A	887 J	678 J	313	608	227	727
Magnesium	SW6020A	13700	12500	6110	11400 J	4000 J	13200 J
Manganese	SW6020A	253	180	117	142	87.5	168
Mercury	E1631M	3.14	3.15	1.12 J	3.08	0.652	2.92
Nickel	SW6020A	426	236	101	84.3	40.5	98.1
Potassium	SW6020A	3770 J	2910 J	1200	2360 J	864 J	2320 J
Selenium	SW6020A	5.73	3.92	1.49	3.28	1.06	3.79
Silver	SW6020A	17.4 J	12.4 J	3.27	5.44 J	2.67 J	7.67 J
Sodium	SW6020A	29600	23600	10500 J	24600 J	3080 J	20000 J
Thallium	SW6020A	0.482 J	0.332 J	0.122 J	0.348	0.092	0.237
Tin	SW6020A	80.4	63.5	23.9	41.1	14.9	47.7
Vanadium	SW6020A	84.6	63.6	26.1	52	19.7	58.3
Zinc	SW6020A	3740	2480	822	1850	591	2050
Organometallic Compounds (µg/kg)							
Methyl mercury	E1630M	--	0.14	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2048	Spring Surface Sediment 2049	Spring Surface Sediment 2050	Spring Surface Sediment 2051	Spring Surface Sediment 2052	Spring Surface Sediment 2053
Tributary		English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
River Mile		0.42	0.49	0.57	0.6	0.63	0.71
Location ID		EK008SG_20120418	EK010SG_20120418	EK011SG_20120509	EK013SG_20120425	EK012SG_20120425	EK015SG_20120425
Sample ID		EK008SG-000015-20120418	EK010SG-000015-20120418	EK011SG-000010-20120509	EK013SG-000015-20120425	EK012SG-000015-20120425	EK015SG-000015-20120425
Sample Date		4/18/2012	4/18/2012	5/9/2012	4/25/2012	4/25/2012	4/25/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 10 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		19.7	12.3	11.6	10	9.6	8
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Volatile Organics (µg/kg)							
1,1,1-Trichloroethane	SW8260B	5.2 U	4.1 U	2.3 U	4.7 U	1.7 UJ	3.9 U
1,1,2,2-Tetrachloroethane	SW8260B	5.2 U	4.1 U	2.3 U	4.7 U	1.7 U	3.9 U
1,1,2-Trichloroethane	SW8260B	7.8 U	6.1 U	3.5 U	7 U	2.5 U	5.8 U
1,1,2-Trichlorotrifluoroethane	SW8260B	100 U	82 U	47 U	93 U	34 UJ	78 U
1,1-Dichloroethane	SW8260B	7.8 U	6.1 U	3.5 U	7 U	1.1 J	5.8 U
1,1-Dichloroethene	SW8260B	5.2 U	4.1 U	2.3 U	4.7 U	1.7 U	3.9 U
1,2,3-Trichlorobenzene	SW8260B	26 U	20 U	12 U	23 U	8.5 UJ	19 U
1,2,4-Trichlorobenzene	SW8260B	26 U	20 U	12 U	23 U	8.5 UJ	19 U
1,2-Dibromo-3-chloropropane	SW8260B	26 U	20 U	12 U	23 U	8.5 UJ	19 U
1,2-Dichlorobenzene	SW8260B	26 U	20 U	12 U	23 U	6.8 J	19 U
1,2-Dichloroethane	SW8260B	5.2 U	4.1 U	2.3 U	4.7 U	1.7 U	3.9 U
1,2-Dichloroethene, cis-	SW8260B	1.3 J	1.3 J	2.3 U	2.2 J	1.7 U	2.1 J
1,2-Dichloroethene, trans-	SW8260B	7.8 U	6.1 U	3.5 U	7 U	2.5 UJ	5.8 U
1,2-Dichloropropane	SW8260B	18 U	14 U	8.2 U	16 U	5.9 U	14 U
1,3-Dichlorobenzene	SW8260B	26 U	20 U	12 U	23 U	8.5 UJ	19 U
1,3-Dichloropropene, cis-	SW8260B	5.2 U	4.1 U	2.3 U	4.7 U	-- R	3.9 U
1,3-Dichloropropene, trans-	SW8260B	5.2 U	4.1 U	2.3 U	4.7 U	1.7 UJ	3.9 U
1,4-Dichlorobenzene	SW8260B	1.7 J	2.2 J	1.5 J	3.9 J	6.4 J	15 J
2-Butanone (MEK)	SW8260B	190	120	39	160	60 J	170
2-Hexanone (methyl butyl ketone)	SW8260B	52 U	41 U	23 U	47 U	17 U	39 U
Acetone	SW8260B	950 J	550 J	190	800	300 J	840 J
Benzene	SW8260B	5.2 U	4.1 U	2.3 U	2.2 J	1.5 J	1.5 J
Bromochloromethane	SW8260B	26 U	20 U	12 U	23 U	8.5 U	19 U
Bromodichloromethane	SW8260B	5.2 U	4.1 U	2.3 U	4.7 U	1.7 UJ	3.9 U
Bromoform (tribromomethane)	SW8260B	21 U	16 U	9.3 U	19 U	6.8 UJ	16 U
Bromomethane (methyl bromide)	SW8260B	10 U	8.2 U	4.7 U	9.3 U	3.4 UJ	7.8 U
Carbon disulfide	SW8260B	59 J	45 J	34	75	29 J	51
Carbon tetrachloride (tetrachloromethane)	SW8260B	5.2 U	4.1 U	2.3 U	4.7 U	1.7 UJ	3.9 U
Chlorobenzene	SW8260B	5.2 U	4.1 U	2.3 U	4.7 U	3.3 J	2.9 J
Chloroethane	SW8260B	10 U	8.2 U	4.7 U	9.3 U	3.4 U	7.8 U
Chloroform	SW8260B	7.8 U	6.1 U	3.5 U	7 U	2.5 U	5.8 U

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2048	Spring Surface Sediment 2049	Spring Surface Sediment 2050	Spring Surface Sediment 2051	Spring Surface Sediment 2052	Spring Surface Sediment 2053
Task		English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
Tributary		0.42	0.49	0.57	0.6	0.63	0.71
River Mile							
Location ID		EK008SG_20120418	EK010SG_20120418	EK011SG_20120509	EK013SG_20120425	EK012SG_20120425	EK015SG_20120425
Sample ID		EK008SG-000015-20120418	EK010SG-000015-20120418	EK011SG-000010-20120509	EK013SG-000015-20120425	EK012SG-000015-20120425	EK015SG-000015-20120425
Sample Date		4/18/2012	4/18/2012	5/9/2012	4/25/2012	4/25/2012	4/25/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 10 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		19.7	12.3	11.6	10	9.6	8
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Chloromethane	SW8260B	26 U	20 U	12 U	23 U	8.5 U	19 U
Cyclohexane	SW8260B	100 U	82 U	47 U	93 U	-- R	78 U
Dibromochloromethane	SW8260B	5.2 U	4.1 U	2.3 U	4.7 U	1.7 UJ	3.9 U
Dichlorodifluoromethane	SW8260B	52 UJ	41 UJ	23 U	47 U	17 U	39 U
Dichloromethane (methylene chloride)	SW8260B	52 U	41 U	23 U	47 U	17 U	39 U
Ethylbenzene	SW8260B	5.2 U	4.1 U	2.3 U	6.2	1.7 UJ	3.9 U
Ethylene dibromide (1,2-Dibromoethane)	SW8260B	21 U	16 U	9.3 U	19 U	6.8 UJ	16 U
Isopropylbenzene (cumene)	SW8260B	5.2 U	4.1 U	2.3 U	1.4 J	2.4 J	1.5 J
m,p-Xylene	SW8260B	10 U	8.2 U	4.7 U	9.3 U	3.4 UJ	7.8 U
Methyl acetate	SW8260B	100 U	82 U	47 U	93 U	-- R	78 U
Methyl isobutyl ketone (4-methyl-2-pentanone [MIBK])	SW8260B	52 U	41 U	23 U	47 U	17 U	39 U
Methyl tert-butyl ether (MTBE)	SW8260B	10 U	8.2 U	4.7 U	9.3 U	1.2 J	7.8 U
Methylcyclohexane	SW8260B	21 U	16 U	9.3 U	19 U	6.8 UJ	16 U
o-Xylene	SW8260B	10 U	8.2 U	4.7 U	9.3 U	3.4 UJ	7.8 U
Styrene	SW8260B	10 U	8.2 U	4.7 U	9.3 U	3.4 UJ	7.8 U
Tetrachloroethene (PCE)	SW8260B	5.2 U	4.1 U	2.3 U	4.7 U	1.7 UJ	3.9 U
Toluene	SW8260B	7.8 U	6.1 U	3.5 U	7 U	2.5 UJ	5.8 U
Total BTEX (U = 0)	--	10 U	8.2 U	4.7 U	8.4 J	1.5 J	1.5 J
Total BTEX (U = 1/2)	--	10 U	8.2 U	4.7 U	21.2 J	7 J	14.2 J
Total xylene (U = 0)	--	10 U	8.2 U	4.7 U	9.3 U	3.4 UJ	7.8 U
Total xylene (U = 1/2)	--	10 U	8.2 U	4.7 U	9.3 U	3.4 UJ	7.8 U
Trichloroethene (TCE)	SW8260B	5.2 U	4.1 U	2.3 U	4.7 U	1.7 UJ	3.9 U
Trichlorofluoromethane (fluorotrichloromethane)	SW8260B	26 U	20 U	12 U	23 U	8.5 U	19 U
Vinyl acetate	SW8260B	52 U	41 U	23 U	47 U	17 UJ	39 U
Vinyl chloride	SW8260B	10 U	8.2 U	4.7 U	9.3 U	3.4 U	7.8 U
Semivolatile Organics (µg/kg)							
1,2,4,5-Tetrachlorobenzene	SW8270C	3300 U	2700 U	750 U	1400 U	490 U	1200 U
1,4-Dioxane	SW8270C	6600 U	5400 U	1500 UJ	2800 U	990 U	2400 U
2,3,4,6-Tetrachlorophenol	SW8270C	3300 UJ	2700 UJ	750 UJ	1400 U	490 U	1200 U
2,4,5-Trichlorophenol	SW8270C	3300 U	2700 U	750 UJ	1400 U	490 U	1200 U
2,4,6-Trichlorophenol	SW8270C	3300 U	2700 U	750 UJ	1400 U	490 U	1200 U

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2048	Spring Surface Sediment 2049	Spring Surface Sediment 2050	Spring Surface Sediment 2051	Spring Surface Sediment 2052	Spring Surface Sediment 2053
Task		English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
Tributary		0.42	0.49	0.57	0.6	0.63	0.71
River Mile							
Location ID		EK008SG_20120418	EK010SG_20120418	EK011SG_20120509	EK013SG_20120425	EK012SG_20120425	EK015SG_20120425
Sample ID		EK008SG-000015-20120418	EK010SG-000015-20120418	EK011SG-000010-20120509	EK013SG-000015-20120425	EK012SG-000015-20120425	EK015SG-000015-20120425
Sample Date		4/18/2012	4/18/2012	5/9/2012	4/25/2012	4/25/2012	4/25/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 10 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		19.7	12.3	11.6	10	9.6	8
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
2,4-Dichlorophenol	SW8270C	660 U	540 U	150 UJ	280 U	100 U	240 U
2,4-Dimethylphenol	SW8270C	3300 U	2700 U	750 UJ	1400 U	490 U	1200 U
2,4-Dinitrophenol	SW8270C	17000 U	14000 U	3900 UJ	7200 U	2500 U	6200 U
2,4-Dinitrotoluene	SW8270C	3300 U	2700 U	750 UJ	1400 U	490 U	1200 U
2,6-Dinitrotoluene	SW8270C	3300 UJ	2700 UJ	750 U	1400 U	490 U	1200 U
2-Chloronaphthalene	SW8270C	660 U	540 U	150 UJ	280 U	100 U	240 U
2-Chlorophenol	SW8270C	3300 U	2700 U	750 UJ	1400 U	490 U	1200 U
2-Methylnaphthalene	SW8270C	1300	920	210 J	300	130	260
2-Methylphenol (o-Cresol)	SW8270C	3300 U	2700 U	750 U	1400 U	490 UJ	1200 U
2-Nitroaniline	SW8270C	17000 U	14000 U	3900 U	7200 U	2500 U	6200 U
2-Nitrophenol	SW8270C	3300 U	2700 U	750 UJ	1400 U	490 U	1200 U
3,3'-Dichlorobenzidine	SW8270C	3300 U	2700 U	750 UJ	1400 U	490 UJ	1200 U
3-methylphenol and 4-methylphenol (m&p-cresol)	SW8270C	3300 U	2700 U	410 J	1500	490 U	850 J
3-Nitroaniline	SW8270C	17000 U	14000 U	3900 U	7200 U	2500 U	6200 U
4-Bromophenyl-phenyl ether	SW8270C	3300 U	2700 U	750 U	1400 U	490 U	1200 U
4-Chloro-3-methylphenol	SW8270C	3300 U	2700 U	750 UJ	1400 U	490 U	1200 U
4-Chloroaniline	SW8270C	1700 J	1400 J	250 J	590 J	300 J	790 J
4-Chlorophenyl phenyl ether	SW8270C	3300 U	2700 U	750 UJ	1400 U	490 U	1200 U
4-Nitroaniline	SW8270C	17000 UJ	14000 UJ	3900 UJ	7200 U	2500 U	6200 U
4-Nitrophenol	SW8270C	17000 UJ	14000 UJ	3900 UJ	7200 U	2500 U	6200 U
Acenaphthene	SW8270C	2600	2300	650 J	460	160	460
Acenaphthylene	SW8270C	1700	1100	220 J	360	140	400
Acetophenone	SW8270C	560 J	320 J	750 U	390 J	490 U	250 J
Anthracene	SW8270C	3700	3200	1600 J	750	370	750
Atrazine	SW8270C	3300 U	2700 U	750 UJ	1400 U	490 U	1200 U
Benzaldehyde	SW8270C	2500 J	1900 J	210 J	1100 J	350 J	1000 J
Benzo(a)anthracene	SW8270C	9500 J	8300 J	1600 J	2700 J	1100 J	3100 J
Benzo(a)pyrene	SW8270C	8100 J	6400 J	1600	2500 J	930 J	3300 J
Benzo(b)fluoranthene	SW8270C	11000 J	6300 J	1900 J	3200 J	1100 J	4100 J
Benzo(g,h,i)perylene	SW8270C	5100 J	4000 J	1000 J	2100 J	640 UJ	2600 J
Benzo(k)fluoranthene	SW8270C	660 U	4100 J	600	1000 J	430 J	1200 J
Biphenyl (1,1'-Biphenyl)	SW8270C	400 J	2700 U	750 UJ	1400 U	490 U	1200 U

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2048	Spring Surface Sediment 2049	Spring Surface Sediment 2050	Spring Surface Sediment 2051	Spring Surface Sediment 2052	Spring Surface Sediment 2053
Tributary		English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
River Mile		0.42	0.49	0.57	0.6	0.63	0.71
Location ID		EK008SG_20120418	EK010SG_20120418	EK011SG_20120509	EK013SG_20120425	EK012SG_20120425	EK015SG_20120425
Sample ID		EK008SG-000015-20120418	EK010SG-000015-20120418	EK011SG-000010-20120509	EK013SG-000015-20120425	EK012SG-000015-20120425	EK015SG-000015-20120425
Sample Date		4/18/2012	4/18/2012	5/9/2012	4/25/2012	4/25/2012	4/25/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 10 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		19.7	12.3	11.6	10	9.6	8
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
bis(2-Chloroethoxy)methane	SW8270C	3300 U	2700 U	750 U	1400 U	490 U	1200 U
bis(2-Chloroethyl)ether	SW8270C	660 U	540 U	150 UJ	280 U	100 U	240 U
bis(2-Chloroisopropyl)ether	SW8270C	660 U	540 U	150 U	280 U	100 U	240 U
Bis(2-ethylhexyl)phthalate	SW8270C	95000 J	97000 J	13000	38000 J	12000 J	34000 J
Butylbenzyl phthalate	SW8270C	3300 U	1400 J	630 J	1400 J	250 J	790 J
Caprolactam	SW8270C	17000 UJ	14000 UJ	3900 UJ	7200 UJ	2500 UJ	6200 UJ
Carbazole	SW8270C	590 J	850	220	210 J	74 J	340
Chrysene	SW8270C	9400	9100	2300 J	3200 J	1100 J	3900 J
Dibenzo(a,h)anthracene	SW8270C	2500 J	1900 J	230 J	1100 J	400 J	870 J
Dibenzofuran	SW8270C	710 J	2700 U	350 J	1400 U	490 U	210 J
Diethyl phthalate	SW8270C	500 J	2700 U	750 UJ	1400 U	490 U	1200 U
Dimethyl phthalate	SW8270C	3300 U	2700 U	750 UJ	160 J	490 U	1200 U
Di-n-butyl phthalate	SW8270C	510 J	700 J	200 J	810 J	100 J	760 J
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)	SW8270C	17000 UJ	14000 UJ	3900 UJ	7200 UJ	2500 UJ	6200 UJ
Di-n-octyl phthalate	SW8270C	2600 J	1900 J	250 J	2100 J	450 J	2200 J
Fluoranthene	SW8270C	26000	23000	5100 J	7600	3200	9600
Fluorene	SW8270C	890	920	630 J	320	100 UJ	280
Hexachlorobenzene	SW8270C	660 U	540 U	150 UJ	280 U	100 U	240 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270C	660 U	540 U	150 UJ	280 U	100 U	240 U
Hexachlorocyclopentadiene	SW8270C	3300 UJ	2700 UJ	750 U	1400 U	-- R	1200 U
Hexachloroethane	SW8270C	3300 U	2700 U	750 U	1400 U	490 U	1200 U
Indeno(1,2,3-c,d)pyrene	SW8270C	4800 J	3900 J	880 J	1900 J	700 J	2400 J
Isophorone	SW8270C	3300 U	2700 U	750 U	1400 U	490 U	1200 U
Naphthalene	SW8270C	3000	2100	390 J	440	220	400
Nitrobenzene	SW8270C	6600 U	5400 U	1500 U	2800 U	990 U	2400 U
N-Nitrosodi-N-propylamine	SW8270C	660 U	540 U	150 U	280 U	100 U	240 U
N-Nitrosodiphenylamine	SW8270C	3300 U	2700 U	750 U	1400 U	490 U	1200 U
Pentachlorophenol	SW8270C	3300 U	2700 U	750 UJ	1400 U	490 U	1200 U
Phenanthrene	SW8270C	5900	5200	3600 J	2100	550	2600
Phenol	SW8270C	140 J	100 J	37 J	92 J	100 U	84 J
Pyrene	SW8270C	17000 J	15000 J	4700	4200 J	1900 J	4500 J

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2048	Spring Surface Sediment 2049	Spring Surface Sediment 2050	Spring Surface Sediment 2051	Spring Surface Sediment 2052	Spring Surface Sediment 2053
Tributary		English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
River Mile		0.42	0.49	0.57	0.6	0.63	0.71
Location ID		EK008SG_20120418	EK010SG_20120418	EK011SG_20120509	EK013SG_20120425	EK012SG_20120425	EK015SG_20120425
Sample ID		EK008SG-000015-20120418	EK010SG-000015-20120418	EK011SG-000010-20120509	EK013SG-000015-20120425	EK012SG-000015-20120425	EK015SG-000015-20120425
Sample Date		4/18/2012	4/18/2012	5/9/2012	4/25/2012	4/25/2012	4/25/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 10 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		19.7	12.3	11.6	10	9.6	8
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total cresol (o,m,p) (U = 0)	--	3300 U	2700 U	410 J	1500	490 UJ	850 J
Total cresol (o,m,p) (U = 1/2)	--	3300 U	2700 U	785 J	2200	490 UJ	1450 J
Polycyclic Aromatic Hydrocarbons (µg/kg)							
1,6,7-Trimethylnaphthalene	SW8270CMSIM	1800	1370	228	598	299	371
1-Methyldibenzothiophene	SW8270CMSIM	543	418	83.9	241	70.5	125
1-Methylnaphthalene	SW8270CMSIM	478	350	221	222	80.2	203
1-Methylphenanthrene	SW8270CMSIM	1600	1200	293	961	213	681
2,6-Dimethylnaphthalene	SW8270CMSIM	1700	1360	452	747	198	640
2-Methylantracene	SW8270CMSIM	1210	922	209	397	154	288
2-Methyldibenzothiophene and 3-methyldibenzothiophene	SW8270CMSIM	1260	995	137	422	148	176
2-Methylnaphthalene	SW8270CMSIM	1270	985	538	370	174	395
2-Methylphenanthrene	SW8270CMSIM	1290	998	298	676	170	630
4-Methyldibenzothiophene	SW8270CMSIM	2140	1680	275	728	146	413
4-Methylphenanthrene and 9-methylphenanthrene	SW8270CMSIM	1280	967	492	1230	354	808
Acenaphthene	SW8270CMSIM	2660	2090	796	628	126	611
Acenaphthylene	SW8270CMSIM	919	742	267	453	161	460
Anthracene	SW8270CMSIM	3800	2990	1210	1380	603	1280
Benzo(a)anthracene	SW8270CMSIM	7860	6120	1720	4060	1390	4720
Benzo(a)pyrene	SW8270CMSIM	6900	5480	1650	3820	1340	5140
Benzo(b)fluoranthene	SW8270CMSIM	6870	5640	1870	4100	1420	5810
Benzo(e)pyrene	SW8270CMSIM	5630	4420	1390	3140	1040	4180
Benzo(g,h,i)perylene	SW8270CMSIM	4580	3630	1060	2850	940	3980
Benzo(j,k)fluoranthene	SW8270CMSIM	5470	4170	1250	3500	1150	4660
Benzonaphthothiophene	SW8270CMSIM	3240	2510	894	1640	503	1690
Benzothiophene	SW8270CMSIM	119 J	90.8 J	40.9	135 U	15.4 J	114 U
Carbazole	SW8270CMSIM	701	514	139	302	89.9	461
Chrysene	SW8270CMSIM	8670	6820	2200	5010	1540	5620
Decalin, cis and trans-	SW8270CMSIM	423	317	138	314	112	361
Dibenzo(a,h)anthracene and dibenzo(a,c)anthracene	SW8270CMSIM	1420	1110	274	746	253	995
Dibenzothiophene	SW8270CMSIM	725	586	283	448	150	402

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2048	Spring Surface Sediment 2049	Spring Surface Sediment 2050	Spring Surface Sediment 2051	Spring Surface Sediment 2052	Spring Surface Sediment 2053
Tributary		English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
River Mile		0.42	0.49	0.57	0.6	0.63	0.71
Location ID		EK008SG_20120418	EK010SG_20120418	EK011SG_20120509	EK013SG_20120425	EK012SG_20120425	EK015SG_20120425
Sample ID		EK008SG-000015-20120418	EK010SG-000015-20120418	EK011SG-000010-20120509	EK013SG-000015-20120425	EK012SG-000015-20120425	EK015SG-000015-20120425
Sample Date		4/18/2012	4/18/2012	5/9/2012	4/25/2012	4/25/2012	4/25/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 10 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		19.7	12.3	11.6	10	9.6	8
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Fluoranthene	SW8270CMSIM	21900	16900	6300	10100	3940	12600
Fluorene	SW8270CMSIM	653	505	423	440	97.5	398
Indeno(1,2,3-c,d)pyrene	SW8270CMSIM	4230	3310	1040	2910	995	4220
Naphthalene	SW8270CMSIM	2870	2220	848	562	319	544
Perylene	SW8270CMSIM	1490	1160	436	1030	344	1360
Phenanthrene	SW8270CMSIM	4690	3680	1900	3140	756	3760
Pyrene	SW8270CMSIM	23000	18200	5600	9830	3870	11500
Retene	SW8270CMSIM	4590	3510	33.6 U	135 U	481	1030
Total benzofluoranthenes (U = 0)	--	12340	9810	3120	7600	2570	10470
Total benzofluoranthenes (U = 1/2)	--	12340	9810	3120	7600	2570	10470
Total cPAH TEQ (USEPA 1993) (U = 0)	--	10279.37	8145.52	2401.7	5713.01	1986.54	7662.22
Total cPAH TEQ (USEPA 1993) (U = 1/2)	--	10279.37	8145.52	2401.7	5713.01	1986.54	7662.22
Total HPAH (9 of 16) (U = 0)	--	90900	71380	22964	46926	16838	59245
Total HPAH (9 of 16) (U = 1/2)	--	90900	71380	22964	46926	16838	59245
Total LPAH (7 of 16) (U = 0)	--	16862	13212	5982	6973	2236.5	7448
Total LPAH (7 of 16) (U = 1/2)	--	16862	13212	5982	6973	2236.5	7448
Total PAH (16) (U = 0)	--	107762	84592	28946	53899	19074.5	66693
Total PAH (16) (U = 1/2)	--	107762	84592	28946	53899	19074.5	66693
Alkylated Polycyclic Aromatic Hydrocarbons (µg/kg)							
C1-Benzo(a)anthracenes/chrysenes	SW8270CMSIM	6090	4860	1950	3480	1060	3010
C1-Benzo(b)thiophenes	SW8270CMSIM	231	180	62.8	168	48.2	154
C1-Decalins	SW8270CMSIM	3940	3070	619	1240	629	1330
C1-Dibenzothiophenes	SW8270CMSIM	4300	3290	538	1550	403	811
C1-Fluoranthenes/Pyrenes	SW8270CMSIM	16300	12700	3620	6170	2250	5700
C1-Fluorenes	SW8270CMSIM	2820	2020	351	971	258	570
C1-Naphthalenes	SW8270CMSIM	1040	781	494	365	161	376
C1-Phenanthrenes/Anthracenes	SW8270CMSIM	10500	8280	1910	4420	1240	3110
C2-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	5080	4140	2470	4010	992	2720
C2-Benzo(b)thiophenes	SW8270CMSIM	361	278	98.1	184	70.8	128
C2-Decalins	SW8270CMSIM	6560	4900	1260	2320	1120	2470
C2-Dibenzothiophenes	SW8270CMSIM	10500	8180	1790	4170	1100	1980
C2-Fluorenes	SW8270CMSIM	11400	8960	1520	4040	1280	2450
C2-Naphthalenes	SW8270CMSIM	3010	2370	756	1620	402	1020

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2048	Spring Surface Sediment 2049	Spring Surface Sediment 2050	Spring Surface Sediment 2051	Spring Surface Sediment 2052	Spring Surface Sediment 2053
Tributary		English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
River Mile		0.42	0.49	0.57	0.6	0.63	0.71
Location ID		EK008SG_20120418	EK010SG_20120418	EK011SG_20120509	EK013SG_20120425	EK012SG_20120425	EK015SG_20120425
Sample ID		EK008SG-000015-20120418	EK010SG-000015-20120418	EK011SG-000010-20120509	EK013SG-000015-20120425	EK012SG-000015-20120425	EK015SG-000015-20120425
Sample Date		4/18/2012	4/18/2012	5/9/2012	4/25/2012	4/25/2012	4/25/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 10 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		19.7	12.3	11.6	10	9.6	8
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
C2-Phenanthrenes/Anthracenes	SW8270CMSIM	21700	16900	3680	8810	2500	5350
C3-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	4410	3460	2390	4340	914	2720
C3-Benzo(b)thiophenes	SW8270CMSIM	1170	896	239	511	170	353
C3-Decalins	SW8270CMSIM	4840	4000	1090	2120	902	2070
C3-Dibenzothiophenes	SW8270CMSIM	9870	7690	2280	4670	1160	2410
C3-Fluorenes	SW8270CMSIM	12700	10200	2280	5640	1690	3900
C3-Naphthalenes	SW8270CMSIM	11900	9340	1690	4970	1830	2560
C3-Phenanthrenes/Anthracenes	SW8270CMSIM	14900	11300	3350	6660	1920	4060
C4-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	2190	1760	1310	2620	506	1720
C4-Benzo(b)thiophenes	SW8270CMSIM	1570	1210	301	658	183	410
C4-Decalins	SW8270CMSIM	9260	7130	2040	3750	1510	3430
C4-Dibenzothiophenes	SW8270CMSIM	4820	3870	1570	3340	732	1810
C4-Naphthalenes	SW8270CMSIM	15900	12300	2410	5980	2010	3460
C4-Phenanthrenes/Anthracenes	SW8270CMSIM	6640	5160	2020	3810	959	2300
n-Alkanes and Isoprenoids (µg/kg)							
2,6,10-Trimethyldodecane	SW8015M	10200 J	7130	1020 J	3100 J	896 J	3070 J
2,6,10-Trimethyltridecane	SW8015M	23600 J	20700 J	2360 J	8760 J	2420 J	7920 J
n-Decane (C10)	SW8015M	8560 U	6730 U	2240 U	9000 U	1440 U	7570 U
n-Docosane (C22)	SW8015M	8560 U	6730 U	1070 J	9170	1440 U	1410 J
n-Dodecane (C12)	SW8015M	2290 J	2860 J	574 J	9000 U	1440 U	7570 U
n-Dotriacontane (C32)	SW8015M	8560 U	6730 U	9110	20500	829 J	4210 J
n-Eicosane (C20)	SW8015M	8560 U	6730 U	2390	8740 J	1440 U	7570 U
n-Heneicosane (C21)	SW8015M	8560 U	2180 J	1460 J	8080 J	1440 U	4470 J
n-Hentriacontane (C31)	SW8015M	22900 J	34900	2540	64400	6350	26600
n-Heptacosane (C27)	SW8015M	4420 J	7040	2340	34800	869 J	7280 J
n-Heptadecane (C17)	SW8015M	5350 J	6840	1440 J	8440 J	926 J	3560 J
n-Heptatriacontane (C37)	SW8015M	8560 U	6730 U	1100 J	7690 J	1440 U	2780 J
n-Hexacosane (C26)	SW8015M	5910 J	6840	3880	32900	1440 U	6410 J
n-Hexadecane (C16)	SW8015M	3890 J	3860 J	1780 J	4860 J	714 J	2410 J
n-Hexatriacontane (C36)	SW8015M	3160 J	6730 U	1040 J	13800	1440 U	7570 U
n-Nonacosane (C29)	SW8015M	8560 U	6730 U	3630	68200	6450	13200
n-Nonadecane (C19)	SW8015M	8560 U	6730 U	1220 J	5020 J	450 J	7570 U
n-Nonane (C9)	SW8015M	8560 U	6730 U	2240 U	9000 U	1440 U	7570 U

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2048	Spring Surface Sediment 2049	Spring Surface Sediment 2050	Spring Surface Sediment 2051	Spring Surface Sediment 2052	Spring Surface Sediment 2053
Tributary		English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
River Mile		0.42	0.49	0.57	0.6	0.63	0.71
Location ID		EK008SG_20120418	EK010SG_20120418	EK011SG_20120509	EK013SG_20120425	EK012SG_20120425	EK015SG_20120425
Sample ID		EK008SG-000015-20120418	EK010SG-000015-20120418	EK011SG-000010-20120509	EK013SG-000015-20120425	EK012SG-000015-20120425	EK015SG-000015-20120425
Sample Date		4/18/2012	4/18/2012	5/9/2012	4/25/2012	4/25/2012	4/25/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 10 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		19.7	12.3	11.6	10	9.6	8
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
n-Nonatriacontane (C39)	SW8015M	8560 U	6730 U	1090 J	4940 J	1440 U	7570 U
n-Octacosane (C28)	SW8015M	8560 U	6730 U	1830 J	28300	1440 U	7570 U
n-Octadecane (C18)	SW8015M	8560 U	6730 UJ	3460 J	7900 J	1010 J	5100 J
n-Octatriacontane (C38)	SW8015M	4360 J	6730 U	1170 J	8920 J	899 J	3820 J
Norpristane	SW8015M	19900 J	15400	2240	10000	1870	8610
n-Pentacosane (C25)	SW8015M	8560 U	27900 J	1370 J	38300	3640 J	17800 J
n-Pentadecane (C15)	SW8015M	5060 J	3860 J	2520	5740 J	991 J	2180 J
n-Pentatriacontane (C35)	SW8015M	5920 J	8240	2380	23900	1360 J	8640
n-Tetracontane (C40)	SW8015M	8560 U	6730 U	1120 J	5520 J	567 J	3530 J
n-Tetracosane (C24)	SW8015M	8560 U	6730 U	751 J	15800	1440 U	7570 U
n-Tetradecane (C14)	SW8015M	2100 J	2320 J	1410 J	3510 J	258 J	2230 J
n-Tetratriacontane (C34)	SW8015M	8560 U	6730 U	4050	26500	2430	13000
n-Triacontane (C30)	SW8015M	3160 J	6080 J	2700	31600	1320 J	5680 J
n-Tricosane (C23)	SW8015M	8560 U	6730 U	590 J	12300	1440 U	3410 J
n-Tridecane (C13)	SW8015M	8840 J	7790	1060 J	2500 J	1440 U	7570 U
n-Tritriacontane (C33)	SW8015M	8560 U	6730 U	4890	46700	3710	23700
n-Undecane (C11)	SW8015M	5300 J	4610 J	758 J	9000 U	603 J	7570 U
Pesticides (µg/kg)							
2,4'-DDD (o,p'-DDD)	SW8081A	0.41 U	14 J	8.9 J	0.35 UJ	2.2 J	0.3 UJ
2,4'-DDE (o,p'-DDE)	SW8081A	66	61	16 J	26 J	13 J	15 J
2,4'-DDT (o,p'-DDT)	SW8081A	4.1 U	3.4 U	0.95 U	5 J	0.12 U	0.3 U
4,4'-DDD (p,p'-DDD)	SW8081A	160	84	31 J	11 J	2.3 J	14 J
4,4'-DDE (p,p'-DDE)	SW8081A	84 J	82 J	25 J	26 J	11 J	34 J
4,4'-DDT (p,p'-DDT)	SW8081A	44 J	47 J	4.4 J	32	1.5 J	28 J
Aldrin	SW8081A	4.1 U	3.4 U	0.19 U	0.35 U	0.12 UJ	0.3 U
alpha-Hexachlorocyclohexane (BHC)	SW8081A	0.3 J	0.27 J	0.95 U	0.27 J	0.054 J	1 J
Chlordane, alpha- (cis-Chlordane)	SW8081A	130	69	28	0.35 UJ	-- R	0.3 UJ
Chlordane, beta- (trans-Chlordane)	SW8081A	0.41 U	0.34 U	0.95 U	0.35 U	1.1 J	0.3 U
delta-Hexachlorocyclohexane (BHC)	SW8081A	0.41 U	0.34 U	0.44 J	0.35 U	-- R	0.3 U
Dieldrin	SW8081A	44	43	0.95 U	21	5.7	15
Endosulfan sulfate	SW8081A	0.41 U	0.34 U	0.95 UJ	1.9 UJ	0.24 UJ	3.6 UJ
Endosulfan-alpha (I)	SW8081A	0.41 U	0.34 U	0.95 U	0.35 U	-- R	0.3 U
Endosulfan-beta (II)	SW8081A	0.41 U	0.34 U	1.7 J	6 J	1.7 J	11 J

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2048	Spring Surface Sediment 2049	Spring Surface Sediment 2050	Spring Surface Sediment 2051	Spring Surface Sediment 2052	Spring Surface Sediment 2053
Task		English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
Tributary		0.42	0.49	0.57	0.6	0.63	0.71
River Mile							
Location ID		EK008SG_20120418	EK010SG_20120418	EK011SG_20120509	EK013SG_20120425	EK012SG_20120425	EK015SG_20120425
Sample ID		EK008SG-000015-20120418	EK010SG-000015-20120418	EK011SG-000010-20120509	EK013SG-000015-20120425	EK012SG-000015-20120425	EK015SG-000015-20120425
Sample Date		4/18/2012	4/18/2012	5/9/2012	4/25/2012	4/25/2012	4/25/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 10 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		19.7	12.3	11.6	10	9.6	8
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Endrin	SW8081A	6.7	4.7 J	1.8 J	10 J	-- R	4.5 J
Endrin aldehyde	SW8081A	3.9 J	0.49 J	1.1 J	2.8 J	0.12 UJ	0.3 UJ
Endrin ketone	SW8081A	-- R	-- R	0.95 UJ	0.35 UJ	0.12 UJ	0.3 UJ
Heptachlor	SW8081A	4.1 U	3.4 U	0.19 U	0.35 U	-- R	0.3 U
Heptachlor epoxide	SW8081A	3.6 J	5.2 J	0.9 J	4.2 J	0.64 J	3.1 J
Hexachlorobenzene	SW8081A	3.9 J	6.7	0.95 J	2.3	0.35 J	4.2 J
Hexachlorocyclohexane, beta- (BHC)	SW8081A	0.85 J	0.41 J	0.95 U	0.35 U	0.14 J	0.71 J
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	SW8081A	0.41 U	0.34 U	0.95 U	0.79 J	0.35 J	0.3 U
Methoxychlor	SW8081A	0.82 U	0.84 J	3.6 J	0.71 UJ	0.51 UJ	0.61 U
Mirex	SW8081A	4.1 U	3.4 U	0.33	1.3 J	0.12 U	0.24 J
Nonachlor, cis-	SW8081A	18 J	25	3.2 J	0.35 U	0.12 U	0.3 U
Nonachlor, trans-	SW8081A	0.41 U	0.34 U	0.19 U	3.3 J	2.2 J	4 J
Oxychlordane	SW8081A	1.7 J	0.34 U	0.95 U	0.35 U	0.37 UJ	4.8
Sum DDD (U = 0)	--	160	98 J	39.9 J	11 J	4.5 J	14 J
Sum DDD (U = 1/2)	--	160.21	98 J	39.9 J	11.18 J	4.5 J	14.15 J
Sum DDE (U = 0)	--	150 J	143 J	41 J	52 J	24 J	49 J
Sum DDE (U = 1/2)	--	150 J	143 J	41 J	52 J	24 J	49 J
Sum DDT (U = 0)	--	44 J	47 J	4.4 J	37 J	1.5 J	28 J
Sum DDT (U = 1/2)	--	46 J	48.7 J	4.88 J	37 J	1.56 J	28.15 J
Total chlordane (U = 0)	--	149.7 J	94	31.2 J	3.3 J	3.3 J	8.8 J
Total chlordane (U = 1/2)	--	150.11 J	94.51	32.24 J	4 J	3.55 J	9.25 J
Total DDx (U = 0)	--	354 J	288 J	85.3 J	100 J	30 J	91 J
Total DDx (U = 1/2)	--	356.25 J	289.7 J	85.78 J	100.17 J	30.06 J	91.3 J
Toxaphene	SW8081A	16 U	13 U	38 U	460 J	4.9 U	12 U
Pesticides - High Resolution (µg/kg)							
2,4'-DDD (o,p'-DDD)	E1699	--	97	--	--	--	--
2,4'-DDE (o,p'-DDE)	E1699	--	12 J	--	--	--	--
2,4'-DDT (o,p'-DDT)	E1699	--	0.97 J	--	--	--	--
4,4'-DDD (p,p'-DDD)	E1699	--	260	--	--	--	--
4,4'-DDE (p,p'-DDE)	E1699	--	170	--	--	--	--
4,4'-DDT (p,p'-DDT)	E1699	--	8.4	--	--	--	--
Aldrin	E1699	--	0.96 J	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2048	Spring Surface Sediment 2049	Spring Surface Sediment 2050	Spring Surface Sediment 2051	Spring Surface Sediment 2052	Spring Surface Sediment 2053
Task		English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
Tributary		0.42	0.49	0.57	0.6	0.63	0.71
River Mile							
Location ID		EK008SG_20120418	EK010SG_20120418	EK011SG_20120509	EK013SG_20120425	EK012SG_20120425	EK015SG_20120425
Sample ID		EK008SG-000015-20120418	EK010SG-000015-20120418	EK011SG-000010-20120509	EK013SG-000015-20120425	EK012SG-000015-20120425	EK015SG-000015-20120425
Sample Date		4/18/2012	4/18/2012	5/9/2012	4/25/2012	4/25/2012	4/25/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 10 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		19.7	12.3	11.6	10	9.6	8
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
alpha-Hexachlorocyclohexane (BHC)	E1699	--	1 U	--	--	--	--
Chlordane, alpha- (cis-Chlordane)	E1699	--	220	--	--	--	--
Chlordane, beta- (trans-Chlordane)	E1699	--	270	--	--	--	--
delta-Hexachlorocyclohexane (BHC)	E1699	--	1.5 U	--	--	--	--
Dieldrin	E1699	--	78	--	--	--	--
Endosulfan sulfate	E1699	--	0.19 U	--	--	--	--
Endosulfan-alpha (I)	E1699	--	1 U	--	--	--	--
Endosulfan-beta (II)	E1699	--	1.2 U	--	--	--	--
Endrin	E1699	--	0.32 U	--	--	--	--
Endrin aldehyde	E1699	--	0.48 U	--	--	--	--
Endrin ketone	E1699	--	1.4 J	--	--	--	--
Heptachlor	E1699	--	0.86 J	--	--	--	--
Heptachlor epoxide	E1699	--	1.1 J	--	--	--	--
Hexachlorobenzene	E1699	--	10	--	--	--	--
Hexachlorocyclohexane, beta- (BHC)	E1699	--	0.4 J	--	--	--	--
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	E1699	--	0.66 J	--	--	--	--
Methoxychlor	E1699	--	0.82 U	--	--	--	--
Mirex	E1699	--	1.7 J	--	--	--	--
Nonachlor, cis-	E1699	--	40	--	--	--	--
Nonachlor, trans-	E1699	--	120	--	--	--	--
Oxychlordane	E1699	--	0.066 U	--	--	--	--
Sum DDD high resolution (U = 0)	--	--	357	--	--	--	--
Sum DDD high resolution (U = 1/2)	--	--	357	--	--	--	--
Sum DDE high resolution (U = 0)	--	--	182 J	--	--	--	--
Sum DDE high resolution (U = 1/2)	--	--	182 J	--	--	--	--
Sum DDT high resolution (U = 0)	--	--	9.37 J	--	--	--	--
Sum DDT high resolution (U = 1/2)	--	--	9.37 J	--	--	--	--
Total chlordane high resolution (U = 0)	--	--	650	--	--	--	--
Total chlordane high resolution (U = 1/2)	--	--	650.033	--	--	--	--
Total DDx high resolution (U = 0)	--	--	548.37 J	--	--	--	--
Total DDx high resolution (U = 1/2)	--	--	548.37 J	--	--	--	--
Toxaphene	E1699	--	190 U	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2048	Spring Surface Sediment 2049	Spring Surface Sediment 2050	Spring Surface Sediment 2051	Spring Surface Sediment 2052	Spring Surface Sediment 2053
Tributary		English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
River Mile		0.42	0.49	0.57	0.6	0.63	0.71
Location ID		EK008SG_20120418	EK010SG_20120418	EK011SG_20120509	EK013SG_20120425	EK012SG_20120425	EK015SG_20120425
Sample ID		EK008SG-000015-20120418	EK010SG-000015-20120418	EK011SG-000010-20120509	EK013SG-000015-20120425	EK012SG-000015-20120425	EK015SG-000015-20120425
Sample Date		4/18/2012	4/18/2012	5/9/2012	4/25/2012	4/25/2012	4/25/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 10 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		19.7	12.3	11.6	10	9.6	8
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Herbicides (µg/kg)							
2,2-Dichloropropionic acid (dalapon)	SW8151A	450 U	360 U	200 U	380 U	130 UJ	330 U
2,4,5-T (2,4,5-trichlorophenoxyacetic acid)	SW8151A	100 U	81 U	45 U	85 U	30 UJ	72 U
2,4,5-TP (Silvex)	SW8151A	100 U	81 U	45 U	9.1 J	3.3 J	72 U
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	400 U	320 U	180 U	340 U	120 UJ	290 U
2,4-DB (2,4-D derivative)	SW8151A	400 U	320 U	180 U	340 U	120 UJ	290 U
Dicamba	SW8151A	200 U	160 U	91 U	170 U	60 U	140 U
Dichlorprop	SW8151A	400 U	320 U	180 U	85 J	41 J	120 J
Dinoseb	SW8151A	60 UJ	49 UJ	27 UJ	51 U	-- R	43 U
Mecoprop (MCP)	SW8151A	40000 U	32000 U	18000 U	34000 U	12000 U	29000 U
Mephanac (MCPA)	SW8151A	40000 U	32000 U	18000 U	34000 U	12000 UJ	29000 U
Dioxin Furans (ng/kg)							
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	--	12	--	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	--	29.1	--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	42.7	--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	152	--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	97.2	--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B	--	3000	--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B	--	29000 J	--	--	--	--
Total tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	--	310 J	--	--	--	--
Total pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	--	318 J	--	--	--	--
Total hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	1130	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2048	Spring Surface Sediment 2049	Spring Surface Sediment 2050	Spring Surface Sediment 2051	Spring Surface Sediment 2052	Spring Surface Sediment 2053
Task		English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
Tributary		0.42	0.49	0.57	0.6	0.63	0.71
River Mile							
Location ID		EK008SG_20120418	EK010SG_20120418	EK011SG_20120509	EK013SG_20120425	EK012SG_20120425	EK015SG_20120425
Sample ID		EK008SG-000015-20120418	EK010SG-000015-20120418	EK011SG-000010-20120509	EK013SG-000015-20120425	EK012SG-000015-20120425	EK015SG-000015-20120425
Sample Date		4/18/2012	4/18/2012	5/9/2012	4/25/2012	4/25/2012	4/25/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 10 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		19.7	12.3	11.6	10	9.6	8
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total heptachlorodibenzo-p-dioxin (HpCDD)	E1613B	--	6050	--	--	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B	--	64.9	--	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B	--	95.7	--	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B	--	131	--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B	--	308	--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B	--	158	--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B	--	0.581 U	--	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B	--	121	--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B	--	1810	--	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B	--	87	--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B	--	3210	--	--	--	--
Total tetrachlorodibenzofuran (TCDF)	E1613B	--	2070	--	--	--	--
Total pentachlorodibenzofuran (PeCDF)	E1613B	--	1900	--	--	--	--
Total hexachlorodibenzofuran (HxCDF)	E1613B	--	2230	--	--	--	--
Total heptachlorodibenzofuran (HpCDF)	E1613B	--	3200	--	--	--	--
Total dioxin/furan TEQ 1998 (avian) (U = 0)	--	--	343.836 J	--	--	--	--
Total dioxin/furan TEQ 1998 (avian) (U = 1/2)	--	--	343.865 J	--	--	--	--
Total dioxin/furan TEQ 1998 (fish) (U = 0)	--	--	222.363 J	--	--	--	--
Total dioxin/furan TEQ 1998 (fish) (U = 1/2)	--	--	222.392 J	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2048	Spring Surface Sediment 2049	Spring Surface Sediment 2050	Spring Surface Sediment 2051	Spring Surface Sediment 2052	Spring Surface Sediment 2053
Tributary		English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
River Mile		0.42	0.49	0.57	0.6	0.63	0.71
Location ID		EK008SG_20120418	EK010SG_20120418	EK011SG_20120509	EK013SG_20120425	EK012SG_20120425	EK015SG_20120425
Sample ID		EK008SG-000015-20120418	EK010SG-000015-20120418	EK011SG-000010-20120509	EK013SG-000015-20120425	EK012SG-000015-20120425	EK015SG-000015-20120425
Sample Date		4/18/2012	4/18/2012	5/9/2012	4/25/2012	4/25/2012	4/25/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 10 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		19.7	12.3	11.6	10	9.6	8
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total dioxin/furan TEQ 2005 (mammal) (U = 0)	--	--	236.284 J	--	--	--	--
Total dioxin/furan TEQ 2005 (mammal) (U = 1/2)	--	--	236.313 J	--	--	--	--
PCB Aroclors (µg/kg)							
Aroclor 1016	SW8082A	210 U	170 U	9.4 U	35 U	-- R	30 U
Aroclor 1221	SW8082A	210 U	170 U	9.4 U	35 U	12 U	30 U
Aroclor 1232	SW8082A	210 U	170 U	9.4 U	35 U	12 U	30 U
Aroclor 1242	SW8082A	9600	10000	1700	1400	1100	660
Aroclor 1248	SW8082A	210 U	170 U	9.4 U	35 U	12 U	30 U
Aroclor 1254	SW8082A	8200	8500	1800	2500	1200	1600
Aroclor 1260	SW8082A	210 U	170 U	9.4 U	35 U	-- R	30 U
Aroclor 1262	SW8082A	210 U	170 U	9.4 U	35 U	12 U	30 U
Aroclor 1268	SW8082A	210 U	170 U	9.4 U	35 U	12 U	30 U
Total PCB Aroclors (U = 0)	--	17800	18500	3500	3900	2300	2260
Total PCB Aroclors (U = 1/2)	--	18535	19095	3532.9	4022.5	2330	2365
PCB Congeners (ng/kg)							
PCB-001	E1668B	--	32000 J	--	--	--	--
PCB-002	E1668B	--	2820	--	--	--	--
PCB-003	E1668B	--	27600 J	--	--	--	--
PCB-004	E1668B	--	93900 J	--	--	--	--
PCB-005	E1668B	--	6940 J	--	--	--	--
PCB-006	E1668B	--	63600 J	--	--	--	--
PCB-007	E1668B	--	14600 J	--	--	--	--
PCB-008	E1668B	--	285000 J	--	--	--	--
PCB-009	E1668B	--	24800 J	--	--	--	--
PCB-010	E1668B	--	5400 J	--	--	--	--
PCB-011	E1668B	--	9210 J	--	--	--	--
PCB-012/013	E1668B	--	25700 J	--	--	--	--
PCB-014	E1668B	--	77.7 U	--	--	--	--
PCB-015	E1668B	--	158000 J	--	--	--	--
PCB-016	E1668B	--	221000 J	--	--	--	--
PCB-017	E1668B	--	200000 J	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2048	Spring Surface Sediment 2049	Spring Surface Sediment 2050	Spring Surface Sediment 2051	Spring Surface Sediment 2052	Spring Surface Sediment 2053
		Tributary	English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
		River Mile	0.42	0.49	0.57	0.6	0.63	0.71
		Location ID	EK008SG_20120418	EK010SG_20120418	EK011SG_20120509	EK013SG_20120425	EK012SG_20120425	EK015SG_20120425
		Sample ID	EK008SG-000015-20120418	EK010SG-000015-20120418	EK011SG-000010-20120509	EK013SG-000015-20120425	EK012SG-000015-20120425	EK015SG-000015-20120425
		Sample Date	4/18/2012	4/18/2012	5/9/2012	4/25/2012	4/25/2012	4/25/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 10 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	19.7	12.3	11.6	10	9.6	8
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-018/030	E1668B	--	408000 J	--	--	--	--	--
PCB-019	E1668B	--	42600 J	--	--	--	--	--
PCB-020/028	E1668B	--	618000 J	--	--	--	--	--
PCB-021/033	E1668B	--	321000 J	--	--	--	--	--
PCB-022	E1668B	--	235000 J	--	--	--	--	--
PCB-023	E1668B	--	840	--	--	--	--	--
PCB-024	E1668B	--	31.1 U	--	--	--	--	--
PCB-025	E1668B	--	55100 J	--	--	--	--	--
PCB-026/029	E1668B	--	106000 J	--	--	--	--	--
PCB-027	E1668B	--	31400 J	--	--	--	--	--
PCB-031	E1668B	--	555000 J	--	--	--	--	--
PCB-032	E1668B	--	127000 J	--	--	--	--	--
PCB-034	E1668B	--	2360	--	--	--	--	--
PCB-035	E1668B	--	9590 J	--	--	--	--	--
PCB-036	E1668B	--	102 U	--	--	--	--	--
PCB-037	E1668B	--	135000 J	--	--	--	--	--
PCB-038	E1668B	--	404	--	--	--	--	--
PCB-039	E1668B	--	100 U	--	--	--	--	--
PCB-040/071	E1668B	--	255000 J	--	--	--	--	--
PCB-041	E1668B	--	72700 J	--	--	--	--	--
PCB-042	E1668B	--	167000 J	--	--	--	--	--
PCB-043	E1668B	--	26800 J	--	--	--	--	--
PCB-044/047/065	E1668B	--	614000 J	--	--	--	--	--
PCB-045	E1668B	--	--	--	--	--	--	--
PCB-045/051	E1668B	--	140000 J	--	--	--	--	--
PCB-046	E1668B	--	42900 J	--	--	--	--	--
PCB-048	E1668B	--	142000 J	--	--	--	--	--
PCB-049/069	E1668B	--	349000 J	--	--	--	--	--
PCB-050/053	E1668B	--	99100 J	--	--	--	--	--
PCB-051	E1668B	--	--	--	--	--	--	--
PCB-052	E1668B	--	885000 J	--	--	--	--	--
PCB-054	E1668B	--	1540	--	--	--	--	--
PCB-055	E1668B	--	101 U	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2048	Spring Surface Sediment 2049	Spring Surface Sediment 2050	Spring Surface Sediment 2051	Spring Surface Sediment 2052	Spring Surface Sediment 2053
		Tributary	English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
		River Mile	0.42	0.49	0.57	0.6	0.63	0.71
		Location ID	EK008SG_20120418	EK010SG_20120418	EK011SG_20120509	EK013SG_20120425	EK012SG_20120425	EK015SG_20120425
		Sample ID	EK008SG-000015-20120418	EK010SG-000015-20120418	EK011SG-000010-20120509	EK013SG-000015-20120425	EK012SG-000015-20120425	EK015SG-000015-20120425
		Sample Date	4/18/2012	4/18/2012	5/9/2012	4/25/2012	4/25/2012	4/25/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 10 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	19.7	12.3	11.6	10	9.6	8
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-056	E1668B	--	234000 J	--	--	--	--	--
PCB-057	E1668B	--	100 U	--	--	--	--	--
PCB-058	E1668B	--	799 J	--	--	--	--	--
PCB-059/062/075	E1668B	--	50500 J	--	--	--	--	--
PCB-060	E1668B	--	141000 J	--	--	--	--	--
PCB-061/070/074/076	E1668B	--	893000 J	--	--	--	--	--
PCB-063	E1668B	--	18700 J	--	--	--	--	--
PCB-064	E1668B	--	236000 J	--	--	--	--	--
PCB-066	E1668B	--	470000 J	--	--	--	--	--
PCB-067	E1668B	--	18200 J	--	--	--	--	--
PCB-068	E1668B	--	1230	--	--	--	--	--
PCB-072	E1668B	--	2480	--	--	--	--	--
PCB-073	E1668B	--	40.5 U	--	--	--	--	--
PCB-077	E1668B	--	43100 J	--	--	--	--	--
PCB-078	E1668B	--	104 U	--	--	--	--	--
PCB-079	E1668B	--	90.3 U	--	--	--	--	--
PCB-080	E1668B	--	92.9 U	--	--	--	--	--
PCB-081	E1668B	--	122 U	--	--	--	--	--
PCB-082	E1668B	--	90500 J	--	--	--	--	--
PCB-083	E1668B	--	26100 J	--	--	--	--	--
PCB-084	E1668B	--	196000 J	--	--	--	--	--
PCB-085/116	E1668B	--	--	--	--	--	--	--
PCB-085/116/117	E1668B	--	117000 J	--	--	--	--	--
PCB-086/087/097/108/119/125	E1668B	--	484000 J	--	--	--	--	--
PCB-088	E1668B	--	--	--	--	--	--	--
PCB-088/091	E1668B	--	92200 J	--	--	--	--	--
PCB-089	E1668B	--	9780 J	--	--	--	--	--
PCB-090/101/113	E1668B	--	656000 J	--	--	--	--	--
PCB-091	E1668B	--	--	--	--	--	--	--
PCB-092	E1668B	--	120000 J	--	--	--	--	--
PCB-093/100	E1668B	--	4110	--	--	--	--	--
PCB-094	E1668B	--	3540	--	--	--	--	--
PCB-095	E1668B	--	509000 J	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2048	Spring Surface Sediment 2049	Spring Surface Sediment 2050	Spring Surface Sediment 2051	Spring Surface Sediment 2052	Spring Surface Sediment 2053
		Tributary	English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
		River Mile	0.42	0.49	0.57	0.6	0.63	0.71
		Location ID	EK008SG_20120418	EK010SG_20120418	EK011SG_20120509	EK013SG_20120425	EK012SG_20120425	EK015SG_20120425
		Sample ID	EK008SG-000015-20120418	EK010SG-000015-20120418	EK011SG-000010-20120509	EK013SG-000015-20120425	EK012SG-000015-20120425	EK015SG-000015-20120425
		Sample Date	4/18/2012	4/18/2012	5/9/2012	4/25/2012	4/25/2012	4/25/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 10 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	19.7	12.3	11.6	10	9.6	8
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-096	E1668B	--	7160 J	--	--	--	--	--
PCB-098	E1668B	--	--	--	--	--	--	--
PCB-098/102	E1668B	--	23000 J	--	--	--	--	--
PCB-099	E1668B	--	293000 J	--	--	--	--	--
PCB-102	E1668B	--	--	--	--	--	--	--
PCB-103	E1668B	--	3670	--	--	--	--	--
PCB-104	E1668B	--	95.5	--	--	--	--	--
PCB-105	E1668B	--	256000 J	--	--	--	--	--
PCB-106	E1668B	--	353 U	--	--	--	--	--
PCB-107/124	E1668B	--	25300 J	--	--	--	--	--
PCB-109	E1668B	--	42400 J	--	--	--	--	--
PCB-110	E1668B	--	--	--	--	--	--	--
PCB-110/115	E1668B	--	729000 J	--	--	--	--	--
PCB-111	E1668B	--	71.5 U	--	--	--	--	--
PCB-112	E1668B	--	74.2 U	--	--	--	--	--
PCB-114	E1668B	--	17300 J	--	--	--	--	--
PCB-115	E1668B	--	--	--	--	--	--	--
PCB-117	E1668B	--	--	--	--	--	--	--
PCB-118	E1668B	--	525000 J	--	--	--	--	--
PCB-120	E1668B	--	507	--	--	--	--	--
PCB-121	E1668B	--	74.7 U	--	--	--	--	--
PCB-122	E1668B	--	7000 J	--	--	--	--	--
PCB-123	E1668B	--	9860 J	--	--	--	--	--
PCB-126	E1668B	--	5430 J	--	--	--	--	--
PCB-127	E1668B	--	1220	--	--	--	--	--
PCB-128/166	E1668B	--	103000 J	--	--	--	--	--
PCB-129/138/163	E1668B	--	658000 J	--	--	--	--	--
PCB-130	E1668B	--	40400 J	--	--	--	--	--
PCB-131	E1668B	--	11200 J	--	--	--	--	--
PCB-132	E1668B	--	209000 J	--	--	--	--	--
PCB-133	E1668B	--	7780 J	--	--	--	--	--
PCB-134	E1668B	--	36700 J	--	--	--	--	--
PCB-135/151	E1668B	--	181000 J	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2048	Spring Surface Sediment 2049	Spring Surface Sediment 2050	Spring Surface Sediment 2051	Spring Surface Sediment 2052	Spring Surface Sediment 2053
		Tributary	English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
		River Mile	0.42	0.49	0.57	0.6	0.63	0.71
		Location ID	EK008SG_20120418	EK010SG_20120418	EK011SG_20120509	EK013SG_20120425	EK012SG_20120425	EK015SG_20120425
		Sample ID	EK008SG-000015-20120418	EK010SG-000015-20120418	EK011SG-000010-20120509	EK013SG-000015-20120425	EK012SG-000015-20120425	EK015SG-000015-20120425
		Sample Date	4/18/2012	4/18/2012	5/9/2012	4/25/2012	4/25/2012	4/25/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 10 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	19.7	12.3	11.6	10	9.6	8
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-136	E1668B	--	81000 J	--	--	--	--	--
PCB-137	E1668B	--	27700 J	--	--	--	--	--
PCB-139/140	E1668B	--	11500 J	--	--	--	--	--
PCB-141	E1668B	--	114000 J	--	--	--	--	--
PCB-142	E1668B	--	206 U	--	--	--	--	--
PCB-143	E1668B	--	213 U	--	--	--	--	--
PCB-144	E1668B	--	29600 J	--	--	--	--	--
PCB-145	E1668B	--	223 J	--	--	--	--	--
PCB-146	E1668B	--	80100 J	--	--	--	--	--
PCB-147/149	E1668B	--	465000 J	--	--	--	--	--
PCB-148	E1668B	--	376	--	--	--	--	--
PCB-150	E1668B	--	728	--	--	--	--	--
PCB-152	E1668B	--	604	--	--	--	--	--
PCB-153/168	E1668B	--	464000 J	--	--	--	--	--
PCB-154	E1668B	--	4690	--	--	--	--	--
PCB-155	E1668B	--	72.2	--	--	--	--	--
PCB-156/157	E1668B	--	90400 J	--	--	--	--	--
PCB-158	E1668B	--	71200 J	--	--	--	--	--
PCB-159	E1668B	--	203 U	--	--	--	--	--
PCB-160	E1668B	--	166 U	--	--	--	--	--
PCB-161	E1668B	--	148 U	--	--	--	--	--
PCB-162	E1668B	--	186 U	--	--	--	--	--
PCB-164	E1668B	--	42700 J	--	--	--	--	--
PCB-165	E1668B	--	170 U	--	--	--	--	--
PCB-167	E1668B	--	26800 J	--	--	--	--	--
PCB-169	E1668B	--	2080 J	--	--	--	--	--
PCB-170	E1668B	--	107000 J	--	--	--	--	--
PCB-171/173	E1668B	--	35300 J	--	--	--	--	--
PCB-172	E1668B	--	17700 J	--	--	--	--	--
PCB-174	E1668B	--	121000 J	--	--	--	--	--
PCB-175	E1668B	--	4850	--	--	--	--	--
PCB-176	E1668B	--	15000 J	--	--	--	--	--
PCB-177	E1668B	--	63400 J	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2048	Spring Surface Sediment 2049	Spring Surface Sediment 2050	Spring Surface Sediment 2051	Spring Surface Sediment 2052	Spring Surface Sediment 2053
		Tributary	English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
		River Mile	0.42	0.49	0.57	0.6	0.63	0.71
		Location ID	EK008SG_20120418	EK010SG_20120418	EK011SG_20120509	EK013SG_20120425	EK012SG_20120425	EK015SG_20120425
		Sample ID	EK008SG-000015-20120418	EK010SG-000015-20120418	EK011SG-000010-20120509	EK013SG-000015-20120425	EK012SG-000015-20120425	EK015SG-000015-20120425
		Sample Date	4/18/2012	4/18/2012	5/9/2012	4/25/2012	4/25/2012	4/25/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 10 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	19.7	12.3	11.6	10	9.6	8
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-178	E1668B	--	22600 J	--	--	--	--	--
PCB-179	E1668B	--	52500 J	--	--	--	--	--
PCB-180/193	E1668B	--	231000 J	--	--	--	--	--
PCB-181	E1668B	--	1190	--	--	--	--	--
PCB-182	E1668B	--	84.5 U	--	--	--	--	--
PCB-183	E1668B	--	--	--	--	--	--	--
PCB-183/185	E1668B	--	72800 J	--	--	--	--	--
PCB-184	E1668B	--	92.5 J	--	--	--	--	--
PCB-185	E1668B	--	--	--	--	--	--	--
PCB-186	E1668B	--	71.9 U	--	--	--	--	--
PCB-187	E1668B	--	137000 J	--	--	--	--	--
PCB-188	E1668B	--	188	--	--	--	--	--
PCB-189	E1668B	--	5310	--	--	--	--	--
PCB-190	E1668B	--	22300 J	--	--	--	--	--
PCB-191	E1668B	--	4740	--	--	--	--	--
PCB-192	E1668B	--	121 U	--	--	--	--	--
PCB-194	E1668B	--	59700 J	--	--	--	--	--
PCB-195	E1668B	--	22100 J	--	--	--	--	--
PCB-196	E1668B	--	28400 J	--	--	--	--	--
PCB-197	E1668B	--	--	--	--	--	--	--
PCB-197/200	E1668B	--	8820	--	--	--	--	--
PCB-198/199	E1668B	--	65300 J	--	--	--	--	--
PCB-200	E1668B	--	--	--	--	--	--	--
PCB-201	E1668B	--	7550 J	--	--	--	--	--
PCB-202	E1668B	--	12900 J	--	--	--	--	--
PCB-203	E1668B	--	37600 J	--	--	--	--	--
PCB-204	E1668B	--	64.9 U	--	--	--	--	--
PCB-205	E1668B	--	2750	--	--	--	--	--
PCB-206	E1668B	--	32200 J	--	--	--	--	--
PCB-207	E1668B	--	3390	--	--	--	--	--
PCB-208	E1668B	--	8140 J	--	--	--	--	--
PCB-209	E1668B	--	14300 J	--	--	--	--	--
Total PCB congener (U = 0)	--	--	16953059.2 J	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2048	Spring Surface Sediment 2049	Spring Surface Sediment 2050	Spring Surface Sediment 2051	Spring Surface Sediment 2052	Spring Surface Sediment 2053
Tributary		English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
River Mile		0.42	0.49	0.57	0.6	0.63	0.71
Location ID		EK008SG_20120418	EK010SG_20120418	EK011SG_20120509	EK013SG_20120425	EK012SG_20120425	EK015SG_20120425
Sample ID		EK008SG-000015-20120418	EK010SG-000015-20120418	EK011SG-000010-20120509	EK013SG-000015-20120425	EK012SG-000015-20120425	EK015SG-000015-20120425
Sample Date		4/18/2012	4/18/2012	5/9/2012	4/25/2012	4/25/2012	4/25/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 10 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		19.7	12.3	11.6	10	9.6	8
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total PCB congener (U = 1/2)	--	--	16954643.8 J	--	--	--	--
Total PCB congener TEQ 1998 (avian) (U = 0)	--	--	2742.1197 J	--	--	--	--
Total PCB congener TEQ 1998 (avian) (U = 1/2)	--	--	2748.2197 J	--	--	--	--
Total PCB congener TEQ 1998 (fish) (U = 0)	--	--	36.21735 J	--	--	--	--
Total PCB congener TEQ 1998 (fish) (U = 1/2)	--	--	36.24785 J	--	--	--	--
Total PCB congener TEQ 2005 (mammal) (U = 0)	--	--	637.6301 J	--	--	--	--
Total PCB congener TEQ 2005 (mammal) (U = 1/2)	--	--	637.6484 J	--	--	--	--
Total Petroleum Hydrocarbons (mg/kg)							
Diesel range organics (C10 - C28)	SW8015M	15200 J	20100	3740	12400	2760	10100
Phytane	SW8015M	19.5 J	15	3.52 J	15	2.6	11.8
Pristane	SW8015M	28.6 J	22.9	4.48	19.2	3.38	14.9
Total petroleum hydrocarbons (C9-C40)	SW8015M	25000 J	34200	7020	28000	5510	20600
Radionuclides (pci/g)							
Beryllium 7	HASL300	--	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2054	Spring Surface Sediment 2055	Spring Surface Sediment 2056	Spring Surface Sediment 2057	Spring Surface Sediment 2058	Spring Surface Sediment 2059
Tributary		English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
River Mile		0.71	0.76	0.79	0.85	0.85	0.85
Location ID		EK015SG_20120425	EK016SG_20120425	EK017SG_20120508	EK018SG_20120508	EK019SG_20120508	EK020SG_20120508
Sample ID		EK1015SG-000015-20120425	EK016SG-000015-20120425	EK017SG-000015-20120508	EK018SG-000015-20120508	EK019SG-000015-20120508	EK020SG-000010-20120508
Sample Date		4/25/2012	4/25/2012	5/8/2012	5/8/2012	5/8/2012	5/8/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
Water Column Depth		8	8.3	5.8	3	5	3.4
Sample Type		FD	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Conventional Parameters (lb/ft³)							
Density	D7263	18	16.2	10.9	25.9	54.3	51.2
Conventional Parameters (mg/kg)							
Ammonia as nitrogen	SM4500NH3H	220	37	48 U	24 U	12 U	14 U
Cyanide, total	SW9012A	3.7 U	4 U	5.8 U	2.9 U	1.7 U	1.7 U
Nitrate + nitrite as nitrogen	SM4500NO3F	9.7 U	11 U	16 U	7.6 U	4.6	4.6 U
Nitrogen ((No Suggestions))	SM4500NORGC	7500 J	5800 J	7100	4200	1300	2500
Phosphorus	SM4500PE	2000 J	1800 J	2700 J	1700 J	970 J	920 J
Sulfide	SW9030B	10000	12000	8600	15000	1200	640
Conventional Parameters (pct)							
Moisture (water) content	D2216	--	--	--	--	71.3	--
Moisture, percent	D2216	--	--	--	--	45	--
Soot carbon	SOOTC	0.709 J	0.232 J	0.384	0.721	0.608	1.08
Total organic carbon	SW9060	9.32 J	6.8 J	7.055	6.345	3.805	3.97
Total solids	SM2540G	25.4	23.7	16	32.9	55	54.2
Conventional Parameters (SU)							
pH	SW9045C	8	8	8.1	8.3	8	8.3
Conventional Parameters (unitless)							
Liquid limit	D4318	--	--	--	--	-- Non-Plastic	--
Plastic limit	D4318	--	--	--	--	-- Non-Plastic	--
Plasticity index	D4318	--	--	--	--	-- Non-Plastic	--
Specific gravity	D854	--	--	--	--	2.53	--
Grain Size (pct)							
Cobbles	D422	0	0	--	0	0	0
Gravel	D422	0.3	0.2	--	0	9.4	1.9
Sand	D422	11.3	16.6	--	21.2	70.8	73.9
Fines (silt + clay)	D422	88.4	83.2	--	78.8	19.8	24.2
Percent passing 0.375 inch (3/8 inch sieve)	D422	100	100	--	100	93	100
Percent passing 0.5 inch (1/2 inch sieve)	D422	--	--	--	--	94	--
Percent passing 0.75 inch (3/4 inch sieve)	D422	--	--	--	--	100	--
Percent passing 1 inch (1 inch sieve)	D422	--	--	--	--	--	--
Percent passing 75 micron sieve (#200)	D422	88	83	--	79	30	24
Percent passing 150 micron sieve (#100)	D422	94	91	--	88	27	31

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2054	Spring Surface Sediment 2055	Spring Surface Sediment 2056	Spring Surface Sediment 2057	Spring Surface Sediment 2058	Spring Surface Sediment 2059
Tributary		English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
River Mile		0.71	0.76	0.79	0.85	0.85	0.85
Location ID		EK015SG_20120425	EK016SG_20120425	EK017SG_20120508	EK018SG_20120508	EK019SG_20120508	EK020SG_20120508
Sample ID		EK1015SG-000015-20120425	EK016SG-000015-20120425	EK017SG-000015-20120508	EK018SG-000015-20120508	EK019SG-000015-20120508	EK020SG-000010-20120508
Sample Date		4/25/2012	4/25/2012	5/8/2012	5/8/2012	5/8/2012	5/8/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
Water Column Depth		8	8.3	5.8	3	5	3.4
Sample Type		FD	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Percent passing 250 micron sieve (#60)	D422	97	95	--	95	45	42
Percent passing 425 micron sieve (#40)	D422	98	96	--	97	65	58
Percent passing 850 micron sieve (#20)	D422	98	97	--	99	78	79
Percent passing 2000 micron sieve (#10)	D422	99	99	--	100	86	93
Percent passing 4750 micron sieve (#4)	D422	100	100	--	100	91	98
Metals (mg/kg)							
Aluminum	SW6020A	10900 J	12000 J	14600	10900	5580	5490
Antimony	SW6020A	3.26 J	3.3 J	6.74 J	3.82 J	1.97 J	3.69 J
Arsenic	SW6020A	19.5	18.1	32	15.6	7.56	5.46
Barium	SW6020A	236	679	297	340	160	273
Beryllium	SW6020A	0.522	0.707	0.627 J	0.455	0.342	0.304
Cadmium	SW6020A	23.8	15	71.7	35.9	4.52	3.62
Calcium	SW6020A	19700 J	21300 J	17000	22100	28000	23100
Chromium	SW6020A	165	152	395 J	338 J	55.6 J	60 J
Cobalt	SW6020A	10.3	11.2	15	11.7	6.09	6.58
Copper	SW6020A	686 J	605 J	1420	1140	320	474
Iron	SW6020A	27900 J	30200 J	43200	34100	19400	17400
Lead	SW6020A	760	971	1200	1180	804	315
Magnesium	SW6020A	13200 J	14000 J	13900	12800	11400	13400
Manganese	SW6020A	170	195	542	193	184	124
Mercury	E1631M	2.77	2.44	4.51 J	4.12 J	0.698 J	0.726 J
Nickel	SW6020A	104	92.1	246	227	42.8	32.6
Potassium	SW6020A	2380 J	2370 J	3120	2120	1110	980
Selenium	SW6020A	3.54	4.19	4.37	3.34	0.896	1.18
Silver	SW6020A	6.72 J	7.19 J	14.9	9.12	1.84	1.89
Sodium	SW6020A	20600 J	15400 J	25200 J	15900 J	5660 J	6710 J
Thallium	SW6020A	0.24	0.263	0.394 J	0.197	0.077 J	0.081 J
Tin	SW6020A	42.2	45.8	75.9	55.5	18.3	19.7
Vanadium	SW6020A	57.4	60.1	90.9	67.1	25	24.8
Zinc	SW6020A	1980	2200	3460	2140	647	684
Organometallic Compounds (µg/kg)							
Methyl mercury	E1630M	--	--	--	--	0.078 J	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2054	Spring Surface Sediment 2055	Spring Surface Sediment 2056	Spring Surface Sediment 2057	Spring Surface Sediment 2058	Spring Surface Sediment 2059
Tributary		English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
River Mile		0.71	0.76	0.79	0.85	0.85	0.85
Location ID		EK015SG_20120425	EK016SG_20120425	EK017SG_20120508	EK018SG_20120508	EK019SG_20120508	EK020SG_20120508
Sample ID		EK1015SG-000015-20120425	EK016SG-000015-20120425	EK017SG-000015-20120508	EK018SG-000015-20120508	EK019SG-000015-20120508	EK020SG-000010-20120508
Sample Date		4/25/2012	4/25/2012	5/8/2012	5/8/2012	5/8/2012	5/8/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
Water Column Depth		8	8.3	5.8	3	5	3.4
Sample Type		FD	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Volatile Organics (µg/kg)							
1,1,1-Trichloroethane	SW8260B	3.9 U	4.2 U	6.2 U	3 U	1.7 U	1.7 U
1,1,2,2-Tetrachloroethane	SW8260B	3.9 U	4.2 U	6.2 U	3 U	1.7 U	1.7 U
1,1,2-Trichloroethane	SW8260B	5.9 U	6.3 U	9.4 U	4.6 U	2.5 U	2.6 U
1,1,2-Trichlorotrifluoroethane	SW8260B	79 U	84 U	120 U	61 U	34 U	34 U
1,1-Dichloroethane	SW8260B	5.9 U	6.3 U	9.4 U	4.6 U	2.5 U	2.6 U
1,1-Dichloroethene	SW8260B	3.9 U	4.2 U	6.2 U	3 U	1.7 U	1.7 U
1,2,3-Trichlorobenzene	SW8260B	20 U	21 U	31 U	15 U	8.4 U	8.5 U
1,2,4-Trichlorobenzene	SW8260B	20 U	21 U	31 U	15 U	8.4 U	8.5 U
1,2-Dibromo-3-chloropropane	SW8260B	20 U	21 U	31 U	15 U	8.4 U	8.5 U
1,2-Dichlorobenzene	SW8260B	20 U	21 U	27 J	15 U	8.4 U	8.5 U
1,2-Dichloroethane	SW8260B	3.9 U	4.2 U	6.2 U	3 U	1.7 U	1.7 U
1,2-Dichloroethene, cis-	SW8260B	2.2 J	1.2 J	6.2 U	3 U	1.7 U	1.7 U
1,2-Dichloroethene, trans-	SW8260B	5.9 U	6.3 U	9.4 U	4.6 U	2.5 U	2.6 U
1,2-Dichloropropane	SW8260B	14 U	15 U	22 U	11 U	5.9 U	6 U
1,3-Dichlorobenzene	SW8260B	20 U	21 U	31 U	15 U	8.4 U	8.5 U
1,3-Dichloropropene, cis-	SW8260B	3.9 U	4.2 U	6.2 U	3 U	1.7 U	1.7 U
1,3-Dichloropropene, trans-	SW8260B	3.9 U	4.2 U	6.2 U	3 U	1.7 U	1.7 U
1,4-Dichlorobenzene	SW8260B	14 J	3.5 J	8.2 J	3.8 J	7.5 J	3.8 J
2-Butanone (MEK)	SW8260B	120	70	110	48	27	27
2-Hexanone (methyl butyl ketone)	SW8260B	39 U	42 U	62 U	30 U	17 U	17 U
Acetone	SW8260B	620	370	440	170	110	92
Benzene	SW8260B	1.5 J	4.2 U	6.2 U	3 U	1.7 U	1.7 U
Bromochloromethane	SW8260B	20 U	21 U	31 U	15 U	8.4 U	8.5 U
Bromodichloromethane	SW8260B	3.9 U	4.2 U	6.2 U	3 U	1.7 U	1.7 U
Bromoform (tribromomethane)	SW8260B	16 U	17 U	25 U	12 U	6.7 U	6.8 U
Bromomethane (methyl bromide)	SW8260B	7.9 U	8.4 U	12 U	6.1 U	3.4 U	3.4 U
Carbon disulfide	SW8260B	75	34 J	110	52	13 J	20
Carbon tetrachloride (tetrachloromethane)	SW8260B	3.9 U	4.2 U	6.2 U	3 U	1.7 U	1.7 U
Chlorobenzene	SW8260B	3.9 U	4.2 U	3.5 J	3 U	1.9	1.7 U
Chloroethane	SW8260B	7.9 U	8.4 U	12 U	6.1 U	3.4 U	3.4 U
Chloroform	SW8260B	5.9 U	6.3 U	9.4 U	4.6 U	2.5 U	2.6 U

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2054	Spring Surface Sediment 2055	Spring Surface Sediment 2056	Spring Surface Sediment 2057	Spring Surface Sediment 2058	Spring Surface Sediment 2059
Tributary		English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
River Mile		0.71	0.76	0.79	0.85	0.85	0.85
Location ID		EK015SG_20120425	EK016SG_20120425	EK017SG_20120508	EK018SG_20120508	EK019SG_20120508	EK020SG_20120508
Sample ID		EK1015SG-000015-20120425	EK016SG-000015-20120425	EK017SG-000015-20120508	EK018SG-000015-20120508	EK019SG-000015-20120508	EK020SG-000010-20120508
Sample Date		4/25/2012	4/25/2012	5/8/2012	5/8/2012	5/8/2012	5/8/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
Water Column Depth		8	8.3	5.8	3	5	3.4
Sample Type		FD	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Chloromethane	SW8260B	20 U	21 U	31 U	15 U	8.4 U	8.5 U
Cyclohexane	SW8260B	79 U	84 U	120 U	61 U	34 U	34 U
Dibromochloromethane	SW8260B	3.9 U	4.2 U	6.2 U	3 U	1.7 U	1.7 U
Dichlorodifluoromethane	SW8260B	39 U	42 U	62 U	30 U	17 U	17 U
Dichloromethane (methylene chloride)	SW8260B	39 U	42 U	62 U	30 U	17 U	17 U
Ethylbenzene	SW8260B	3.8 J	4.2 U	6.2 U	3 U	0.89 J	1.7 U
Ethylene dibromide (1,2-Dibromoethane)	SW8260B	16 U	17 U	25 U	12 U	6.7 U	6.8 U
Isopropylbenzene (cumene)	SW8260B	3.9 U	4.2 U	6.2 U	3 U	2.2	1.7 U
m,p-Xylene	SW8260B	7.9 U	8.4 U	12 U	6.1 U	3.4 U	3.4 U
Methyl acetate	SW8260B	79 U	84 U	120 U	61 U	34 U	34 U
Methyl isobutyl ketone (4-methyl-2-pentanone [MIBK])	SW8260B	39 U	42 U	62 U	30 U	17 U	17 U
Methyl tert-butyl ether (MTBE)	SW8260B	7.9 U	8.4 U	28	6.1 U	1.8 J	3.4 U
Methylcyclohexane	SW8260B	16 U	17 U	25 U	12 U	6.7 U	6.8 U
o-Xylene	SW8260B	7.9 U	8.4 U	12 U	6.1 U	3.4 U	3.4 U
Styrene	SW8260B	7.9 U	8.4 U	12 U	6.1 U	3.4 U	3.4 U
Tetrachloroethene (PCE)	SW8260B	3.9 U	4.2 U	6.2 U	3 U	1.7 U	1.7 U
Toluene	SW8260B	5.9 U	6.3 U	9.4 U	4.6 U	0.41 J	2.6 U
Total BTEX (U = 0)	--	5.3 J	8.4 U	12 U	6.1 U	1.3 J	3.4 U
Total BTEX (U = 1/2)	--	16.1 J	8.4 U	12 U	6.1 U	5.55 J	3.4 U
Total xylene (U = 0)	--	7.9 U	8.4 U	12 U	6.1 U	3.4 U	3.4 U
Total xylene (U = 1/2)	--	7.9 U	8.4 U	12 U	6.1 U	3.4 U	3.4 U
Trichloroethene (TCE)	SW8260B	3.9 U	4.2 U	6.2 U	3 U	1.7 U	1.7 U
Trichlorofluoromethane (fluorotrichloromethane)	SW8260B	20 U	21 U	31 U	15 U	8.4 U	8.5 U
Vinyl acetate	SW8260B	39 U	42 U	62 U	30 U	17 U	17 U
Vinyl chloride	SW8260B	7.9 U	8.4 U	12 U	6.1 U	3.4 U	3.4 U
Semivolatile Organics (µg/kg)							
1,2,4,5-Tetrachlorobenzene	SW8270C	1300 U	1300 U	4300 U	1800 U	1100 U	1200 U
1,4-Dioxane	SW8270C	2600 U	2600 U	8700 U	3700 U	2300 U	2400 U
2,3,4,6-Tetrachlorophenol	SW8270C	1300 U	1300 U	4300 U	1800 U	1100 U	1200 U
2,4,5-Trichlorophenol	SW8270C	1300 U	1300 U	4300 U	1800 U	1100 U	1200 U
2,4,6-Trichlorophenol	SW8270C	1300 U	1300 U	4300 U	1800 U	1100 U	1200 U

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2054	Spring Surface Sediment 2055	Spring Surface Sediment 2056	Spring Surface Sediment 2057	Spring Surface Sediment 2058	Spring Surface Sediment 2059
Tributary		English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
River Mile		0.71	0.76	0.79	0.85	0.85	0.85
Location ID		EK015SG_20120425	EK016SG_20120425	EK017SG_20120508	EK018SG_20120508	EK019SG_20120508	EK020SG_20120508
Sample ID		EK1015SG-000015-20120425	EK016SG-000015-20120425	EK017SG-000015-20120508	EK018SG-000015-20120508	EK019SG-000015-20120508	EK020SG-000010-20120508
Sample Date		4/25/2012	4/25/2012	5/8/2012	5/8/2012	5/8/2012	5/8/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
Water Column Depth		8	8.3	5.8	3	5	3.4
Sample Type		FD	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
2,4-Dichlorophenol	SW8270C	260 U	260 U	870 U	380 U	230 U	240 U
2,4-Dimethylphenol	SW8270C	1300 U	1300 U	-- R	-- R	-- R	-- R
2,4-Dinitrophenol	SW8270C	6600 U	6600 U	22000 U	9500 U	5800 U	6000 U
2,4-Dinitrotoluene	SW8270C	1300 U	1300 U	4300 U	1800 U	1100 U	1200 U
2,6-Dinitrotoluene	SW8270C	1300 U	1300 U	4300 U	1800 U	1100 U	1200 U
2-Chloronaphthalene	SW8270C	260 U	260 U	870 U	380 U	230 U	240 U
2-Chlorophenol	SW8270C	1300 U	1300 U	4300 U	1800 U	1100 U	1200 U
2-Methylnaphthalene	SW8270C	260	410	340 J	300 J	330	54 J
2-Methylphenol (o-Cresol)	SW8270C	1300 U	1300 U	4300 UJ	1800 UJ	1100 UJ	1200 UJ
2-Nitroaniline	SW8270C	6600 U	6600 U	22000 U	9500 U	5800 U	6000 U
2-Nitrophenol	SW8270C	1300 U	1300 U	4300 U	1800 U	1100 U	1200 U
3,3'-Dichlorobenzidine	SW8270C	1300 U	1300 U	4300 U	1800 U	1100 U	1200 U
3-methylphenol and 4-methylphenol (m&p-cresol)	SW8270C	820 J	290 J	4300 U	1800 U	1100 U	1200 U
3-Nitroaniline	SW8270C	6600 U	6600 U	22000 U	9500 U	5800 U	6000 U
4-Bromophenyl-phenyl ether	SW8270C	1300 U	1300 U	4300 U	1800 U	1100 U	1200 U
4-Chloro-3-methylphenol	SW8270C	1300 U	1300 U	4300 U	1800 U	1100 U	1200 U
4-Chloroaniline	SW8270C	880 J	1000 J	990 J	740 J	150 J	1200 U
4-Chlorophenyl phenyl ether	SW8270C	1300 U	1300 U	4300 U	1800 U	1100 U	1200 U
4-Nitroaniline	SW8270C	6600 U	6600 U	22000 U	9500 U	5800 U	6000 U
4-Nitrophenol	SW8270C	6600 U	6600 U	22000 UJ	9500 UJ	5800 UJ	6000 UJ
Acenaphthene	SW8270C	510	790	310 J	690	980 J	190 J
Acenaphthylene	SW8270C	420	750	360 J	380	210 J	61 J
Acetophenone	SW8270C	250 J	280 J	4300 U	1800 U	1100 U	1200 U
Anthracene	SW8270C	910	1500	600 J	1200	2000	420
Atrazine	SW8270C	1300 U	1300 U	4300 U	1800 U	1100 U	1200 U
Benzaldehyde	SW8270C	940 J	1100 J	2700 J	1300 J	720 J	730 J
Benzo(a)anthracene	SW8270C	3300 J	4600 J	2700 J	4600 J	4400 J	1700 J
Benzo(a)pyrene	SW8270C	3600 J	4500 J	3100 J	5100 J	4800 J	1300 J
Benzo(b)fluoranthene	SW8270C	4700 J	6000 J	6000 J	6800 J	5300 J	2000 J
Benzo(g,h,i)perylene	SW8270C	2800 J	3600 J	1400 J	2200 J	1900 J	510 J
Benzo(k)fluoranthene	SW8270C	1400 J	1900 J	1700 J	2200 J	2100 J	780 J
Biphenyl (1,1'-Biphenyl)	SW8270C	1300 U	120 J	4300 UJ	1800 UJ	1100 UJ	1200 UJ

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2054	Spring Surface Sediment 2055	Spring Surface Sediment 2056	Spring Surface Sediment 2057	Spring Surface Sediment 2058	Spring Surface Sediment 2059
Task		English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
Tributary		0.71	0.76	0.79	0.85	0.85	0.85
River Mile							
Location ID		EK015SG_20120425	EK016SG_20120425	EK017SG_20120508	EK018SG_20120508	EK019SG_20120508	EK020SG_20120508
Sample ID		EK1015SG-000015-20120425	EK016SG-000015-20120425	EK017SG-000015-20120508	EK018SG-000015-20120508	EK019SG-000015-20120508	EK020SG-000010-20120508
Sample Date		4/25/2012	4/25/2012	5/8/2012	5/8/2012	5/8/2012	5/8/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
Water Column Depth		8	8.3	5.8	3	5	3.4
Sample Type		FD	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
bis(2-Chloroethoxy)methane	SW8270C	1300 U	1300 U	4300 U	1800 U	1100 U	1200 U
bis(2-Chloroethyl)ether	SW8270C	260 U	260 U	870 U	380 U	230 U	240 U
bis(2-Chloroisopropyl)ether	SW8270C	260 U	260 U	870 UJ	380 UJ	230 UJ	240 UJ
Bis(2-ethylhexyl)phthalate	SW8270C	37000 J	45000 J	53000 J	55000 J	16000 J	7400 J
Butylbenzyl phthalate	SW8270C	1200 J	1100 J	670 J	1200 J	730 J	450 J
Caprolactam	SW8270C	6600 UJ	6600 UJ	22000 U	9500 U	5800 U	6000 U
Carbazole	SW8270C	430	1100	150 J	280 J	560	140 J
Chrysene	SW8270C	4700 J	6900 J	2800 J	5000 J	4500 J	1500 J
Dibenzo(a,h)anthracene	SW8270C	1200 J	1500 J	2300 J	1300 J	930 J	670 J
Dibenzofuran	SW8270C	240 J	450 J	4300 U	1800 U	340 J	1200 U
Diethyl phthalate	SW8270C	1300 U	1300 U	4300 U	1800 U	1100 U	1200 U
Dimethyl phthalate	SW8270C	1300 U	1300 U	4300 U	1800 U	1100 U	1200 U
Di-n-butyl phthalate	SW8270C	750 J	700 J	4300 U	250 J	2900	1200 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)	SW8270C	6600 UJ	6600 UJ	22000 UJ	9500 UJ	5800 UJ	6000 UJ
Di-n-octyl phthalate	SW8270C	1300 J	1100 J	690 J	1800 U	510 J	190 J
Fluoranthene	SW8270C	11000	20000	7600	14000	12000	3600
Fluorene	SW8270C	340	540	210 J	250 J	440 J	150 J
Hexachlorobenzene	SW8270C	260 U	260 U	870 U	380 U	230 U	240 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270C	260 U	260 U	870 U	380 U	230 U	240 U
Hexachlorocyclopentadiene	SW8270C	1300 U	1300 U	4300 U	1800 U	1100 U	1200 U
Hexachloroethane	SW8270C	1300 U	1300 U	4300 U	1800 U	1100 U	1200 U
Indeno(1,2,3-c,d)pyrene	SW8270C	2600 J	3300 J	2700 J	2700 J	2100 J	950 J
Isophorone	SW8270C	1300 U	1300 U	4300 U	1800 U	1100 U	1200 U
Naphthalene	SW8270C	370	550	520 J	420	530	83 J
Nitrobenzene	SW8270C	2600 U	2600 U	8700 U	3700 U	2300 U	2400 U
N-Nitrosodi-N-propylamine	SW8270C	260 U	260 U	870 UJ	380 UJ	230 UJ	240 UJ
N-Nitrosodiphenylamine	SW8270C	1300 U	1300 U	4300 U	1800 U	1100 U	1200 U
Pentachlorophenol	SW8270C	1300 U	1300 U	4300 UJ	1800 UJ	1100 UJ	1200 UJ
Phenanthrene	SW8270C	3400	7500	1700	2400	4400	1500
Phenol	SW8270C	69 J	65 J	870 U	56 J	230 U	240 U
Pyrene	SW8270C	5300 J	8500 J	5300 J	8100 J	5700 J	1800 J

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2054	Spring Surface Sediment 2055	Spring Surface Sediment 2056	Spring Surface Sediment 2057	Spring Surface Sediment 2058	Spring Surface Sediment 2059
Tributary		English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
River Mile		0.71	0.76	0.79	0.85	0.85	0.85
Location ID		EK015SG_20120425	EK016SG_20120425	EK017SG_20120508	EK018SG_20120508	EK019SG_20120508	EK020SG_20120508
Sample ID		EK1015SG-000015-20120425	EK016SG-000015-20120425	EK017SG-000015-20120508	EK018SG-000015-20120508	EK019SG-000015-20120508	EK020SG-000010-20120508
Sample Date		4/25/2012	4/25/2012	5/8/2012	5/8/2012	5/8/2012	5/8/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
Water Column Depth		8	8.3	5.8	3	5	3.4
Sample Type		FD	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total cresol (o,m,p) (U = 0)	--	820 J	290 J	4300 UJ	1800 UJ	1100 UJ	1200 UJ
Total cresol (o,m,p) (U = 1/2)	--	1470 J	940 J	4300 UJ	1800 UJ	1100 UJ	1200 UJ
Polycyclic Aromatic Hydrocarbons (µg/kg)							
1,6,7-Trimethylnaphthalene	SW8270CMSIM	365	535	180 J	2260	746	342
1-Methyldibenzothiophene	SW8270CMSIM	132	156	402	525	137	73.8
1-Methylnaphthalene	SW8270CMSIM	238	214	373	319	254	198
1-Methylphenanthrene	SW8270CMSIM	763	663	457	1190	1180	487
2,6-Dimethylnaphthalene	SW8270CMSIM	655	577	790	835	468	338
2-Methylantracene	SW8270CMSIM	321	374	484	918	468	189
2-Methyldibenzothiophene and 3-methyldibenzothiophene	SW8270CMSIM	179	487	588	1130	368	194
2-Methylnaphthalene	SW8270CMSIM	440	407	1040	631	323	291
2-Methylphenanthrene	SW8270CMSIM	723	761	757	936	1200	576
4-Methyldibenzothiophene	SW8270CMSIM	442	504	431	1890	498	223
4-Methylphenanthrene and 9-methylphenanthrene	SW8270CMSIM	889	986	1100	3320	1420	710
Acenaphthene	SW8270CMSIM	682	906	510	1140	1720	637
Acenaphthylene	SW8270CMSIM	523	662	859	715	654	167
Anthracene	SW8270CMSIM	1470	1970	1630	4060	3960	1400
Benzo(a)anthracene	SW8270CMSIM	5240	6390	5420	8610	8510	3750
Benzo(a)pyrene	SW8270CMSIM	5670	6820	6820	8300	7460	3720
Benzo(b)fluoranthene	SW8270CMSIM	6260	7780	7900	8260	7350	4240
Benzo(e)pyrene	SW8270CMSIM	4620	5440	5920	6430	5390	2920
Benzo(g,h,i)perylene	SW8270CMSIM	4440	5200	5100	5410	4550	2470
Benzo(j,k)fluoranthene	SW8270CMSIM	5280	6090	6080	7520	6470	2890
Benzonaphthothiophene	SW8270CMSIM	1920	2180	2480	3120	2430	1210
Benzothiophene	SW8270CMSIM	118 U	31.8 J	71.7 J	185 U	56.3 U	61.6 U
Carbazole	SW8270CMSIM	551	632	543	749	855	463
Chrysene	SW8270CMSIM	6400	7440	6590	9300	8780	4380
Decalin, cis and trans-	SW8270CMSIM	420	380	382	121	405	264
Dibenzo(a,h)anthracene and dibenzo(a,c)anthracene	SW8270CMSIM	1130	1390	1300	1430	1320	657
Dibenzothiophene	SW8270CMSIM	453	484	616	709	710	336

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2054	Spring Surface Sediment 2055	Spring Surface Sediment 2056	Spring Surface Sediment 2057	Spring Surface Sediment 2058	Spring Surface Sediment 2059
Tributary		English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
River Mile		0.71	0.76	0.79	0.85	0.85	0.85
Location ID		EK015SG_20120425	EK016SG_20120425	EK017SG_20120508	EK018SG_20120508	EK019SG_20120508	EK020SG_20120508
Sample ID		EK1015SG-000015-20120425	EK016SG-000015-20120425	EK017SG-000015-20120508	EK018SG-000015-20120508	EK019SG-000015-20120508	EK020SG-000010-20120508
Sample Date		4/25/2012	4/25/2012	5/8/2012	5/8/2012	5/8/2012	5/8/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
Water Column Depth		8	8.3	5.8	3	5	3.4
Sample Type		FD	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Fluoranthene	SW8270CMSIM	13900	17100	17200	26800	24000	10700
Fluorene	SW8270CMSIM	471	482	378	562	820	512
Indeno(1,2,3-c,d)pyrene	SW8270CMSIM	4730	5590	5080	5640	5060	2570
Naphthalene	SW8270CMSIM	599	657	1710	905	442	294
Perylene	SW8270CMSIM	1510	1800	1750	2080	1920	958
Phenanthrene	SW8270CMSIM	4450	4960	3660	5480	9310	4580
Pyrene	SW8270CMSIM	12800	15600	19700	24400	19900	9160
Retene	SW8270CMSIM	1040	77 U	196 U	185 U	56.3 U	61.6 U
Total benzofluoranthenes (U = 0)	--	11540	13870	13980	15780	13820	7130
Total benzofluoranthenes (U = 1/2)	--	11540	13870	13980	15780	13820	7130
Total cPAH TEQ (USEPA 1993) (U = 0)	--	8482.2	10254.34	10027.39	12065.5	10945.48	5466.28
Total cPAH TEQ (USEPA 1993) (U = 1/2)	--	8482.2	10254.34	10027.39	12065.5	10945.48	5466.28
Total HPAH (9 of 16) (U = 0)	--	65850	79400	81190	105670	93400	44537
Total HPAH (9 of 16) (U = 1/2)	--	65850	79400	81190	105670	93400	44537
Total LPAH (7 of 16) (U = 0)	--	8635	10044	9787	13493	17229	7881
Total LPAH (7 of 16) (U = 1/2)	--	8635	10044	9787	13493	17229	7881
Total PAH (16) (U = 0)	--	74485	89444	90977	119163	110629	52418
Total PAH (16) (U = 1/2)	--	74485	89444	90977	119163	110629	52418
Alkylated Polycyclic Aromatic Hydrocarbons (µg/kg)							
C1-Benzo(a)anthracenes/chrysenes	SW8270CMSIM	3360	3870	5350	5340	3490	1960
C1-Benzo(b)thiophenes	SW8270CMSIM	135	145	227	223	113	84.1
C1-Decalins	SW8270CMSIM	1410	1550	2320	3860	943	712
C1-Dibenzothiophenes	SW8270CMSIM	854	1240	1650	3790	1140	561
C1-Fluoranthenes/Pyrenes	SW8270CMSIM	6300	7580	12700	15300	8980	4550
C1-Fluorenes	SW8270CMSIM	663	749	913	2400	1060	424
C1-Naphthalenes	SW8270CMSIM	421	395	950	641	380	330
C1-Phenanthrenes/Anthracenes	SW8270CMSIM	3480	3690	3870	10500	6180	2840
C2-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	2950	3290	4750	4070	2090	1310
C2-Benzo(b)thiophenes	SW8270CMSIM	132	147	332	448	149	91
C2-Decalins	SW8270CMSIM	2580	3270	6450	7080	1210	1380
C2-Dibenzothiophenes	SW8270CMSIM	2130	2570	5950	10800	1940	1190
C2-Fluorenes	SW8270CMSIM	2690	3800	5970	14600	3160	2010
C2-Naphthalenes	SW8270CMSIM	1100	1050	1420	2860	1500	886

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2054	Spring Surface Sediment 2055	Spring Surface Sediment 2056	Spring Surface Sediment 2057	Spring Surface Sediment 2058	Spring Surface Sediment 2059
Tributary		English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
River Mile		0.71	0.76	0.79	0.85	0.85	0.85
Location ID		EK015SG_20120425	EK016SG_20120425	EK017SG_20120508	EK018SG_20120508	EK019SG_20120508	EK020SG_20120508
Sample ID		EK1015SG-000015-20120425	EK016SG-000015-20120425	EK017SG-000015-20120508	EK018SG-000015-20120508	EK019SG-000015-20120508	EK020SG-000010-20120508
Sample Date		4/25/2012	4/25/2012	5/8/2012	5/8/2012	5/8/2012	5/8/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
Water Column Depth		8	8.3	5.8	3	5	3.4
Sample Type		FD	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
C2-Phenanthrenes/Anthracenes	SW8270CMSIM	5730	7020	9680	25600	6840	4010
C3-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	3100	3140	4560	4000	1830	1280
C3-Benzo(b)thiophenes	SW8270CMSIM	332	374	881	1210	326	196
C3-Decalins	SW8270CMSIM	2160	2670	5810	5270	910	1070
C3-Dibenzothiophenes	SW8270CMSIM	2510	3010	8650	11000	2020	1510
C3-Fluorenes	SW8270CMSIM	4160	5310	11400	17400	3760	2930
C3-Naphthalenes	SW8270CMSIM	2720	3580	3490	17200	5290	2490
C3-Phenanthrenes/Anthracenes	SW8270CMSIM	4370	5500	13400	17800	3810	2780
C4-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	1850	1770	2820	2460	1060	801
C4-Benzo(b)thiophenes	SW8270CMSIM	408	447	1210	1740	333	247
C4-Decalins	SW8270CMSIM	3620	4440	10100	9600	1560	1910
C4-Dibenzothiophenes	SW8270CMSIM	1890	1990	5380	5630	1160	2350
C4-Naphthalenes	SW8270CMSIM	3640	5290	11500	24000	4790	2910
C4-Phenanthrenes/Anthracenes	SW8270CMSIM	2500	2820	6300	6740	1560	1070
n-Alkanes and Isoprenoids (µg/kg)							
2,6,10-Trimethyldodecane	SW8015M	3350 J	2320 J	2400 J	9340 J	1550 J	801 J
2,6,10-Trimethyltridecane	SW8015M	8140 J	7140 J	5250 J	17300 J	3820 J	2420 J
n-Decane (C10)	SW8015M	7870 U	5130 U	13100 U	12400 U	3760 U	4110 U
n-Docosane (C22)	SW8015M	1570 J	5130 U	5180 J	5150 J	2780 J	1210 J
n-Dodecane (C12)	SW8015M	7870 U	5130 U	13100 U	12400 U	3760 U	4110 U
n-Dotriacontane (C32)	SW8015M	4510 J	5550	43400	44500	10900	13000
n-Eicosane (C20)	SW8015M	7870 U	5130 U	6410 J	10800 J	4790	3300 J
n-Heneicosane (C21)	SW8015M	4090 J	5130 U	4820 J	4550 J	3650 J	1550 J
n-Hentriacontane (C31)	SW8015M	28200	34000	8480 J	6610 J	3740 J	2690 J
n-Heptacosane (C27)	SW8015M	8900	8450	4100 J	3580 J	2960 J	2680 J
n-Heptadecane (C17)	SW8015M	3820 J	2850 J	13100 U	12400 U	4820	1930 J
n-Heptatriacontane (C37)	SW8015M	3770 J	2710 J	4170 J	12400 U	1750 J	1340 J
n-Hexacosane (C26)	SW8015M	4230 J	5840	13800	13300	3120 J	2340 J
n-Hexadecane (C16)	SW8015M	2410 J	1730 J	13100 U	2140 J	4840	1540 J
n-Hexatriacontane (C36)	SW8015M	8810	5130 U	7380 J	6350 J	2930 J	2700 J
n-Nonacosane (C29)	SW8015M	15800	11600	15400	17600	11300	8530
n-Nonadecane (C19)	SW8015M	2090 J	1560 J	13100 U	12400 U	3880	1380 J
n-Nonane (C9)	SW8015M	7870 U	5130 U	13100 U	12400 U	3760 U	4110 U

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2054	Spring Surface Sediment 2055	Spring Surface Sediment 2056	Spring Surface Sediment 2057	Spring Surface Sediment 2058	Spring Surface Sediment 2059
Tributary		English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
River Mile		0.71	0.76	0.79	0.85	0.85	0.85
Location ID		EK015SG_20120425	EK016SG_20120425	EK017SG_20120508	EK018SG_20120508	EK019SG_20120508	EK020SG_20120508
Sample ID		EK1015SG-000015-20120425	EK016SG-000015-20120425	EK017SG-000015-20120508	EK018SG-000015-20120508	EK019SG-000015-20120508	EK020SG-000010-20120508
Sample Date		4/25/2012	4/25/2012	5/8/2012	5/8/2012	5/8/2012	5/8/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
Water Column Depth		8	8.3	5.8	3	5	3.4
Sample Type		FD	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
n-Nonatriacontane (C39)	SW8015M	2690 J	2370 J	13100 U	12400 U	1320 J	1380 J
n-Octacosane (C28)	SW8015M	3290 J	5130 U	5800 J	3240 J	2810 J	1350 J
n-Octadecane (C18)	SW8015M	5920 J	5800 J	5670 J	7640 J	15400 J	7070 J
n-Octatriacontane (C38)	SW8015M	4260 J	4410 J	4640 J	4310 J	1850 J	1320 J
Norpristane	SW8015M	9020	7280	7420 J	17200	6420	2230 J
n-Pentacosane (C25)	SW8015M	16400 J	17800 J	26200 J	34500 J	16800 J	10700 J
n-Pentadecane (C15)	SW8015M	2420 J	1820 J	4510 J	6200 J	5220	1890 J
n-Pentatriacontane (C35)	SW8015M	7600 J	7370	12800 J	12200 J	3820	3130 J
n-Tetracontane (C40)	SW8015M	3670 J	4110 J	4430 J	12400 U	1360 J	1480 J
n-Tetracosane (C24)	SW8015M	7870 U	5130 U	13100 U	3060 J	1810 J	1230 J
n-Tetradecane (C14)	SW8015M	2800 J	1700 J	3470 J	4680 J	1790 J	962 J
n-Tetratriacontane (C34)	SW8015M	11200	12900	16300	15500	4770	5370
n-Triacontane (C30)	SW8015M	8350	4870 J	9280 J	9950 J	4510	3220 J
n-Tricosane (C23)	SW8015M	2660 J	5130 U	13100 U	12400 U	1340 J	760 J
n-Tridecane (C13)	SW8015M	7870 U	5130 U	13100 U	12400 U	1220 J	4110 U
n-Tritriacontane (C33)	SW8015M	25600	20300	26000	21900	5940	9370
n-Undecane (C11)	SW8015M	7870 U	1710 J	13100 U	12400 U	3760 U	4110 U
Pesticides (µg/kg)							
2,4'-DDD (o,p'-DDD)	SW8081A	0.32 UJ	0.32 UJ	26 J	31 J	0.14 UJ	10 J
2,4'-DDE (o,p'-DDE)	SW8081A	16 J	9.8 J	51	21 J	2.9 J	4
2,4'-DDT (o,p'-DDT)	SW8081A	0.79 U	0.32 U	0.54 UJ	0.23 UJ	0.14 UJ	0.74 U
4,4'-DDD (p,p'-DDD)	SW8081A	9.7 J	7.1 J	70	120 J	51	32
4,4'-DDE (p,p'-DDE)	SW8081A	33 J	41	74 J	44 J	20 J	10 J
4,4'-DDT (p,p'-DDT)	SW8081A	48	8 J	25 J	15 J	10 J	8 J
Aldrin	SW8081A	0.32 U	0.32 U	0.32 J	0.15 J	0.88 J	0.32 J
alpha-Hexachlorocyclohexane (BHC)	SW8081A	0.2 J	0.42 J	0.5 J	0.12 J	0.14 U	0.74 U
Chlordane, alpha- (cis-Chlordane)	SW8081A	0.32 UJ	0.32 UJ	0.54 U	0.23 U	0.14 U	0.74 U
Chlordane, beta- (trans-Chlordane)	SW8081A	0.32 U	0.32 U	0.54 U	0.23 U	0.14 U	0.74 U
delta-Hexachlorocyclohexane (BHC)	SW8081A	0.11 J	0.061 J	0.54 U	0.25 J	0.05 J	0.74 U
Dieldrin	SW8081A	12	9.8	21 J	26 J	11 J	0.74 U
Endosulfan sulfate	SW8081A	1.4 J	0.57 UJ	7.3 J	2 J	0.57 J	0.74 UJ
Endosulfan-alpha (I)	SW8081A	0.32 U	0.32 U	0.54 U	5.4	0.31 J	0.74 U
Endosulfan-beta (II)	SW8081A	7.2 J	8.7 J	-- R	0.23 UJ	0.14 UJ	0.74 U

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2054	Spring Surface Sediment 2055	Spring Surface Sediment 2056	Spring Surface Sediment 2057	Spring Surface Sediment 2058	Spring Surface Sediment 2059
Task		English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
Tributary		0.71	0.76	0.79	0.85	0.85	0.85
River Mile							
Location ID		EK015SG_20120425	EK016SG_20120425	EK017SG_20120508	EK018SG_20120508	EK019SG_20120508	EK020SG_20120508
Sample ID		EK1015SG-000015-20120425	EK016SG-000015-20120425	EK017SG-000015-20120508	EK018SG-000015-20120508	EK019SG-000015-20120508	EK020SG-000010-20120508
Sample Date		4/25/2012	4/25/2012	5/8/2012	5/8/2012	5/8/2012	5/8/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
Water Column Depth		8	8.3	5.8	3	5	3.4
Sample Type		FD	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Endrin	SW8081A	3.8 J	2.2	12 J	0.23 UJ	0.14 UJ	0.74 U
Endrin aldehyde	SW8081A	1 J	0.32 UJ	-- R	0.23 UJ	1.2 J	2.5 J
Endrin ketone	SW8081A	0.32 UJ	0.32 UJ	2.7 J	4.5 J	3.5 J	3.9 J
Heptachlor	SW8081A	0.32 U	0.32 U	0.54 U	28 J	0.14 U	0.15 U
Heptachlor epoxide	SW8081A	0.78 J	0.32 J	8.5 J	3.2 J	0.13 J	0.14 J
Hexachlorobenzene	SW8081A	5.2	5.1	5.1 J	5.9	1.3	1.3
Hexachlorocyclohexane, beta- (BHC)	SW8081A	0.18 J	0.32 J	2.2 J	0.23 U	0.14 U	0.74 U
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	SW8081A	0.32 U	0.32 U	-- R	0.21 J	0.14 U	0.74 U
Methoxychlor	SW8081A	2.1 U	0.78 UJ	1.1 UJ	0.46 UJ	13 J	1.5 UJ
Mirex	SW8081A	1.4 J	0.54 J	-- R	1.1 J	0.14 U	0.37 J
Nonachlor, cis-	SW8081A	7 J	0.32 U	9.9 J	9 J	3.3 J	1.8 J
Nonachlor, trans-	SW8081A	5.6 J	5.1 J	17 J	9.1 J	0.65 J	1.8 J
Oxychlordane	SW8081A	0.6 UJ	0.32 UJ	0.54 UJ	0.23 UJ	0.63 J	0.96 J
Sum DDD (U = 0)	--	9.7 J	7.1 J	96 J	151 J	51 J	42 J
Sum DDD (U = 1/2)	--	9.86 J	7.26 J	96 J	151 J	51.07 J	42 J
Sum DDE (U = 0)	--	49 J	50.8 J	125 J	65 J	22.9 J	14 J
Sum DDE (U = 1/2)	--	49 J	50.8 J	125 J	65 J	22.9 J	14 J
Sum DDT (U = 0)	--	48	8 J	25 J	15 J	10 J	8 J
Sum DDT (U = 1/2)	--	48.4	8.16 J	25.27 J	15.12 J	10.07 J	8.37 J
Total chlordane (U = 0)	--	12.6 J	5.1 J	26.9 J	18.1 J	4.58 J	4.56 J
Total chlordane (U = 1/2)	--	13.22 J	5.74 J	27.71 J	18.45 J	4.72 J	5.3 J
Total DDx (U = 0)	--	106.7 J	65.9 J	246 J	231 J	83.9 J	64 J
Total DDx (U = 1/2)	--	107.25 J	66.22 J	246.27 J	231.12 J	84.04 J	64.37 J
Toxaphene	SW8081A	13 U	13 U	22 U	9.3 U	5.7 U	30 U
Pesticides - High Resolution (µg/kg)							
2,4'-DDD (o,p'-DDD)	E1699	--	--	--	--	38	--
2,4'-DDE (o,p'-DDE)	E1699	--	--	--	--	3.2	--
2,4'-DDT (o,p'-DDT)	E1699	--	--	--	--	1.5 J	--
4,4'-DDD (p,p'-DDD)	E1699	--	--	--	--	130	--
4,4'-DDE (p,p'-DDE)	E1699	--	--	--	--	65	--
4,4'-DDT (p,p'-DDT)	E1699	--	--	--	--	7.9	--
Aldrin	E1699	--	--	--	--	0.21 U	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2054	Spring Surface Sediment 2055	Spring Surface Sediment 2056	Spring Surface Sediment 2057	Spring Surface Sediment 2058	Spring Surface Sediment 2059
Tributary		English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
River Mile		0.71	0.76	0.79	0.85	0.85	0.85
Location ID		EK015SG_20120425	EK016SG_20120425	EK017SG_20120508	EK018SG_20120508	EK019SG_20120508	EK020SG_20120508
Sample ID		EK1015SG-000015-20120425	EK016SG-000015-20120425	EK017SG-000015-20120508	EK018SG-000015-20120508	EK019SG-000015-20120508	EK020SG-000010-20120508
Sample Date		4/25/2012	4/25/2012	5/8/2012	5/8/2012	5/8/2012	5/8/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
Water Column Depth		8	8.3	5.8	3	5	3.4
Sample Type		FD	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
alpha-Hexachlorocyclohexane (BHC)	E1699	--	--	--	--	0.14 U	--
Chlordane, alpha- (cis-Chlordane)	E1699	--	--	--	--	49	--
Chlordane, beta- (trans-Chlordane)	E1699	--	--	--	--	55	--
delta-Hexachlorocyclohexane (BHC)	E1699	--	--	--	--	0.19 U	--
Dieldrin	E1699	--	--	--	--	18	--
Endosulfan sulfate	E1699	--	--	--	--	0.18 U	--
Endosulfan-alpha (I)	E1699	--	--	--	--	0.8 U	--
Endosulfan-beta (II)	E1699	--	--	--	--	1.5 U	--
Endrin	E1699	--	--	--	--	0.4 U	--
Endrin aldehyde	E1699	--	--	--	--	0.66 U	--
Endrin ketone	E1699	--	--	--	--	0.48 U	--
Heptachlor	E1699	--	--	--	--	0.091 U	--
Heptachlor epoxide	E1699	--	--	--	--	0.15 U	--
Hexachlorobenzene	E1699	--	--	--	--	3.2	--
Hexachlorocyclohexane, beta- (BHC)	E1699	--	--	--	--	0.13 U	--
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	E1699	--	--	--	--	0.14 U	--
Methoxychlor	E1699	--	--	--	--	0.97 U	--
Mirex	E1699	--	--	--	--	1 J	--
Nonachlor, cis-	E1699	--	--	--	--	9.6	--
Nonachlor, trans-	E1699	--	--	--	--	26	--
Oxychlordane	E1699	--	--	--	--	0.19 U	--
Sum DDD high resolution (U = 0)	--	--	--	--	--	168	--
Sum DDD high resolution (U = 1/2)	--	--	--	--	--	168	--
Sum DDE high resolution (U = 0)	--	--	--	--	--	68.2	--
Sum DDE high resolution (U = 1/2)	--	--	--	--	--	68.2	--
Sum DDT high resolution (U = 0)	--	--	--	--	--	9.4 J	--
Sum DDT high resolution (U = 1/2)	--	--	--	--	--	9.4 J	--
Total chlordane high resolution (U = 0)	--	--	--	--	--	139.6	--
Total chlordane high resolution (U = 1/2)	--	--	--	--	--	139.69	--
Total DDx high resolution (U = 0)	--	--	--	--	--	245.6 J	--
Total DDx high resolution (U = 1/2)	--	--	--	--	--	245.6 J	--
Toxaphene	E1699	--	--	--	--	8.2 U	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2054	Spring Surface Sediment 2055	Spring Surface Sediment 2056	Spring Surface Sediment 2057	Spring Surface Sediment 2058	Spring Surface Sediment 2059
Tributary		English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
River Mile		0.71	0.76	0.79	0.85	0.85	0.85
Location ID		EK015SG_20120425	EK016SG_20120425	EK017SG_20120508	EK018SG_20120508	EK019SG_20120508	EK020SG_20120508
Sample ID		EK1015SG-000015-20120425	EK016SG-000015-20120425	EK017SG-000015-20120508	EK018SG-000015-20120508	EK019SG-000015-20120508	EK020SG-000010-20120508
Sample Date		4/25/2012	4/25/2012	5/8/2012	5/8/2012	5/8/2012	5/8/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
Water Column Depth		8	8.3	5.8	3	5	3.4
Sample Type		FD	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Herbicides (µg/kg)							
2,2-Dichloropropionic acid (dalapon)	SW8151A	350 U	350 U	580 U	250 U	160 U	160 U
2,4,5-T (2,4,5-trichlorophenoxyacetic acid)	SW8151A	77 U	16 J	130 U	56 U	35 U	36 U
2,4,5-TP (Silvex)	SW8151A	77 U	77 U	130 U	56 U	35 U	36 U
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	310 U	310 U	520 U	220 U	140 U	16 J
2,4-DB (2,4-D derivative)	SW8151A	310 U	310 U	520 U	220 U	140 U	140 U
Dicamba	SW8151A	150 U	150 U	260 U	110 U	69 U	71 U
Dichlorprop	SW8151A	61 J	100 J	520 U	32 J	140 U	140 U
Dinoseb	SW8151A	46 U	46 U	78 UJ	34 UJ	21 UJ	21 UJ
Mecoprop (MCP)	SW8151A	31000 U	28000 J	52000 U	22000 U	14000 U	14000 U
Mephanac (MCPA)	SW8151A	31000 U	31000 U	52000 U	22000 U	14000 U	14000 U
Dioxin Furans (ng/kg)							
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	--	--	--	--	1.53 J	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	--	--	--	--	4.04	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	--	--	--	7.05 J	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	--	--	--	23.4	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	--	--	--	16.9	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B	--	--	--	--	658	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B	--	--	--	--	6430 J	--
Total tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	--	--	--	--	38.7 J	--
Total pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	--	--	--	--	51.3 J	--
Total hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	--	--	--	193 J	--

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2054	Spring Surface Sediment 2055	Spring Surface Sediment 2056	Spring Surface Sediment 2057	Spring Surface Sediment 2058	Spring Surface Sediment 2059
Task		English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
Tributary		0.71	0.76	0.79	0.85	0.85	0.85
River Mile							
Location ID		EK015SG_20120425	EK016SG_20120425	EK017SG_20120508	EK018SG_20120508	EK019SG_20120508	EK020SG_20120508
Sample ID		EK1015SG-000015-20120425	EK016SG-000015-20120425	EK017SG-000015-20120508	EK018SG-000015-20120508	EK019SG-000015-20120508	EK020SG-000010-20120508
Sample Date		4/25/2012	4/25/2012	5/8/2012	5/8/2012	5/8/2012	5/8/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
Water Column Depth		8	8.3	5.8	3	5	3.4
Sample Type		FD	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total heptachlorodibenzo-p-dioxin (HpCDD)	E1613B	--	--	--	--	1300	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B	--	--	--	--	6.4 J	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B	--	--	--	--	6.19	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B	--	--	--	--	12.7	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B	--	--	--	--	19.7	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B	--	--	--	--	13.2 J	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B	--	--	--	--	0.687 U	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B	--	--	--	--	14.5	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B	--	--	--	--	224	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B	--	--	--	--	10.5	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B	--	--	--	--	567	--
Total tetrachlorodibenzofuran (TCDF)	E1613B	--	--	--	--	159 J	--
Total pentachlorodibenzofuran (PeCDF)	E1613B	--	--	--	--	148 J	--
Total hexachlorodibenzofuran (HxCDF)	E1613B	--	--	--	--	277 J	--
Total heptachlorodibenzofuran (HpCDF)	E1613B	--	--	--	--	601 J	--
Total dioxin/furan TEQ 1998 (avian) (U = 0)	--	--	--	--	--	36.008 J	--
Total dioxin/furan TEQ 1998 (avian) (U = 1/2)	--	--	--	--	--	36.043 J	--
Total dioxin/furan TEQ 1998 (fish) (U = 0)	--	--	--	--	--	24.92 J	--
Total dioxin/furan TEQ 1998 (fish) (U = 1/2)	--	--	--	--	--	24.955 J	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2054	Spring Surface Sediment 2055	Spring Surface Sediment 2056	Spring Surface Sediment 2057	Spring Surface Sediment 2058	Spring Surface Sediment 2059
Tributary		English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
River Mile		0.71	0.76	0.79	0.85	0.85	0.85
Location ID		EK015SG_20120425	EK016SG_20120425	EK017SG_20120508	EK018SG_20120508	EK019SG_20120508	EK020SG_20120508
Sample ID		EK1015SG-000015-20120425	EK016SG-000015-20120425	EK017SG-000015-20120508	EK018SG-000015-20120508	EK019SG-000015-20120508	EK020SG-000010-20120508
Sample Date		4/25/2012	4/25/2012	5/8/2012	5/8/2012	5/8/2012	5/8/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
Water Column Depth		8	8.3	5.8	3	5	3.4
Sample Type		FD	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total dioxin/furan TEQ 2005 (mammal) (U = 0)	--	--	--	--	--	30.705 J	--
Total dioxin/furan TEQ 2005 (mammal) (U = 1/2)	--	--	--	--	--	30.739 J	--
PCB Aroclors (µg/kg)							
Aroclor 1016	SW8082A	32 U	32 U	27 U	12 U	7.2 U	7.4 U
Aroclor 1221	SW8082A	32 U	32 U	27 U	12 U	7.2 U	7.4 U
Aroclor 1232	SW8082A	32 U	32 U	27 U	12 U	7.2 U	7.4 U
Aroclor 1242	SW8082A	680	570	3300	1300	290	190
Aroclor 1248	SW8082A	32 U	32 U	27 U	12 U	7.2 U	7.4 U
Aroclor 1254	SW8082A	1500	1200	3900	1600	350	510
Aroclor 1260	SW8082A	32 U	32 U	27 U	12 U	7.2 U	7.4 U
Aroclor 1262	SW8082A	32 U	32 U	27 U	12 U	7.2 U	7.4 U
Aroclor 1268	SW8082A	32 U	32 U	27 U	12 U	7.2 U	7.4 U
Total PCB Aroclors (U = 0)	--	2180	1770	7200	2900	640	700
Total PCB Aroclors (U = 1/2)	--	2292	1882	7294.5	2942	665.2	725.9
PCB Congeners (ng/kg)							
PCB-001	E1668B	--	--	--	--	6060	--
PCB-002	E1668B	--	--	--	--	305	--
PCB-003	E1668B	--	--	--	--	2760	--
PCB-004	E1668B	--	--	--	--	28100	--
PCB-005	E1668B	--	--	--	--	1840	--
PCB-006	E1668B	--	--	--	--	16300	--
PCB-007	E1668B	--	--	--	--	3110	--
PCB-008	E1668B	--	--	--	--	65500 J	--
PCB-009	E1668B	--	--	--	--	5150	--
PCB-010	E1668B	--	--	--	--	1850	--
PCB-011	E1668B	--	--	--	--	3140	--
PCB-012/013	E1668B	--	--	--	--	4860	--
PCB-014	E1668B	--	--	--	--	7.01 U	--
PCB-015	E1668B	--	--	--	--	23800	--
PCB-016	E1668B	--	--	--	--	54000 J	--
PCB-017	E1668B	--	--	--	--	42300 J	--

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2054	Spring Surface Sediment 2055	Spring Surface Sediment 2056	Spring Surface Sediment 2057	Spring Surface Sediment 2058	Spring Surface Sediment 2059
Task		English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
Tributary		0.71	0.76	0.79	0.85	0.85	0.85
River Mile							
Location ID		EK015SG_20120425	EK016SG_20120425	EK017SG_20120508	EK018SG_20120508	EK019SG_20120508	EK020SG_20120508
Sample ID		EK1015SG-000015-20120425	EK016SG-000015-20120425	EK017SG-000015-20120508	EK018SG-000015-20120508	EK019SG-000015-20120508	EK020SG-000010-20120508
Sample Date		4/25/2012	4/25/2012	5/8/2012	5/8/2012	5/8/2012	5/8/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
Water Column Depth		8	8.3	5.8	3	5	3.4
Sample Type		FD	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
PCB-018/030	E1668B	--	--	--	--	93200 J	--
PCB-019	E1668B	--	--	--	--	13500	--
PCB-020/028	E1668B	--	--	--	--	93200 J	--
PCB-021/033	E1668B	--	--	--	--	71700 J	--
PCB-022	E1668B	--	--	--	--	56900 J	--
PCB-023	E1668B	--	--	--	--	128	--
PCB-024	E1668B	--	--	--	--	11.8 U	--
PCB-025	E1668B	--	--	--	--	9580	--
PCB-026/029	E1668B	--	--	--	--	15800	--
PCB-027	E1668B	--	--	--	--	7550	--
PCB-031	E1668B	--	--	--	--	82500 J	--
PCB-032	E1668B	--	--	--	--	30100	--
PCB-034	E1668B	--	--	--	--	205	--
PCB-035	E1668B	--	--	--	--	1870	--
PCB-036	E1668B	--	--	--	--	15.6 U	--
PCB-037	E1668B	--	--	--	--	16400	--
PCB-038	E1668B	--	--	--	--	113 J	--
PCB-039	E1668B	--	--	--	--	15.4 U	--
PCB-040/071	E1668B	--	--	--	--	32700 J	--
PCB-041	E1668B	--	--	--	--	7220 J	--
PCB-042	E1668B	--	--	--	--	19400 J	--
PCB-043	E1668B	--	--	--	--	2720 J	--
PCB-044/047/065	E1668B	--	--	--	--	55500 J	--
PCB-045	E1668B	--	--	--	--	--	--
PCB-045/051	E1668B	--	--	--	--	10600 J	--
PCB-046	E1668B	--	--	--	--	3670 J	--
PCB-048	E1668B	--	--	--	--	13200 J	--
PCB-049/069	E1668B	--	--	--	--	21900 J	--
PCB-050/053	E1668B	--	--	--	--	7070 J	--
PCB-051	E1668B	--	--	--	--	--	--
PCB-052	E1668B	--	--	--	--	50000 J	--
PCB-054	E1668B	--	--	--	--	375 J	--
PCB-055	E1668B	--	--	--	--	16.9 UJ	--

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2054	Spring Surface Sediment 2055	Spring Surface Sediment 2056	Spring Surface Sediment 2057	Spring Surface Sediment 2058	Spring Surface Sediment 2059
Task		English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
Tributary		0.71	0.76	0.79	0.85	0.85	0.85
River Mile							
Location ID		EK015SG_20120425	EK016SG_20120425	EK017SG_20120508	EK018SG_20120508	EK019SG_20120508	EK020SG_20120508
Sample ID		EK1015SG-000015-20120425	EK016SG-000015-20120425	EK017SG-000015-20120508	EK018SG-000015-20120508	EK019SG-000015-20120508	EK020SG-000010-20120508
Sample Date		4/25/2012	4/25/2012	5/8/2012	5/8/2012	5/8/2012	5/8/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
Water Column Depth		8	8.3	5.8	3	5	3.4
Sample Type		FD	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
PCB-056	E1668B	--	--	--	--	28900 J	--
PCB-057	E1668B	--	--	--	--	18 UJ	--
PCB-058	E1668B	--	--	--	--	75.3 J	--
PCB-059/062/075	E1668B	--	--	--	--	5570 J	--
PCB-060	E1668B	--	--	--	--	15300 J	--
PCB-061/070/074/076	E1668B	--	--	--	--	71600 J	--
PCB-063	E1668B	--	--	--	--	1430 J	--
PCB-064	E1668B	--	--	--	--	28000 J	--
PCB-066	E1668B	--	--	--	--	37800 J	--
PCB-067	E1668B	--	--	--	--	1670 J	--
PCB-068	E1668B	--	--	--	--	78 J	--
PCB-072	E1668B	--	--	--	--	146 J	--
PCB-073	E1668B	--	--	--	--	6.45 UJ	--
PCB-077	E1668B	--	--	--	--	4320 J	--
PCB-078	E1668B	--	--	--	--	295 J	--
PCB-079	E1668B	--	--	--	--	492 J	--
PCB-080	E1668B	--	--	--	--	169 J	--
PCB-081	E1668B	--	--	--	--	213	--
PCB-082	E1668B	--	--	--	--	14500 J	--
PCB-083	E1668B	--	--	--	--	4040 J	--
PCB-084	E1668B	--	--	--	--	30600 J	--
PCB-085/116	E1668B	--	--	--	--	--	--
PCB-085/116/117	E1668B	--	--	--	--	11500 J	--
PCB-086/087/097/108/119/125	E1668B	--	--	--	--	53100 J	--
PCB-088	E1668B	--	--	--	--	--	--
PCB-088/091	E1668B	--	--	--	--	11400 J	--
PCB-089	E1668B	--	--	--	--	1410 J	--
PCB-090/101/113	E1668B	--	--	--	--	35600 J	--
PCB-091	E1668B	--	--	--	--	--	--
PCB-092	E1668B	--	--	--	--	6760 J	--
PCB-093/100	E1668B	--	--	--	--	431 J	--
PCB-094	E1668B	--	--	--	--	466 J	--
PCB-095	E1668B	--	--	--	--	66600 J	--

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2054	Spring Surface Sediment 2055	Spring Surface Sediment 2056	Spring Surface Sediment 2057	Spring Surface Sediment 2058	Spring Surface Sediment 2059
Task		English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
Tributary		0.71	0.76	0.79	0.85	0.85	0.85
River Mile							
Location ID		EK015SG_20120425	EK016SG_20120425	EK017SG_20120508	EK018SG_20120508	EK019SG_20120508	EK020SG_20120508
Sample ID		EK1015SG-000015-20120425	EK016SG-000015-20120425	EK017SG-000015-20120508	EK018SG-000015-20120508	EK019SG-000015-20120508	EK020SG-000010-20120508
Sample Date		4/25/2012	4/25/2012	5/8/2012	5/8/2012	5/8/2012	5/8/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
Water Column Depth		8	8.3	5.8	3	5	3.4
Sample Type		FD	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
PCB-096	E1668B	--	--	--	--	1170 J	--
PCB-098	E1668B	--	--	--	--	--	--
PCB-098/102	E1668B	--	--	--	--	2460 J	--
PCB-099	E1668B	--	--	--	--	14400 J	--
PCB-102	E1668B	--	--	--	--	--	--
PCB-103	E1668B	--	--	--	--	241 J	--
PCB-104	E1668B	--	--	--	--	23.2 UJ	--
PCB-105	E1668B	--	--	--	--	24700	--
PCB-106	E1668B	--	--	--	--	34.3 UJ	--
PCB-107/124	E1668B	--	--	--	--	1730 J	--
PCB-109	E1668B	--	--	--	--	3710 J	--
PCB-110	E1668B	--	--	--	--	--	--
PCB-110/115	E1668B	--	--	--	--	106000 J	--
PCB-111	E1668B	--	--	--	--	32.2 UJ	--
PCB-112	E1668B	--	--	--	--	33.6 UJ	--
PCB-114	E1668B	--	--	--	--	1430	--
PCB-115	E1668B	--	--	--	--	--	--
PCB-117	E1668B	--	--	--	--	--	--
PCB-118	E1668B	--	--	--	--	57200 J	--
PCB-120	E1668B	--	--	--	--	33.4 UJ	--
PCB-121	E1668B	--	--	--	--	33 UJ	--
PCB-122	E1668B	--	--	--	--	1050 J	--
PCB-123	E1668B	--	--	--	--	777 J	--
PCB-126	E1668B	--	--	--	--	624	--
PCB-127	E1668B	--	--	--	--	116 J	--
PCB-128/166	E1668B	--	--	--	--	19300 J	--
PCB-129/138/163	E1668B	--	--	--	--	85200 J	--
PCB-130	E1668B	--	--	--	--	4870 J	--
PCB-131	E1668B	--	--	--	--	1260 J	--
PCB-132	E1668B	--	--	--	--	40700 J	--
PCB-133	E1668B	--	--	--	--	367 J	--
PCB-134	E1668B	--	--	--	--	5110 J	--
PCB-135/151	E1668B	--	--	--	--	16100 J	--

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2054	Spring Surface Sediment 2055	Spring Surface Sediment 2056	Spring Surface Sediment 2057	Spring Surface Sediment 2058	Spring Surface Sediment 2059
Task		English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
Tributary		0.71	0.76	0.79	0.85	0.85	0.85
River Mile							
Location ID		EK015SG_20120425	EK016SG_20120425	EK017SG_20120508	EK018SG_20120508	EK019SG_20120508	EK020SG_20120508
Sample ID		EK1015SG-000015-20120425	EK016SG-000015-20120425	EK017SG-000015-20120508	EK018SG-000015-20120508	EK019SG-000015-20120508	EK020SG-000010-20120508
Sample Date		4/25/2012	4/25/2012	5/8/2012	5/8/2012	5/8/2012	5/8/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
Water Column Depth		8	8.3	5.8	3	5	3.4
Sample Type		FD	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
PCB-136	E1668B	--	--	--	--	12100 J	--
PCB-137	E1668B	--	--	--	--	1550 J	--
PCB-139/140	E1668B	--	--	--	--	493 J	--
PCB-141	E1668B	--	--	--	--	9510 J	--
PCB-142	E1668B	--	--	--	--	27.5 UJ	--
PCB-143	E1668B	--	--	--	--	26.1 UJ	--
PCB-144	E1668B	--	--	--	--	1750 J	--
PCB-145	E1668B	--	--	--	--	9.57 UJ	--
PCB-146	E1668B	--	--	--	--	3820 J	--
PCB-147/149	E1668B	--	--	--	--	47200 J	--
PCB-148	E1668B	--	--	--	--	12.7 UJ	--
PCB-150	E1668B	--	--	--	--	58.1 J	--
PCB-152	E1668B	--	--	--	--	54.5 J	--
PCB-153/168	E1668B	--	--	--	--	21600 J	--
PCB-154	E1668B	--	--	--	--	169 J	--
PCB-155	E1668B	--	--	--	--	117 UJ	--
PCB-156/157	E1668B	--	--	--	--	7550	--
PCB-158	E1668B	--	--	--	--	6770 J	--
PCB-159	E1668B	--	--	--	--	22.8 UJ	--
PCB-160	E1668B	--	--	--	--	20.6 UJ	--
PCB-161	E1668B	--	--	--	--	18.7 UJ	--
PCB-162	E1668B	--	--	--	--	20.6 UJ	--
PCB-164	E1668B	--	--	--	--	6280 J	--
PCB-165	E1668B	--	--	--	--	21.2 UJ	--
PCB-167	E1668B	--	--	--	--	2780 J	--
PCB-169	E1668B	--	--	--	--	21.9 J	--
PCB-170	E1668B	--	--	--	--	55500 J	--
PCB-171/173	E1668B	--	--	--	--	14000 J	--
PCB-172	E1668B	--	--	--	--	3430 J	--
PCB-174	E1668B	--	--	--	--	55200 J	--
PCB-175	E1668B	--	--	--	--	738 UJ	--
PCB-176	E1668B	--	--	--	--	2290 J	--
PCB-177	E1668B	--	--	--	--	34600 J	--

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2054	Spring Surface Sediment 2055	Spring Surface Sediment 2056	Spring Surface Sediment 2057	Spring Surface Sediment 2058	Spring Surface Sediment 2059
Task		English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
Tributary		0.71	0.76	0.79	0.85	0.85	0.85
River Mile							
Location ID		EK015SG_20120425	EK016SG_20120425	EK017SG_20120508	EK018SG_20120508	EK019SG_20120508	EK020SG_20120508
Sample ID		EK1015SG-000015-20120425	EK016SG-000015-20120425	EK017SG-000015-20120508	EK018SG-000015-20120508	EK019SG-000015-20120508	EK020SG-000010-20120508
Sample Date		4/25/2012	4/25/2012	5/8/2012	5/8/2012	5/8/2012	5/8/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
Water Column Depth		8	8.3	5.8	3	5	3.4
Sample Type		FD	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
PCB-178	E1668B	--	--	--	--	2740 J	--
PCB-179	E1668B	--	--	--	--	10300 J	--
PCB-180/193	E1668B	--	--	--	--	44000 J	--
PCB-181	E1668B	--	--	--	--	101 J	--
PCB-182	E1668B	--	--	--	--	684 UJ	--
PCB-183	E1668B	--	--	--	--	--	--
PCB-183/185	E1668B	--	--	--	--	7760 J	--
PCB-184	E1668B	--	--	--	--	547 UJ	--
PCB-185	E1668B	--	--	--	--	--	--
PCB-186	E1668B	--	--	--	--	527 UJ	--
PCB-187	E1668B	--	--	--	--	71800 J	--
PCB-188	E1668B	--	--	--	--	2340 UJ	--
PCB-189	E1668B	--	--	--	--	606 J	--
PCB-190	E1668B	--	--	--	--	7110 J	--
PCB-191	E1668B	--	--	--	--	985 J	--
PCB-192	E1668B	--	--	--	--	48.6 UJ	--
PCB-194	E1668B	--	--	--	--	15100 J	--
PCB-195	E1668B	--	--	--	--	10100 J	--
PCB-196	E1668B	--	--	--	--	4570 J	--
PCB-197	E1668B	--	--	--	--	--	--
PCB-197/200	E1668B	--	--	--	--	1720 J	--
PCB-198/199	E1668B	--	--	--	--	12900 J	--
PCB-200	E1668B	--	--	--	--	--	--
PCB-201	E1668B	--	--	--	--	807 J	--
PCB-202	E1668B	--	--	--	--	2070 J	--
PCB-203	E1668B	--	--	--	--	4020 J	--
PCB-204	E1668B	--	--	--	--	51.6 UJ	--
PCB-205	E1668B	--	--	--	--	452 J	--
PCB-206	E1668B	--	--	--	--	6080 J	--
PCB-207	E1668B	--	--	--	--	485 J	--
PCB-208	E1668B	--	--	--	--	2190 J	--
PCB-209	E1668B	--	--	--	--	5340 J	--
Total PCB congener (U = 0)	--	--	--	--	--	2295118.8 J	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2054	Spring Surface Sediment 2055	Spring Surface Sediment 2056	Spring Surface Sediment 2057	Spring Surface Sediment 2058	Spring Surface Sediment 2059
Tributary		English Kills	English Kills	English Kills	English Kills	English Kills	English Kills
River Mile		0.71	0.76	0.79	0.85	0.85	0.85
Location ID		EK015SG_20120425	EK016SG_20120425	EK017SG_20120508	EK018SG_20120508	EK019SG_20120508	EK020SG_20120508
Sample ID		EK1015SG-000015-20120425	EK016SG-000015-20120425	EK017SG-000015-20120508	EK018SG-000015-20120508	EK019SG-000015-20120508	EK020SG-000010-20120508
Sample Date		4/25/2012	4/25/2012	5/8/2012	5/8/2012	5/8/2012	5/8/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
Water Column Depth		8	8.3	5.8	3	5	3.4
Sample Type		FD	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total PCB congener (U = 1/2)	--	--	--	--	--	2297875.71 J	--
Total PCB congener TEQ 1998 (avian) (U = 0)	--	--	--	--	--	303.7 J	--
Total PCB congener TEQ 1998 (avian) (U = 1/2)	--	--	--	--	--	303.7 J	--
Total PCB congener TEQ 1998 (fish) (U = 0)	--	--	--	--	--	4.1 J	--
Total PCB congener TEQ 1998 (fish) (U = 1/2)	--	--	--	--	--	4.1 J	--
Total PCB congener TEQ 2005 (mammal) (U = 0)	--	--	--	--	--	66.4 J	--
Total PCB congener TEQ 2005 (mammal) (U = 1/2)	--	--	--	--	--	66.4 J	--
Total Petroleum Hydrocarbons (mg/kg)							
Diesel range organics (C10 - C28)	SW8015M	10300	12000	19400	19200	4530	5180
Phytane	SW8015M	12.6	10.6	9.25 J	19.6 J	8.99 J	4.58 J
Pristane	SW8015M	15	12.2	15.7	34.6	10.1	5.37
Total petroleum hydrocarbons (C9-C40)	SW8015M	21300	25700	35400	33200	9380	10900
Radionuclides (pci/g)							
Beryllium 7	HASL300	--	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2060	Spring Surface Sediment 2061	Spring Surface Sediment 2062	Spring Surface Sediment 2063	Spring Surface Sediment 2064	Spring Surface Sediment 2065
Tributary		English Kills	English Kills	Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek
River Mile		0.92	0.92	0.03	0.03	0.07	0.1
Location ID		EK021SG_20120508	EK021SG_20120508	MC001SG_20120424	MC001SG_20120424	MC002SG_20120507	MC003SG_20120507
Sample ID		EK021SG-000003-20120508	EK021SG-000013-20120508	MC001SG-000003-20120424	MC001SG-000010-20120424	MC002SG-000015-20120507	MC003SG-000015-20120507
Sample Date		5/8/2012	5/8/2012	4/24/2012	4/24/2012	5/7/2012	5/7/2012
Sample Depth		0 - 3 cm	0 - 13 cm	0 - 3 cm	0 - 10 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		6.6	6.6	4.1	4.1	4.3	3.5
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Conventional Parameters (lb/ft³)							
Density	D7263	--	22.5	--	22.9	39.7	32
Conventional Parameters (mg/kg)							
Ammonia as nitrogen	SM4500NH3H	--	25 U	--	250	72 J	76 J
Cyanide, total	SW9012A	--	3.3 U	--	3.3 U	2.5 U	2.3 U
Nitrate + nitrite as nitrogen	SM4500NO3F	--	8.9 U	--	8.5 U	4.1 J	4.2 J
Nitrogen ((No Suggestions))	SM4500NORGC	--	5900	--	5900 J	4500	4400
Phosphorus	SM4500PE	--	3400 J	--	3100 J	1100 J	2200 J
Sulfide	SW9030B	--	1600	--	12000 J	4600 J	7400 J
Conventional Parameters (pct)							
Moisture (water) content	D2216	--	227.4	--	214.1	--	--
Moisture, percent	D2216	--	73	--	86.8	--	--
Soot carbon	SOOTC	--	0.453	--	0.949 J	0.795	0.589
Total organic carbon	SW9060	--	7.18	--	7.6 J	5.55	9.16
Total solids	SM2540G	--	27.6	--	28.4	40.7	40.7
Conventional Parameters (SU)							
pH	SW9045C	--	8.2	--	7.8	7.9	8
Conventional Parameters (unitless)							
Liquid limit	D4318	--	103	--	91	--	--
Plastic limit	D4318	--	47	--	47	--	--
Plasticity index	D4318	--	56	--	44	--	--
Specific gravity	D854	--	2.25	--	2.28	--	--
Grain Size (pct)							
Cobbles	D422	--	0	--	0	0	0
Gravel	D422	--	0.3	--	1.2	2.7	0.2
Sand	D422	--	51.5	--	46.5	58.8	27.9
Fines (silt + clay)	D422	--	48.2	--	52.3	38.5	71.9
Percent passing 0.375 inch (3/8 inch sieve)	D422	--	100	--	99	99	100
Percent passing 0.5 inch (1/2 inch sieve)	D422	--	--	--	99	100	--
Percent passing 0.75 inch (3/4 inch sieve)	D422	--	--	--	100	100	--
Percent passing 1 inch (1 inch sieve)	D422	--	--	--	--	--	--
Percent passing 75 micron sieve (#200)	D422	--	48	--	52	39	72
Percent passing 150 micron sieve (#100)	D422	--	63	--	67	53	86

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2060	Spring Surface Sediment 2061	Spring Surface Sediment 2062	Spring Surface Sediment 2063	Spring Surface Sediment 2064	Spring Surface Sediment 2065
Tributary		English Kills	English Kills	Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek
River Mile		0.92	0.92	0.03	0.03	0.07	0.1
Location ID		EK021SG_20120508	EK021SG_20120508	MC001SG_20120424	MC001SG_20120424	MC002SG_20120507	MC003SG_20120507
Sample ID		EK021SG-000003-20120508	EK021SG-000013-20120508	MC001SG-000003-20120424	MC001SG-000010-20120424	MC002SG-000015-20120507	MC003SG-000015-20120507
Sample Date		5/8/2012	5/8/2012	4/24/2012	4/24/2012	5/7/2012	5/7/2012
Sample Depth		0 - 3 cm	0 - 13 cm	0 - 3 cm	0 - 10 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		6.6	6.6	4.1	4.1	4.3	3.5
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Percent passing 250 micron sieve (#60)	D422	--	85	--	80	74	91
Percent passing 425 micron sieve (#40)	D422	--	94	--	87	86	94
Percent passing 850 micron sieve (#20)	D422	--	97	--	93	92	97
Percent passing 2000 micron sieve (#10)	D422	--	99	--	97	95	99
Percent passing 4750 micron sieve (#4)	D422	--	100	--	99	97	100
Metals (mg/kg)							
Aluminum	SW6020A	--	7980	--	9350 J	6390 J	9840 J
Antimony	SW6020A	--	4.5 J	--	2.82 J	2.74 J	2.55 J
Arsenic	SW6020A	--	7.66	--	14.4	14	20.1
Barium	SW6020A	--	221	--	158	141	275
Beryllium	SW6020A	--	0.316	--	0.468	0.568	0.492
Cadmium	SW6020A	--	22	--	5.07	4.42 J	7.85 J
Calcium	SW6020A	--	22000	--	23600 J	17300	16400
Chromium	SW6020A	--	152 J	--	81.9	62.4 J	95.2 J
Cobalt	SW6020A	--	8.77	--	11.1	9.28	12.8
Copper	SW6020A	--	577	--	514 J	658	878
Iron	SW6020A	--	27800	--	24000 J	20100	28200
Lead	SW6020A	--	653	--	352	313	584
Magnesium	SW6020A	--	9500	--	12600 J	8490	10900
Manganese	SW6020A	--	271	--	141	121	153
Mercury	E1631M	--	3.92 J	--	1.05	1.22 J	1.83 J
Nickel	SW6020A	--	102	--	52.6	52.7	70.8
Potassium	SW6020A	--	985	--	2010 J	1310	1840
Selenium	SW6020A	--	1.9	--	3.17	1.78	2.78
Silver	SW6020A	--	9.25	--	2.68 J	4.1	7.43
Sodium	SW6020A	--	2730 J	--	18600 J	9900 J	9540 J
Thallium	SW6020A	--	0.141 J	--	0.248	0.132 J	0.198 J
Tin	SW6020A	--	31.6	--	36.8	77.6	66.2
Vanadium	SW6020A	--	43.3	--	44.3	30.1 J	45.8 J
Zinc	SW6020A	--	1240	--	1270	933 J	1400 J
Organometallic Compounds (µg/kg)							
Methyl mercury	E1630M	--	0.377	--	0.062 J	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2060	Spring Surface Sediment 2061	Spring Surface Sediment 2062	Spring Surface Sediment 2063	Spring Surface Sediment 2064	Spring Surface Sediment 2065
Tributary		English Kills	English Kills	Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek
River Mile		0.92	0.92	0.03	0.03	0.07	0.1
Location ID		EK021SG_20120508	EK021SG_20120508	MC001SG_20120424	MC001SG_20120424	MC002SG_20120507	MC003SG_20120507
Sample ID		EK021SG-000003-20120508	EK021SG-000013-20120508	MC001SG-000003-20120424	MC001SG-000010-20120424	MC002SG-000015-20120507	MC003SG-000015-20120507
Sample Date		5/8/2012	5/8/2012	4/24/2012	4/24/2012	5/7/2012	5/7/2012
Sample Depth		0 - 3 cm	0 - 13 cm	0 - 3 cm	0 - 10 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		6.6	6.6	4.1	4.1	4.3	3.5
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Volatile Organics (µg/kg)							
1,1,1-Trichloroethane	SW8260B	--	3.4 U	--	3.5 U	2.4 U	2.4 U
1,1,2,2-Tetrachloroethane	SW8260B	--	3.4 U	--	3.5 U	2.4 U	2.4 U
1,1,2-Trichloroethane	SW8260B	--	5.1 U	--	5.3 U	3.7 U	3.7 U
1,1,2-Trichlorotrifluoroethane	SW8260B	--	68 U	--	70 U	49 U	49 U
1,1-Dichloroethane	SW8260B	--	5.1 U	--	5.3 U	3.7 U	3.7 U
1,1-Dichloroethene	SW8260B	--	3.4 U	--	3.5 U	2.4 U	2.4 U
1,2,3-Trichlorobenzene	SW8260B	--	17 U	--	18 U	12 U	12 U
1,2,4-Trichlorobenzene	SW8260B	--	17 U	--	18 U	12 U	12 U
1,2-Dibromo-3-chloropropane	SW8260B	--	17 U	--	18 U	12 UJ	12 UJ
1,2-Dichlorobenzene	SW8260B	--	2.2 J	--	18 U	12 U	12 U
1,2-Dichloroethane	SW8260B	--	3.4 U	--	3.5 U	2.4 U	2.4 U
1,2-Dichloroethene, cis-	SW8260B	--	5.6	--	1.5 J	2.4 U	2.4 U
1,2-Dichloroethene, trans-	SW8260B	--	5.1 U	--	5.3 U	3.7 U	3.7 U
1,2-Dichloropropane	SW8260B	--	12 U	--	12 U	8.6 U	8.6 U
1,3-Dichlorobenzene	SW8260B	--	17 U	--	18 U	12 U	12 U
1,3-Dichloropropene, cis-	SW8260B	--	3.4 U	--	3.5 U	2.4 U	2.4 U
1,3-Dichloropropene, trans-	SW8260B	--	3.4 U	--	3.5 U	2.4 U	2.4 U
1,4-Dichlorobenzene	SW8260B	--	10 J	--	14 J	6.7 J	4.1 J
2-Butanone (MEK)	SW8260B	--	97	--	68	49	100
2-Hexanone (methyl butyl ketone)	SW8260B	--	34 U	--	35 U	24 U	24 U
Acetone	SW8260B	--	330	--	320	180	420
Benzene	SW8260B	--	3.4 U	--	0.87 J	2.4 U	3.2
Bromochloromethane	SW8260B	--	17 U	--	18 U	12 U	12 U
Bromodichloromethane	SW8260B	--	3.4 U	--	3.5 U	2.4 U	2.4 U
Bromoform (tribromomethane)	SW8260B	--	14 U	--	14 U	9.8 U	9.8 U
Bromomethane (methyl bromide)	SW8260B	--	6.8 U	--	7 U	4.9 UJ	4.9 UJ
Carbon disulfide	SW8260B	--	47	--	29 J	50	60
Carbon tetrachloride (tetrachloromethane)	SW8260B	--	3.4 U	--	3.5 U	2.4 U	2.4 U
Chlorobenzene	SW8260B	--	1.3 J	--	5.3	2.4	3.2
Chloroethane	SW8260B	--	6.8 U	--	7 U	4.9 U	4.9 U
Chloroform	SW8260B	--	5.1 U	--	5.3 U	3.7 U	3.7 U

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2060	Spring Surface Sediment 2061	Spring Surface Sediment 2062	Spring Surface Sediment 2063	Spring Surface Sediment 2064	Spring Surface Sediment 2065
Tributary		English Kills	English Kills	Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek
River Mile		0.92	0.92	0.03	0.03	0.07	0.1
Location ID		EK021SG_20120508	EK021SG_20120508	MC001SG_20120424	MC001SG_20120424	MC002SG_20120507	MC003SG_20120507
Sample ID		EK021SG-000003-20120508	EK021SG-000013-20120508	MC001SG-000003-20120424	MC001SG-000010-20120424	MC002SG-000015-20120507	MC003SG-000015-20120507
Sample Date		5/8/2012	5/8/2012	4/24/2012	4/24/2012	5/7/2012	5/7/2012
Sample Depth		0 - 3 cm	0 - 13 cm	0 - 3 cm	0 - 10 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		6.6	6.6	4.1	4.1	4.3	3.5
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Chloromethane	SW8260B	--	17 U	--	18 U	12 U	12 U
Cyclohexane	SW8260B	--	68 U	--	70 U	49 U	49 U
Dibromochloromethane	SW8260B	--	3.4 U	--	3.5 U	2.4 U	2.4 U
Dichlorodifluoromethane	SW8260B	--	34 U	--	35 U	24 U	24 U
Dichloromethane (methylene chloride)	SW8260B	--	34 U	--	35 U	24 U	24 U
Ethylbenzene	SW8260B	--	3.4 U	--	3.5 U	2.4 U	1.3 J
Ethylene dibromide (1,2-Dibromoethane)	SW8260B	--	14 U	--	14 U	9.8 U	9.8 U
Isopropylbenzene (cumene)	SW8260B	--	3.4 U	--	1.5 J	2.4 U	2.1 J
m,p-Xylene	SW8260B	--	6.8 U	--	7 U	4.9 U	4.9 U
Methyl acetate	SW8260B	--	68 U	--	70 U	49 U	49 U
Methyl isobutyl ketone (4-methyl-2-pentanone [MIBK])	SW8260B	--	34 U	--	35 U	24 U	5.8 J
Methyl tert-butyl ether (MTBE)	SW8260B	--	6.8 U	--	7 U	4.9 U	4.9 U
Methylcyclohexane	SW8260B	--	14 U	--	14 U	9.8 U	9.8 U
o-Xylene	SW8260B	--	6.8 U	--	7 U	4.9 U	4.9 U
Styrene	SW8260B	--	6.8 U	--	7 U	4.9 U	4.9 U
Tetrachloroethene (PCE)	SW8260B	--	3.4 U	--	3.5 U	2.4 U	2.4 U
Toluene	SW8260B	--	5.1 U	--	5.3 U	3.7 U	3.7 U
Total BTEX (U = 0)	--	--	6.8 U	--	0.87 J	4.9 U	4.5 J
Total BTEX (U = 1/2)	--	--	6.8 U	--	12.27 J	4.9 U	11.3 J
Total xylene (U = 0)	--	--	6.8 U	--	7 U	4.9 U	4.9 U
Total xylene (U = 1/2)	--	--	6.8 U	--	7 U	4.9 U	4.9 U
Trichloroethene (TCE)	SW8260B	--	3.4 U	--	3.5 U	2.4 U	2.4 U
Trichlorofluoromethane (fluorotrichloromethane)	SW8260B	--	17 U	--	18 U	12 U	12 U
Vinyl acetate	SW8260B	--	34 U	--	35 U	24 U	24 U
Vinyl chloride	SW8260B	--	3.6 J	--	7 U	4.9 U	4.9 U
Semivolatile Organics (µg/kg)							
1,2,4,5-Tetrachlorobenzene	SW8270C	--	2100 U	--	1000 U	1400 U	1600 U
1,4-Dioxane	SW8270C	--	4100 U	--	2100 U	2800 U	3200 U
2,3,4,6-Tetrachlorophenol	SW8270C	--	2100 U	--	1000 U	1400 U	1600 U
2,4,5-Trichlorophenol	SW8270C	--	2100 U	--	1000 U	1400 U	1600 U
2,4,6-Trichlorophenol	SW8270C	--	2100 U	--	1000 U	1400 U	1600 U

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2060	Spring Surface Sediment 2061	Spring Surface Sediment 2062	Spring Surface Sediment 2063	Spring Surface Sediment 2064	Spring Surface Sediment 2065
Tributary		English Kills	English Kills	Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek
River Mile		0.92	0.92	0.03	0.03	0.07	0.1
Location ID		EK021SG_20120508	EK021SG_20120508	MC001SG_20120424	MC001SG_20120424	MC002SG_20120507	MC003SG_20120507
Sample ID		EK021SG-000003-20120508	EK021SG-000013-20120508	MC001SG-000003-20120424	MC001SG-000010-20120424	MC002SG-000015-20120507	MC003SG-000015-20120507
Sample Date		5/8/2012	5/8/2012	4/24/2012	4/24/2012	5/7/2012	5/7/2012
Sample Depth		0 - 3 cm	0 - 13 cm	0 - 3 cm	0 - 10 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		6.6	6.6	4.1	4.1	4.3	3.5
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
2,4-Dichlorophenol	SW8270C	--	420 U	--	210 U	290 U	330 U
2,4-Dimethylphenol	SW8270C	--	-- R	--	1000 U	-- R	-- R
2,4-Dinitrophenol	SW8270C	--	11000 U	--	5400 U	7200 U	8300 U
2,4-Dinitrotoluene	SW8270C	--	2100 U	--	1000 U	1400 U	1600 U
2,6-Dinitrotoluene	SW8270C	--	2100 U	--	1000 U	1400 U	1600 U
2-Chloronaphthalene	SW8270C	--	420 U	--	210 U	290 U	330 U
2-Chlorophenol	SW8270C	--	2100 U	--	1000 U	1400 U	1600 U
2-Methylnaphthalene	SW8270C	--	120 J	--	200 J	210 J	190 J
2-Methylphenol (o-Cresol)	SW8270C	--	2100 UJ	--	1000 U	1400 UJ	1600 UJ
2-Nitroaniline	SW8270C	--	11000 U	--	5400 U	7200 U	8300 U
2-Nitrophenol	SW8270C	--	2100 U	--	1000 U	1400 U	1600 U
3,3'-Dichlorobenzidine	SW8270C	--	2100 U	--	1000 U	1400 U	1600 U
3-methylphenol and 4-methylphenol (m&p-cresol)	SW8270C	--	2100 U	--	630 J	290 J	1600 U
3-Nitroaniline	SW8270C	--	11000 U	--	5400 U	7200 U	8300 U
4-Bromophenyl-phenyl ether	SW8270C	--	2100 U	--	1000 U	1400 U	1600 U
4-Chloro-3-methylphenol	SW8270C	--	2100 U	--	1000 U	1400 U	1600 U
4-Chloroaniline	SW8270C	--	430 J	--	300 J	210 J	300 J
4-Chlorophenyl phenyl ether	SW8270C	--	2100 U	--	1000 U	1400 U	1600 U
4-Nitroaniline	SW8270C	--	11000 U	--	5400 U	7200 U	8300 U
4-Nitrophenol	SW8270C	--	11000 UJ	--	5400 U	7200 UJ	8300 UJ
Acenaphthene	SW8270C	--	320 J	--	830	700	440
Acenaphthylene	SW8270C	--	110 J	--	220	160 J	220 J
Acetophenone	SW8270C	--	2100 U	--	160 J	1400 U	130 J
Anthracene	SW8270C	--	520	--	1200	1300	830
Atrazine	SW8270C	--	2100 U	--	1000 U	1400 U	1600 U
Benzaldehyde	SW8270C	--	1300 J	--	860 J	890 J	1000 J
Benzo(a)anthracene	SW8270C	--	2100 J	--	5300 J	4700 J	3400 J
Benzo(a)pyrene	SW8270C	--	1900 J	--	5200 J	4100 J	3300 J
Benzo(b)fluoranthene	SW8270C	--	3300 J	--	6100 J	4700 J	4700 J
Benzo(g,h,i)perylene	SW8270C	--	940 J	--	3900 J	2300 J	2000 J
Benzo(k)fluoranthene	SW8270C	--	1000 J	--	2200 J	2800 J	2300 J
Biphenyl (1,1'-Biphenyl)	SW8270C	--	2100 UJ	--	1000 U	1400 UJ	1600 UJ

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2060	Spring Surface Sediment 2061	Spring Surface Sediment 2062	Spring Surface Sediment 2063	Spring Surface Sediment 2064	Spring Surface Sediment 2065
Tributary	English Kills	English Kills	English Kills	Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek
River Mile	0.92	0.92	0.03	0.03	0.07	0.1	
Location ID	EK021SG_20120508	EK021SG_20120508	MC001SG_20120424	MC001SG_20120424	MC002SG_20120507	MC003SG_20120507	
Sample ID	EK021SG-000003-20120508	EK021SG-000013-20120508	MC001SG-000003-20120424	MC001SG-000010-20120424	MC002SG-000015-20120507	MC003SG-000015-20120507	
Sample Date	5/8/2012	5/8/2012	4/24/2012	4/24/2012	5/7/2012	5/7/2012	
Sample Depth	0 - 3 cm	0 - 13 cm	0 - 3 cm	0 - 10 cm	0 - 15 cm	0 - 15 cm	
Water Column Depth	6.6	6.6	4.1	4.1	4.3	3.5	
Sample Type	N	N	N	N	N	N	
Matrix	SE	SE	SE	SE	SE	SE	
bis(2-Chloroethoxy)methane	SW8270C	--	2100 U	--	1000 U	1400 U	1600 U
bis(2-Chloroethyl)ether	SW8270C	--	420 U	--	210 U	290 U	330 U
bis(2-Chloroisopropyl)ether	SW8270C	--	420 UJ	--	210 U	290 UJ	330 UJ
Bis(2-ethylhexyl)phthalate	SW8270C	--	21000 J	--	37000 J	28000 J	42000 J
Butylbenzyl phthalate	SW8270C	--	540 J	--	320 J	380 J	1400 J
Caprolactam	SW8270C	--	11000 U	--	5400 UJ	7200 U	8300 U
Carbazole	SW8270C	--	320 J	--	860	690	310 J
Chrysene	SW8270C	--	2100 J	--	7300 J	4800 J	4000 J
Dibenzo(a,h)anthracene	SW8270C	--	1200 J	--	1300 J	1100 J	1300 J
Dibenzofuran	SW8270C	--	2100 U	--	290 J	320 J	180 J
Diethyl phthalate	SW8270C	--	2100 U	--	1000 U	1400 U	1600 U
Dimethyl phthalate	SW8270C	--	2100 U	--	1000 U	1400 U	1600 U
Di-n-butyl phthalate	SW8270C	--	340 J	--	350 J	220 J	200 J
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)	SW8270C	--	11000 UJ	--	5400 UJ	7200 UJ	8300 UJ
Di-n-octyl phthalate	SW8270C	--	630 J	--	1900 J	650 J	910 J
Fluoranthene	SW8270C	--	5400	--	14000	12000	9300
Fluorene	SW8270C	--	220 J	--	620	650	240 J
Hexachlorobenzene	SW8270C	--	420 U	--	210 U	290 U	330 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270C	--	420 U	--	210 U	290 U	330 U
Hexachlorocyclopentadiene	SW8270C	--	2100 U	--	1000 U	1400 U	1600 U
Hexachloroethane	SW8270C	--	2100 U	--	1000 U	1400 U	1600 U
Indeno(1,2,3-c,d)pyrene	SW8270C	--	1600 J	--	3600 J	2500 J	2300 J
Isophorone	SW8270C	--	2100 U	--	1000 U	1400 U	1600 U
Naphthalene	SW8270C	--	200 J	--	300	370	240 J
Nitrobenzene	SW8270C	--	4100 U	--	2100 U	2800 U	3200 U
N-Nitrosodi-N-propylamine	SW8270C	--	420 UJ	--	210 U	290 UJ	330 UJ
N-Nitrosodiphenylamine	SW8270C	--	2100 U	--	1000 U	1400 U	1600 U
Pentachlorophenol	SW8270C	--	2100 UJ	--	1000 U	1400 UJ	1600 UJ
Phenanthrene	SW8270C	--	2500	--	6200	4700	2400
Phenol	SW8270C	--	420 U	--	48 J	42 J	52 J
Pyrene	SW8270C	--	2900 J	--	8500 J	6900 J	4000 J

Table A4-2
Surface Sediment Analytical Results

	Task	Spring Surface Sediment 2060	Spring Surface Sediment 2061	Spring Surface Sediment 2062	Spring Surface Sediment 2063	Spring Surface Sediment 2064	Spring Surface Sediment 2065
		English Kills	English Kills	Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek
	Tributary	0.92	0.92	0.03	0.03	0.07	0.1
	River Mile						
	Location ID	EK021SG_20120508	EK021SG_20120508	MC001SG_20120424	MC001SG_20120424	MC002SG_20120507	MC003SG_20120507
	Sample ID	EK021SG-000003-20120508	EK021SG-000013-20120508	MC001SG-000003-20120424	MC001SG-000010-20120424	MC002SG-000015-20120507	MC003SG-000015-20120507
	Sample Date	5/8/2012	5/8/2012	4/24/2012	4/24/2012	5/7/2012	5/7/2012
	Sample Depth	0 - 3 cm	0 - 13 cm	0 - 3 cm	0 - 10 cm	0 - 15 cm	0 - 15 cm
	Water Column Depth	6.6	6.6	4.1	4.1	4.3	3.5
	Sample Type	N	N	N	N	N	N
	Matrix	SE	SE	SE	SE	SE	SE
Total cresol (o,m,p) (U = 0)	--	--	2100 UJ	--	630 J	290 J	1600 UJ
Total cresol (o,m,p) (U = 1/2)	--	--	2100 UJ	--	1130 J	990 J	1600 UJ
Polycyclic Aromatic Hydrocarbons (µg/kg)							
1,6,7-Trimethylnaphthalene	SW8270CMSIM	--	669	--	402	474	1120
1-Methyldibenzothiophene	SW8270CMSIM	--	234	--	117	100	484
1-Methylnaphthalene	SW8270CMSIM	--	340	--	198	124	367
1-Methylphenanthrene	SW8270CMSIM	--	865	--	862	546	3440
2,6-Dimethylnaphthalene	SW8270CMSIM	--	605	--	682	421	896
2-Methylantracene	SW8270CMSIM	--	298	--	244	158	1380
2-Methyldibenzothiophene and 3-methyldibenzothiophene	SW8270CMSIM	--	401	--	214	260	1230
2-Methylnaphthalene	SW8270CMSIM	--	496	--	292	230	659
2-Methylphenanthrene	SW8270CMSIM	--	769	--	540	333	880
4-Methyldibenzothiophene	SW8270CMSIM	--	486	--	429	358	1710
4-Methylphenanthrene and 9-methylphenanthrene	SW8270CMSIM	--	1000	--	982	834	4070
Acenaphthene	SW8270CMSIM	--	704	--	506	440	824
Acenaphthylene	SW8270CMSIM	--	356	--	380	295	2050
Anthracene	SW8270CMSIM	--	1670	--	1060	759	2670
Benzo(a)anthracene	SW8270CMSIM	--	4700	--	4910	3870	14400
Benzo(a)pyrene	SW8270CMSIM	--	4630	--	5540	4160	15000
Benzo(b)fluoranthene	SW8270CMSIM	--	6160	--	6310	4800	12100
Benzo(e)pyrene	SW8270CMSIM	--	4210	--	4750	3900	11200
Benzo(g,h,i)perylene	SW8270CMSIM	--	3520	--	4360	3460	9640
Benzo(j,k)fluoranthene	SW8270CMSIM	--	4180	--	5320	3960	10900
Benzonaphthothiophene	SW8270CMSIM	--	1890	--	2050	1360	6130
Benzo(b)fluoranthene	SW8270CMSIM	--	114 U	--	97.3 U	64.8 U	59.1 J
Carbazole	SW8270CMSIM	--	561	--	468	372	580
Chrysene	SW8270CMSIM	--	6220	--	6840	5300	17700
Decalin, cis and trans-	SW8270CMSIM	--	615	--	466	417	791
Dibenzo(a,h)anthracene and dibenzo(a,c)anthracene	SW8270CMSIM	--	899	--	1100	1030	3160
Dibenzothiophene	SW8270CMSIM	--	541	--	415	289	613

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2060	Spring Surface Sediment 2061	Spring Surface Sediment 2062	Spring Surface Sediment 2063	Spring Surface Sediment 2064	Spring Surface Sediment 2065
Tributary		English Kills	English Kills	Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek
River Mile		0.92	0.92	0.03	0.03	0.07	0.1
Location ID		EK021SG_20120508	EK021SG_20120508	MC001SG_20120424	MC001SG_20120424	MC002SG_20120507	MC003SG_20120507
Sample ID		EK021SG-000003-20120508	EK021SG-000013-20120508	MC001SG-000003-20120424	MC001SG-000010-20120424	MC002SG-000015-20120507	MC003SG-000015-20120507
Sample Date		5/8/2012	5/8/2012	4/24/2012	4/24/2012	5/7/2012	5/7/2012
Sample Depth		0 - 3 cm	0 - 13 cm	0 - 3 cm	0 - 10 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		6.6	6.6	4.1	4.1	4.3	3.5
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Fluoranthene	SW8270CMSIM	--	15500	--	13200	9790	20600
Fluorene	SW8270CMSIM	--	625	--	472	250	540
Indeno(1,2,3-c,d)pyrene	SW8270CMSIM	--	3660	--	4590	3380	8920
Naphthalene	SW8270CMSIM	--	694	--	320	342	1200
Perylene	SW8270CMSIM	--	1230	--	1420	1060	3190
Phenanthrene	SW8270CMSIM	--	5980	--	3720	2530	4600
Pyrene	SW8270CMSIM	--	13400	--	11700	8550	23200
Retene	SW8270CMSIM	--	114 U	--	97.3 U	64.8 U	127 U
Total benzofluoranthenes (U = 0)	--	--	10340	--	11630	8760	23000
Total benzofluoranthenes (U = 1/2)	--	--	10340	--	11630	8760	23000
Total cPAH TEQ (USEPA 1993) (U = 0)	--	--	7029.02	--	8281.04	6439.9	21828.7
Total cPAH TEQ (USEPA 1993) (U = 1/2)	--	--	7029.02	--	8281.04	6439.9	21828.7
Total HPAH (9 of 16) (U = 0)	--	--	62869	--	63870	48300	135620
Total HPAH (9 of 16) (U = 1/2)	--	--	62869	--	63870	48300	135620
Total LPAH (7 of 16) (U = 0)	--	--	10525	--	6750	4846	12543
Total LPAH (7 of 16) (U = 1/2)	--	--	10525	--	6750	4846	12543
Total PAH (16) (U = 0)	--	--	73394	--	70620	53146	148163
Total PAH (16) (U = 1/2)	--	--	73394	--	70620	53146	148163
Alkylated Polycyclic Aromatic Hydrocarbons (µg/kg)							
C1-Benzo(a)anthracenes/chrysenes	SW8270CMSIM	--	2900	--	3290	2890	18700
C1-Benzo(b)thiophenes	SW8270CMSIM	--	246	--	129	95.3	297
C1-Decalins	SW8270CMSIM	--	1360	--	1150	959	1740
C1-Dibenzothiophenes	SW8270CMSIM	--	1220	--	831	762	3800
C1-Fluoranthenes/Pyrenes	SW8270CMSIM	--	6870	--	5780	4220	25000
C1-Fluorenes	SW8270CMSIM	--	1070	--	686	524	1630
C1-Naphthalenes	SW8270CMSIM	--	575	--	308	212	619
C1-Phenanthrenes/Anthracenes	SW8270CMSIM	--	4180	--	3590	2810	12800
C2-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	--	2290	--	2820	2440	14800
C2-Benzo(b)thiophenes	SW8270CMSIM	--	213	--	118	78.3	206
C2-Decalins	SW8270CMSIM	--	2540	--	1820	1110	2160
C2-Dibenzothiophenes	SW8270CMSIM	--	3640	--	1930	1610	8540
C2-Fluorenes	SW8270CMSIM	--	5090	--	2480	2140	7480
C2-Naphthalenes	SW8270CMSIM	--	1570	--	1300	771	1790

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2060	Spring Surface Sediment 2061	Spring Surface Sediment 2062	Spring Surface Sediment 2063	Spring Surface Sediment 2064	Spring Surface Sediment 2065
Tributary		English Kills	English Kills	Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek
River Mile		0.92	0.92	0.03	0.03	0.07	0.1
Location ID		EK021SG_20120508	EK021SG_20120508	MC001SG_20120424	MC001SG_20120424	MC002SG_20120507	MC003SG_20120507
Sample ID		EK021SG-000003-20120508	EK021SG-000013-20120508	MC001SG-000003-20120424	MC001SG-000010-20120424	MC002SG-000015-20120507	MC003SG-000015-20120507
Sample Date		5/8/2012	5/8/2012	4/24/2012	4/24/2012	5/7/2012	5/7/2012
Sample Depth		0 - 3 cm	0 - 13 cm	0 - 3 cm	0 - 10 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		6.6	6.6	4.1	4.1	4.3	3.5
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
C2-Phenanthrenes/Anthracenes	SW8270CMSIM	--	6350	--	5610	4440	20800
C3-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	--	2210	--	2860	2230	9400
C3-Benzo(b)thiophenes	SW8270CMSIM	--	502	--	274	198	501
C3-Decalins	SW8270CMSIM	--	2220	--	1340	735	1480
C3-Dibenzothiophenes	SW8270CMSIM	--	3890	--	2080	1710	7680
C3-Fluorenes	SW8270CMSIM	--	6080	--	3460	2640	8300
C3-Naphthalenes	SW8270CMSIM	--	4200	--	3230	2600	6980
C3-Phenanthrenes/Anthracenes	SW8270CMSIM	--	4770	--	3750	2630	12000
C4-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	--	1360	--	1630	1430	4560
C4-Benzo(b)thiophenes	SW8270CMSIM	--	774	--	298	182	686
C4-Decalins	SW8270CMSIM	--	3580	--	2170	1010	2540
C4-Dibenzothiophenes	SW8270CMSIM	--	2260	--	1440	994	3800
C4-Naphthalenes	SW8270CMSIM	--	6590	--	3290	2680	7830
C4-Phenanthrenes/Anthracenes	SW8270CMSIM	--	2650	--	1770	1130	4830
n-Alkanes and Isoprenoids (µg/kg)							
2,6,10-Trimethyldodecane	SW8015M	--	2460 J	--	2680 J	1260 J	4180 J
2,6,10-Trimethyltridecane	SW8015M	--	6400 J	--	6260 J	4160 J	11600 J
n-Decane (C10)	SW8015M	--	7580 U	--	6480 U	4320 U	8450 U
n-Docosane (C22)	SW8015M	--	2300 J	--	1260 J	821 J	8450 U
n-Dodecane (C12)	SW8015M	--	7580 U	--	6480 U	4320 U	8450 U
n-Dotriacontane (C32)	SW8015M	--	19700	--	3310 J	2570 J	8450 U
n-Eicosane (C20)	SW8015M	--	2070 J	--	6480 U	1630 J	8450 U
n-Heneicosane (C21)	SW8015M	--	1410 J	--	1690 J	1550 J	1340 J
n-Hentriacontane (C31)	SW8015M	--	12600	--	33100	15600	22200
n-Heptacosane (C27)	SW8015M	--	9410	--	10100	5640	7680 J
n-Heptadecane (C17)	SW8015M	--	2600 J	--	2520 J	2670 J	8450 U
n-Heptatriacontane (C37)	SW8015M	--	4230 J	--	1870 J	1810 J	8450 U
n-Hexacosane (C26)	SW8015M	--	7110 J	--	5860 J	2980 J	5910 J
n-Hexadecane (C16)	SW8015M	--	1510 J	--	1480 J	1700 J	2370 J
n-Hexatriacontane (C36)	SW8015M	--	4270 J	--	7270	2540 J	8450 U
n-Nonacosane (C29)	SW8015M	--	20700	--	74400	9930	6280 J
n-Nonadecane (C19)	SW8015M	--	1950 J	--	6480 U	1520 J	8450 U
n-Nonane (C9)	SW8015M	--	7580 U	--	6480 U	4320 U	8450 U

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2060	Spring Surface Sediment 2061	Spring Surface Sediment 2062	Spring Surface Sediment 2063	Spring Surface Sediment 2064	Spring Surface Sediment 2065
Tributary		English Kills	English Kills	Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek
River Mile		0.92	0.92	0.03	0.03	0.07	0.1
Location ID		EK021SG_20120508	EK021SG_20120508	MC001SG_20120424	MC001SG_20120424	MC002SG_20120507	MC003SG_20120507
Sample ID		EK021SG-000003-20120508	EK021SG-000013-20120508	MC001SG-000003-20120424	MC001SG-000010-20120424	MC002SG-000015-20120507	MC003SG-000015-20120507
Sample Date		5/8/2012	5/8/2012	4/24/2012	4/24/2012	5/7/2012	5/7/2012
Sample Depth		0 - 3 cm	0 - 13 cm	0 - 3 cm	0 - 10 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		6.6	6.6	4.1	4.1	4.3	3.5
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
n-Nonatriacontane (C39)	SW8015M	--	3610 J	--	6480 U	4320 U	8450 U
n-Octacosane (C28)	SW8015M	--	4230 J	--	3560 J	1860 J	8450 U
n-Octadecane (C18)	SW8015M	--	8190 J	--	4470 J	4170 J	5000 J
n-Octatriacontane (C38)	SW8015M	--	4440 J	--	3770 J	2000 J	3050 J
Norpristane	SW8015M	--	6680 J	--	6540	4990	12400
n-Pentacosane (C25)	SW8015M	--	10200 J	--	17800 J	12200 J	32200 J
n-Pentadecane (C15)	SW8015M	--	2910 J	--	1900 J	1900 J	2550 J
n-Pentatriacontane (C35)	SW8015M	--	12200	--	5010 J	3020 J	4370 J
n-Tetracontane (C40)	SW8015M	--	3900 J	--	2500 J	1720 J	8450 U
n-Tetracosane (C24)	SW8015M	--	2230 J	--	6480 U	1080 J	8450 U
n-Tetradecane (C14)	SW8015M	--	1590 J	--	1270 J	951 J	8450 U
n-Tetratriacontane (C34)	SW8015M	--	10600	--	8510	4320 U	8450 U
n-Triacontane (C30)	SW8015M	--	9060	--	7260	2810 J	3940 J
n-Tricosane (C23)	SW8015M	--	1730 J	--	2650 J	2230 J	5560 J
n-Tridecane (C13)	SW8015M	--	7580 U	--	6480 U	4320 U	3080 J
n-Tritriacontane (C33)	SW8015M	--	13200	--	16500	4940	8450 U
n-Undecane (C11)	SW8015M	--	7580 U	--	6480 U	4320 U	8450 U
Pesticides (µg/kg)							
2,4'-DDD (o,p'-DDD)	SW8081A	--	17 J	--	0.26 UJ	65 J	25 J
2,4'-DDE (o,p'-DDE)	SW8081A	--	14 J	--	4.1 J	5.4 J	9 J
2,4'-DDT (o,p'-DDT)	SW8081A	--	0.26 UJ	--	0.26 U	0.18 UJ	0.2 UJ
4,4'-DDD (p,p'-DDD)	SW8081A	--	64	--	9.5 J	29	52
4,4'-DDE (p,p'-DDE)	SW8081A	--	30 J	--	15	20 J	22 J
4,4'-DDT (p,p'-DDT)	SW8081A	--	20 J	--	10	7.1 J	9.5 J
Aldrin	SW8081A	--	0.12 J	--	0.26 U	0.69 J	1.4 J
alpha-Hexachlorocyclohexane (BHC)	SW8081A	--	0.26 U	--	0.42 J	0.046 J	0.072 J
Chlordane, alpha- (cis-Chlordane)	SW8081A	--	0.26 U	--	0.26 U	0.18 U	0.2 U
Chlordane, beta- (trans-Chlordane)	SW8081A	--	0.26 U	--	0.26 U	0.18 U	0.2 U
delta-Hexachlorocyclohexane (BHC)	SW8081A	--	0.11 J	--	2.3 J	0.094 J	0.1 J
Dieldrin	SW8081A	--	13 J	--	0.26 U	0.18 U	0.2 UJ
Endosulfan sulfate	SW8081A	--	1.8 J	--	0.26 UJ	0.42 J	0.2 UJ
Endosulfan-alpha (I)	SW8081A	--	0.26 U	--	0.26 U	0.18 UJ	0.2 UJ
Endosulfan-beta (II)	SW8081A	--	0.26 UJ	--	6.2 J	0.7 J	2 J

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2060	Spring Surface Sediment 2061	Spring Surface Sediment 2062	Spring Surface Sediment 2063	Spring Surface Sediment 2064	Spring Surface Sediment 2065
		Tributary	English Kills	English Kills	Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek
		River Mile	0.92	0.92	0.03	0.03	0.07	0.1
		Location ID	EK021SG_20120508	EK021SG_20120508	MC001SG_20120424	MC001SG_20120424	MC002SG_20120507	MC003SG_20120507
		Sample ID	EK021SG-000003-20120508	EK021SG-000013-20120508	MC001SG-000003-20120424	MC001SG-000010-20120424	MC002SG-000015-20120507	MC003SG-000015-20120507
		Sample Date	5/8/2012	5/8/2012	4/24/2012	4/24/2012	5/7/2012	5/7/2012
		Sample Depth	0 - 3 cm	0 - 13 cm	0 - 3 cm	0 - 10 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	6.6	6.6	4.1	4.1	4.3	3.5
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
Endrin	SW8081A	--	--	2.5 J	--	0.26 UJ	0.94 J	3.2 J
Endrin aldehyde	SW8081A	--	--	1.2 J	--	2.8 J	0.55 J	0.2 UJ
Endrin ketone	SW8081A	--	--	3.2 J	--	0.26 UJ	2 J	5.9 J
Heptachlor	SW8081A	--	--	0.26 U	--	6.9 J	0.18 U	9.2 J
Heptachlor epoxide	SW8081A	--	--	3.6 J	--	2.9 J	0.18 UJ	0.48 J
Hexachlorobenzene	SW8081A	--	--	1.4 J	--	2.6	2.1	5.6
Hexachlorocyclohexane, beta- (BHC)	SW8081A	--	--	0.5 J	--	1.7 J	0.72 J	0.52 J
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	SW8081A	--	--	0.26 U	--	0.26 U	0.18 U	0.2 U
Methoxychlor	SW8081A	--	--	0.52 UJ	--	7 J	0.36 UJ	8.1 J
Mirex	SW8081A	--	--	0.26 UJ	--	0.16 J	0.3	0.11 J
Nonachlor, cis-	SW8081A	--	--	5.1 J	--	7.3 J	3.3 J	6.5 J
Nonachlor, trans-	SW8081A	--	--	3.4 J	--	4.7 J	2.3 J	5.7 J
Oxychlordane	SW8081A	--	--	4.5 J	--	2.3 J	0.55 J	0.2 J
Sum DDD (U = 0)	--	--	--	81 J	--	9.5 J	94 J	77 J
Sum DDD (U = 1/2)	--	--	--	81 J	--	9.63 J	94 J	77 J
Sum DDE (U = 0)	--	--	--	44 J	--	19.1 J	25.4 J	31 J
Sum DDE (U = 1/2)	--	--	--	44 J	--	19.1 J	25.4 J	31 J
Sum DDT (U = 0)	--	--	--	20 J	--	10	7.1 J	9.5 J
Sum DDT (U = 1/2)	--	--	--	20.13 J	--	10.13	7.19 J	9.6 J
Total chlordane (U = 0)	--	--	--	13 J	--	14.3 J	6.15 J	12.4 J
Total chlordane (U = 1/2)	--	--	--	13.26 J	--	14.56 J	6.33 J	12.6 J
Total DDx (U = 0)	--	--	--	145 J	--	38.6 J	126.5 J	117.5 J
Total DDx (U = 1/2)	--	--	--	145.13 J	--	38.86 J	126.59 J	117.6 J
Toxaphene	SW8081A	--	--	10 U	--	10 U	7.1 U	8.1 U
Pesticides - High Resolution (µg/kg)								
2,4'-DDD (o,p'-DDD)	E1699	--	--	62 J	--	430	--	--
2,4'-DDE (o,p'-DDE)	E1699	--	--	5.9	--	4.6	--	--
2,4'-DDT (o,p'-DDT)	E1699	--	--	2.9	--	5.3	--	--
4,4'-DDD (p,p'-DDD)	E1699	--	--	180 J	--	130	--	--
4,4'-DDE (p,p'-DDE)	E1699	--	--	120 J	--	91	--	--
4,4'-DDT (p,p'-DDT)	E1699	--	--	23	--	26	--	--
Aldrin	E1699	--	--	0.72 J	--	0.28 U	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2060	Spring Surface Sediment 2061	Spring Surface Sediment 2062	Spring Surface Sediment 2063	Spring Surface Sediment 2064	Spring Surface Sediment 2065
Tributary		English Kills	English Kills	Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek
River Mile		0.92	0.92	0.03	0.03	0.07	0.1
Location ID		EK021SG_20120508	EK021SG_20120508	MC001SG_20120424	MC001SG_20120424	MC002SG_20120507	MC003SG_20120507
Sample ID		EK021SG-000003-20120508	EK021SG-000013-20120508	MC001SG-000003-20120424	MC001SG-000010-20120424	MC002SG-000015-20120507	MC003SG-000015-20120507
Sample Date		5/8/2012	5/8/2012	4/24/2012	4/24/2012	5/7/2012	5/7/2012
Sample Depth		0 - 3 cm	0 - 13 cm	0 - 3 cm	0 - 10 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		6.6	6.6	4.1	4.1	4.3	3.5
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
alpha-Hexachlorocyclohexane (BHC)	E1699	--	0.12 U	--	0.18 U	--	--
Chlordane, alpha- (cis-Chlordane)	E1699	--	120	--	160	--	--
Chlordane, beta- (trans-Chlordane)	E1699	--	150	--	170	--	--
delta-Hexachlorocyclohexane (BHC)	E1699	--	0.16 U	--	0.25 U	--	--
Dieldrin	E1699	--	49	--	55	--	--
Endosulfan sulfate	E1699	--	0.24 U	--	0.2 U	--	--
Endosulfan-alpha (I)	E1699	--	1.2 U	--	0.96 U	--	--
Endosulfan-beta (II)	E1699	--	2.1 U	--	10	--	--
Endrin	E1699	--	0.56 U	--	0.59 U	--	--
Endrin aldehyde	E1699	--	0.63 U	--	0.4 U	--	--
Endrin ketone	E1699	--	0.55 U	--	0.94 U	--	--
Heptachlor	E1699	--	0.094 U	--	0.3 J	--	--
Heptachlor epoxide	E1699	--	0.69 J	--	4	--	--
Hexachlorobenzene	E1699	--	11	--	19	--	--
Hexachlorocyclohexane, beta- (BHC)	E1699	--	0.13 U	--	0.28 J	--	--
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	E1699	--	0.36 J	--	0.2 U	--	--
Methoxychlor	E1699	--	1.1 U	--	0.7 U	--	--
Mirex	E1699	--	4.5	--	1.2 J	--	--
Nonachlor, cis-	E1699	--	23	--	39	--	--
Nonachlor, trans-	E1699	--	53	--	110	--	--
Oxychlordane	E1699	--	0.2 U	--	1.5 J	--	--
Sum DDD high resolution (U = 0)	--	--	242 J	--	560	--	--
Sum DDD high resolution (U = 1/2)	--	--	242 J	--	560	--	--
Sum DDE high resolution (U = 0)	--	--	125.9 J	--	95.6	--	--
Sum DDE high resolution (U = 1/2)	--	--	125.9 J	--	95.6	--	--
Sum DDT high resolution (U = 0)	--	--	25.9	--	31.3	--	--
Sum DDT high resolution (U = 1/2)	--	--	25.9	--	31.3	--	--
Total chlordane high resolution (U = 0)	--	--	346	--	480.5 J	--	--
Total chlordane high resolution (U = 1/2)	--	--	346.1	--	480.5 J	--	--
Total DDx high resolution (U = 0)	--	--	393.8 J	--	686.9	--	--
Total DDx high resolution (U = 1/2)	--	--	393.8 J	--	686.9	--	--
Toxaphene	E1699	--	12 U	--	19 U	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2060	Spring Surface Sediment 2061	Spring Surface Sediment 2062	Spring Surface Sediment 2063	Spring Surface Sediment 2064	Spring Surface Sediment 2065
Tributary		English Kills	English Kills	Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek
River Mile		0.92	0.92	0.03	0.03	0.07	0.1
Location ID		EK021SG_20120508	EK021SG_20120508	MC001SG_20120424	MC001SG_20120424	MC002SG_20120507	MC003SG_20120507
Sample ID		EK021SG-000003-20120508	EK021SG-000013-20120508	MC001SG-000003-20120424	MC001SG-000010-20120424	MC002SG-000015-20120507	MC003SG-000015-20120507
Sample Date		5/8/2012	5/8/2012	4/24/2012	4/24/2012	5/7/2012	5/7/2012
Sample Depth		0 - 3 cm	0 - 13 cm	0 - 3 cm	0 - 10 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		6.6	6.6	4.1	4.1	4.3	3.5
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Herbicides (µg/kg)							
2,2-Dichloropropionic acid (dalapon)	SW8151A	--	280 U	--	280 U	190 U	220 U
2,4,5-T (2,4,5-trichlorophenoxyacetic acid)	SW8151A	--	62 U	--	63 U	43 UJ	49 UJ
2,4,5-TP (Silvex)	SW8151A	--	62 U	--	63 U	43 U	49 U
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	--	250 U	--	110 J	170 UJ	200 UJ
2,4-DB (2,4-D derivative)	SW8151A	--	250 U	--	250 U	170 U	200 U
Dicamba	SW8151A	--	120 U	--	130 U	86 U	98 U
Dichlorprop	SW8151A	--	160 J	--	210 J	170 U	200 U
Dinoseb	SW8151A	--	37 UJ	--	38 U	26 UJ	29 UJ
Mecoprop (MCP)	SW8151A	--	25000 U	--	25000 U	17000 U	20000 U
Mephanac (MCPA)	SW8151A	--	25000 U	--	25000 U	17000 U	20000 U
Dioxin Furans (ng/kg)							
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	--	3.14	--	4.25	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	--	8.72	--	21.4	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	14.8	--	32.6	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	40.3	--	94.2	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	29.6	--	80.7	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B	--	746	--	1800	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B	--	6510	--	15400 J	--	--
Total tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	--	179 J	--	93.5 J	--	--
Total pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	--	151	--	154 J	--	--
Total hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	404	--	756	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2060	Spring Surface Sediment 2061	Spring Surface Sediment 2062	Spring Surface Sediment 2063	Spring Surface Sediment 2064	Spring Surface Sediment 2065
		Tributary	English Kills	English Kills	Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek
		River Mile	0.92	0.92	0.03	0.03	0.07	0.1
		Location ID	EK021SG_20120508	EK021SG_20120508	MC001SG_20120424	MC001SG_20120424	MC002SG_20120507	MC003SG_20120507
		Sample ID	EK021SG-000003-20120508	EK021SG-000013-20120508	MC001SG-000003-20120424	MC001SG-000010-20120424	MC002SG-000015-20120507	MC003SG-000015-20120507
		Sample Date	5/8/2012	5/8/2012	4/24/2012	4/24/2012	5/7/2012	5/7/2012
		Sample Depth	0 - 3 cm	0 - 13 cm	0 - 3 cm	0 - 10 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	6.6	6.6	4.1	4.1	4.3	3.5
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
Total heptachlorodibenzo-p-dioxin (HpCDD)	E1613B	--	--	1530	--	3930	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B	--	--	16.3	--	17.2	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B	--	--	17.3	--	28.5	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B	--	--	34.9	--	59.6	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B	--	--	54.1 J	--	104	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B	--	--	33.4 J	--	68.4	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B	--	--	0.331 U	--	12.5	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B	--	--	34.5	--	62.3	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B	--	--	361	--	814	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B	--	--	23.5	--	38.8	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B	--	--	685	--	1370	--	--
Total tetrachlorodibenzofuran (TCDF)	E1613B	--	--	452 J	--	487 J	--	--
Total pentachlorodibenzofuran (PeCDF)	E1613B	--	--	424 J	--	735 J	--	--
Total hexachlorodibenzofuran (HxCDF)	E1613B	--	--	553 J	--	1140 J	--	--
Total heptachlorodibenzofuran (HpCDF)	E1613B	--	--	736 J	--	1490	--	--
Total dioxin/furan TEQ 1998 (avian) (U = 0)	--	--	--	86.403 J	--	152.67 J	--	--
Total dioxin/furan TEQ 1998 (avian) (U = 1/2)	--	--	--	86.42 J	--	152.67 J	--	--
Total dioxin/furan TEQ 1998 (fish) (U = 0)	--	--	--	56.599 J	--	112.51 J	--	--
Total dioxin/furan TEQ 1998 (fish) (U = 1/2)	--	--	--	56.616 J	--	112.51 J	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2060	Spring Surface Sediment 2061	Spring Surface Sediment 2062	Spring Surface Sediment 2063	Spring Surface Sediment 2064	Spring Surface Sediment 2065
Tributary		English Kills	English Kills	Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek
River Mile		0.92	0.92	0.03	0.03	0.07	0.1
Location ID		EK021SG_20120508	EK021SG_20120508	MC001SG_20120424	MC001SG_20120424	MC002SG_20120507	MC003SG_20120507
Sample ID		EK021SG-000003-20120508	EK021SG-000013-20120508	MC001SG-000003-20120424	MC001SG-000010-20120424	MC002SG-000015-20120507	MC003SG-000015-20120507
Sample Date		5/8/2012	5/8/2012	4/24/2012	4/24/2012	5/7/2012	5/7/2012
Sample Depth		0 - 3 cm	0 - 13 cm	0 - 3 cm	0 - 10 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		6.6	6.6	4.1	4.1	4.3	3.5
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total dioxin/furan TEQ 2005 (mammal) (U = 0)	--	--	58.612 J	--	123.13 J	--	--
Total dioxin/furan TEQ 2005 (mammal) (U = 1/2)	--	--	58.629 J	--	123.13 J	--	--
PCB Aroclors (µg/kg)							
Aroclor 1016	SW8082A	--	13 U	--	26 U	8.9 U	10 U
Aroclor 1221	SW8082A	--	13 U	--	26 U	8.9 U	10 U
Aroclor 1232	SW8082A	--	13 U	--	26 U	8.9 U	10 U
Aroclor 1242	SW8082A	--	530	--	170	130	480
Aroclor 1248	SW8082A	--	13 U	--	26 U	8.9 U	10 U
Aroclor 1254	SW8082A	--	730	--	400	410	1100
Aroclor 1260	SW8082A	--	13 U	--	26 U	8.9 U	10 U
Aroclor 1262	SW8082A	--	13 U	--	26 U	8.9 U	10 U
Aroclor 1268	SW8082A	--	13 U	--	26 U	8.9 U	10 U
Total PCB Aroclors (U = 0)	--	--	1260	--	570	540	1580
Total PCB Aroclors (U = 1/2)	--	--	1305.5	--	661	571.1	1615
PCB Congeners (ng/kg)							
PCB-001	E1668B	--	16100 J	--	7170 J	--	--
PCB-002	E1668B	--	796	--	892	--	--
PCB-003	E1668B	--	5030	--	5020	--	--
PCB-004	E1668B	--	23600 J	--	6270	--	--
PCB-005	E1668B	--	1320	--	536	--	--
PCB-006	E1668B	--	16700 J	--	3760	--	--
PCB-007	E1668B	--	3330	--	1030	--	--
PCB-008	E1668B	--	56300 J	--	15800 J	--	--
PCB-009	E1668B	--	4820	--	1570	--	--
PCB-010	E1668B	--	1610	--	590	--	--
PCB-011	E1668B	--	4870	--	3800	--	--
PCB-012/013	E1668B	--	5060	--	2100	--	--
PCB-014	E1668B	--	25.1 U	--	21.8 U	--	--
PCB-015	E1668B	--	24700 J	--	10600 J	--	--
PCB-016	E1668B	--	39600 J	--	9290 J	--	--
PCB-017	E1668B	--	34200 J	--	9850 J	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2060	Spring Surface Sediment 2061	Spring Surface Sediment 2062	Spring Surface Sediment 2063	Spring Surface Sediment 2064	Spring Surface Sediment 2065
		Tributary	English Kills	English Kills	Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek
		River Mile	0.92	0.92	0.03	0.03	0.07	0.1
		Location ID	EK021SG_20120508	EK021SG_20120508	MC001SG_20120424	MC001SG_20120424	MC002SG_20120507	MC003SG_20120507
		Sample ID	EK021SG-000003-20120508	EK021SG-000013-20120508	MC001SG-000003-20120424	MC001SG-000010-20120424	MC002SG-000015-20120507	MC003SG-000015-20120507
		Sample Date	5/8/2012	5/8/2012	4/24/2012	4/24/2012	5/7/2012	5/7/2012
		Sample Depth	0 - 3 cm	0 - 13 cm	0 - 3 cm	0 - 10 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	6.6	6.6	4.1	4.1	4.3	3.5
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-018/030	E1668B	--	74900 J	--	20500 J	--	--	--
PCB-019	E1668B	--	8840	--	2750	--	--	--
PCB-020/028	E1668B	--	103000 J	--	35600 J	--	--	--
PCB-021/033	E1668B	--	55200 J	--	18100 J	--	--	--
PCB-022	E1668B	--	37000 J	--	12900 J	--	--	--
PCB-023	E1668B	--	122	--	38.9	--	--	--
PCB-024	E1668B	--	8.83 U	--	4.65 U	--	--	--
PCB-025	E1668B	--	10400 J	--	3180	--	--	--
PCB-026/029	E1668B	--	17700	--	5760	--	--	--
PCB-027	E1668B	--	5070	--	1980	--	--	--
PCB-031	E1668B	--	97100 J	--	31700 J	--	--	--
PCB-032	E1668B	--	22000 J	--	7830 J	--	--	--
PCB-034	E1668B	--	444	--	122	--	--	--
PCB-035	E1668B	--	1810	--	880	--	--	--
PCB-036	E1668B	--	16.5 U	--	12.7 U	--	--	--
PCB-037	E1668B	--	24200 J	--	9650 J	--	--	--
PCB-038	E1668B	--	17.7 U	--	13.9 U	--	--	--
PCB-039	E1668B	--	16.3 U	--	143	--	--	--
PCB-040/071	E1668B	--	40300 J	--	19900 J	--	--	--
PCB-041	E1668B	--	19700 J	--	2610	--	--	--
PCB-042	E1668B	--	26200 J	--	8770 J	--	--	--
PCB-043	E1668B	--	3990	--	1560	--	--	--
PCB-044/047/065	E1668B	--	99600	--	130000 J	--	--	--
PCB-045	E1668B	--	--	--	--	--	--	--
PCB-045/051	E1668B	--	23200 J	--	52000 J	--	--	--
PCB-046	E1668B	--	8270	--	3070	--	--	--
PCB-048	E1668B	--	22700 J	--	6080	--	--	--
PCB-049/069	E1668B	--	56600 J	--	40900 J	--	--	--
PCB-050/053	E1668B	--	16500	--	15700 J	--	--	--
PCB-051	E1668B	--	--	--	--	--	--	--
PCB-052	E1668B	--	134000 J	--	50400 J	--	--	--
PCB-054	E1668B	--	263	--	4360	--	--	--
PCB-055	E1668B	--	17.2 U	--	11.2 U	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2060	Spring Surface Sediment 2061	Spring Surface Sediment 2062	Spring Surface Sediment 2063	Spring Surface Sediment 2064	Spring Surface Sediment 2065
		Tributary	English Kills	English Kills	Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek
		River Mile	0.92	0.92	0.03	0.03	0.07	0.1
		Location ID	EK021SG_20120508	EK021SG_20120508	MC001SG_20120424	MC001SG_20120424	MC002SG_20120507	MC003SG_20120507
		Sample ID	EK021SG-000003-20120508	EK021SG-000013-20120508	MC001SG-000003-20120424	MC001SG-000010-20120424	MC002SG-000015-20120507	MC003SG-000015-20120507
		Sample Date	5/8/2012	5/8/2012	4/24/2012	4/24/2012	5/7/2012	5/7/2012
		Sample Depth	0 - 3 cm	0 - 13 cm	0 - 3 cm	0 - 10 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	6.6	6.6	4.1	4.1	4.3	3.5
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-056	E1668B	--	41200 J	--	12900 J	--	--	--
PCB-057	E1668B	--	18 U	--	12.3 U	--	--	--
PCB-058	E1668B	--	17.6 U	--	12 U	--	--	--
PCB-059/062/075	E1668B	--	7740	--	3000	--	--	--
PCB-060	E1668B	--	22900 J	--	7010 J	--	--	--
PCB-061/070/074/076	E1668B	--	151000 J	--	48600 J	--	--	--
PCB-063	E1668B	--	3190	--	942	--	--	--
PCB-064	E1668B	--	40300 J	--	12900 J	--	--	--
PCB-066	E1668B	--	80400 J	--	30100 J	--	--	--
PCB-067	E1668B	--	3110	--	1420	--	--	--
PCB-068	E1668B	--	16.4 U	--	355	--	--	--
PCB-072	E1668B	--	17.8 U	--	405	--	--	--
PCB-073	E1668B	--	11.7 U	--	5.53 U	--	--	--
PCB-077	E1668B	--	8250	--	2730	--	--	--
PCB-078	E1668B	--	18.1 U	--	12.9 U	--	--	--
PCB-079	E1668B	--	2220	--	423 J	--	--	--
PCB-080	E1668B	--	16.4 U	--	11.3 U	--	--	--
PCB-081	E1668B	--	19 U	--	128	--	--	--
PCB-082	E1668B	--	14600 J	--	5390 J	--	--	--
PCB-083	E1668B	--	5210	--	20.1 UJ	--	--	--
PCB-084	E1668B	--	29700 J	--	11600 J	--	--	--
PCB-085/116	E1668B	--	--	--	--	--	--	--
PCB-085/116/117	E1668B	--	17300	--	11200 J	--	--	--
PCB-086/087/097/108/119/125	E1668B	--	70000 J	--	49800 J	--	--	--
PCB-088	E1668B	--	--	--	--	--	--	--
PCB-088/091	E1668B	--	13500	--	27400 J	--	--	--
PCB-089	E1668B	--	28.3 U	--	17 UJ	--	--	--
PCB-090/101/113	E1668B	--	93400 J	--	94300 J	--	--	--
PCB-091	E1668B	--	--	--	--	--	--	--
PCB-092	E1668B	--	16800 J	--	13000 J	--	--	--
PCB-093/100	E1668B	--	27.2 U	--	16 UJ	--	--	--
PCB-094	E1668B	--	578	--	3260 J	--	--	--
PCB-095	E1668B	--	71400 J	--	50700 J	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2060	Spring Surface Sediment 2061	Spring Surface Sediment 2062	Spring Surface Sediment 2063	Spring Surface Sediment 2064	Spring Surface Sediment 2065
		Tributary	English Kills	English Kills	Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek
		River Mile	0.92	0.92	0.03	0.03	0.07	0.1
		Location ID	EK021SG_20120508	EK021SG_20120508	MC001SG_20120424	MC001SG_20120424	MC002SG_20120507	MC003SG_20120507
		Sample ID	EK021SG-000003-20120508	EK021SG-000013-20120508	MC001SG-000003-20120424	MC001SG-000010-20120424	MC002SG-000015-20120507	MC003SG-000015-20120507
		Sample Date	5/8/2012	5/8/2012	4/24/2012	4/24/2012	5/7/2012	5/7/2012
		Sample Depth	0 - 3 cm	0 - 13 cm	0 - 3 cm	0 - 10 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	6.6	6.6	4.1	4.1	4.3	3.5
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-096	E1668B	--	1200	--	2330 J	--	--	--
PCB-098	E1668B	--	--	--	--	--	--	--
PCB-098/102	E1668B	--	3760	--	33400 J	--	--	--
PCB-099	E1668B	--	49100 J	--	97400 J	--	--	--
PCB-102	E1668B	--	--	--	--	--	--	--
PCB-103	E1668B	--	532	--	7710 J	--	--	--
PCB-104	E1668B	--	13.6 U	--	2260 J	--	--	--
PCB-105	E1668B	--	38000 J	--	17600 J	--	--	--
PCB-106	E1668B	--	27.1 U	--	33.5 UJ	--	--	--
PCB-107/124	E1668B	--	3590	--	1940 J	--	--	--
PCB-109	E1668B	--	5710	--	2930 J	--	--	--
PCB-110	E1668B	--	--	--	--	--	--	--
PCB-110/115	E1668B	--	107000 J	--	66900 J	--	--	--
PCB-111	E1668B	--	708	--	11.4 UJ	--	--	--
PCB-112	E1668B	--	16.9 U	--	11.7 UJ	--	--	--
PCB-114	E1668B	--	2570	--	1110	--	--	--
PCB-115	E1668B	--	--	--	--	--	--	--
PCB-117	E1668B	--	--	--	--	--	--	--
PCB-118	E1668B	--	85100 J	--	51800 J	--	--	--
PCB-120	E1668B	--	86.9	--	601 J	--	--	--
PCB-121	E1668B	--	19.2 U	--	11.2 UJ	--	--	--
PCB-122	E1668B	--	1240	--	547 J	--	--	--
PCB-123	E1668B	--	2140	--	2330	--	--	--
PCB-126	E1668B	--	882	--	40.9 U	--	--	--
PCB-127	E1668B	--	161	--	149 J	--	--	--
PCB-128/166	E1668B	--	13600	--	14100 J	--	--	--
PCB-129/138/163	E1668B	--	81300 J	--	146000 J	--	--	--
PCB-130	E1668B	--	5190	--	4990	--	--	--
PCB-131	E1668B	--	1420	--	1330	--	--	--
PCB-132	E1668B	--	28000 J	--	33200 J	--	--	--
PCB-133	E1668B	--	1050	--	2120	--	--	--
PCB-134	E1668B	--	4660	--	7550 J	--	--	--
PCB-135/151	E1668B	--	23200 J	--	70300 J	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2060	Spring Surface Sediment 2061	Spring Surface Sediment 2062	Spring Surface Sediment 2063	Spring Surface Sediment 2064	Spring Surface Sediment 2065
		Tributary	English Kills	English Kills	Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek
		River Mile	0.92	0.92	0.03	0.03	0.07	0.1
		Location ID	EK021SG_20120508	EK021SG_20120508	MC001SG_20120424	MC001SG_20120424	MC002SG_20120507	MC003SG_20120507
		Sample ID	EK021SG-000003-20120508	EK021SG-000013-20120508	MC001SG-000003-20120424	MC001SG-000010-20120424	MC002SG-000015-20120507	MC003SG-000015-20120507
		Sample Date	5/8/2012	5/8/2012	4/24/2012	4/24/2012	5/7/2012	5/7/2012
		Sample Depth	0 - 3 cm	0 - 13 cm	0 - 3 cm	0 - 10 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	6.6	6.6	4.1	4.1	4.3	3.5
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-136	E1668B	--	10300 J	--	27100 J	--	--	--
PCB-137	E1668B	--	4630	--	4150	--	--	--
PCB-139/140	E1668B	--	1490	--	2900	--	--	--
PCB-141	E1668B	--	14800 J	--	20200 J	--	--	--
PCB-142	E1668B	--	25.1 U	--	26.2 U	--	--	--
PCB-143	E1668B	--	22.7 U	--	24.4 U	--	--	--
PCB-144	E1668B	--	3670	--	5410	--	--	--
PCB-145	E1668B	--	32.6 J	--	14.9	--	--	--
PCB-146	E1668B	--	10800 J	--	27900 J	--	--	--
PCB-147/149	E1668B	--	59400 J	--	221000 J	--	--	--
PCB-148	E1668B	--	19 U	--	2380	--	--	--
PCB-150	E1668B	--	81.8	--	4700	--	--	--
PCB-152	E1668B	--	86.6	--	2450	--	--	--
PCB-153/168	E1668B	--	57800 J	--	260000 J	--	--	--
PCB-154	E1668B	--	518	--	29200 J	--	--	--
PCB-155	E1668B	--	13.3 U	--	712	--	--	--
PCB-156/157	E1668B	--	11400	--	10600	--	--	--
PCB-158	E1668B	--	8780	--	12800 J	--	--	--
PCB-159	E1668B	--	21.1 U	--	16.9 U	--	--	--
PCB-160	E1668B	--	19.9 U	--	20.4 U	--	--	--
PCB-161	E1668B	--	17.1 U	--	17.6 U	--	--	--
PCB-162	E1668B	--	19.5 U	--	16 U	--	--	--
PCB-164	E1668B	--	5040	--	9750 J	--	--	--
PCB-165	E1668B	--	19.8 U	--	20.5 U	--	--	--
PCB-167	E1668B	--	3570	--	6520	--	--	--
PCB-169	E1668B	--	130 J	--	275 J	--	--	--
PCB-170	E1668B	--	14800 J	--	34600 J	--	--	--
PCB-171/173	E1668B	--	4630	--	11400	--	--	--
PCB-172	E1668B	--	2490	--	5180	--	--	--
PCB-174	E1668B	--	16300 J	--	38500 J	--	--	--
PCB-175	E1668B	--	549	--	1570	--	--	--
PCB-176	E1668B	--	1780	--	4830	--	--	--
PCB-177	E1668B	--	8320	--	19900 J	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2060	Spring Surface Sediment 2061	Spring Surface Sediment 2062	Spring Surface Sediment 2063	Spring Surface Sediment 2064	Spring Surface Sediment 2065
		Tributary	English Kills	English Kills	Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek
		River Mile	0.92	0.92	0.03	0.03	0.07	0.1
		Location ID	EK021SG_20120508	EK021SG_20120508	MC001SG_20120424	MC001SG_20120424	MC002SG_20120507	MC003SG_20120507
		Sample ID	EK021SG-000003-20120508	EK021SG-000013-20120508	MC001SG-000003-20120424	MC001SG-000010-20120424	MC002SG-000015-20120507	MC003SG-000015-20120507
		Sample Date	5/8/2012	5/8/2012	4/24/2012	4/24/2012	5/7/2012	5/7/2012
		Sample Depth	0 - 3 cm	0 - 13 cm	0 - 3 cm	0 - 10 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	6.6	6.6	4.1	4.1	4.3	3.5
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-178	E1668B	--		2590	--	13300 J	--	--
PCB-179	E1668B	--		5990	--	26400 J	--	--
PCB-180/193	E1668B	--		31800 J	--	86900 J	--	--
PCB-181	E1668B	--		148	--	377	--	--
PCB-182	E1668B	--		19.2 U	--	5.12 U	--	--
PCB-183	E1668B	--		--	--	--	--	--
PCB-183/185	E1668B	--		8880	--	27600 J	--	--
PCB-184	E1668B	--		17.3 U	--	49.2	--	--
PCB-185	E1668B	--		--	--	--	--	--
PCB-186	E1668B	--		15.9 U	--	5.24	--	--
PCB-187	E1668B	--		16500 J	--	78500 J	--	--
PCB-188	E1668B	--		23.9	--	1760	--	--
PCB-189	E1668B	--		611	--	1620 J	--	--
PCB-190	E1668B	--		2800	--	7330 J	--	--
PCB-191	E1668B	--		606	--	1600	--	--
PCB-192	E1668B	--		17.5 U	--	10.7 U	--	--
PCB-194	E1668B	--		7200	--	18700 J	--	--
PCB-195	E1668B	--		2950	--	7620 J	--	--
PCB-196	E1668B	--		3980	--	7450 J	--	--
PCB-197	E1668B	--		--	--	--	--	--
PCB-197/200	E1668B	--		1280	--	3050	--	--
PCB-198/199	E1668B	--		8840	--	17800 J	--	--
PCB-200	E1668B	--		--	--	--	--	--
PCB-201	E1668B	--		1010	--	2370	--	--
PCB-202	E1668B	--		1450	--	4290	--	--
PCB-203	E1668B	--		5280	--	13400 J	--	--
PCB-204	E1668B	--		18.2 U	--	9.36 J	--	--
PCB-205	E1668B	--		360	--	1210	--	--
PCB-206	E1668B	--		3660	--	6850 J	--	--
PCB-207	E1668B	--		424	--	784	--	--
PCB-208	E1668B	--		998	--	1450	--	--
PCB-209	E1668B	--		1730	--	2030	--	--
Total PCB congener (U = 0)	--	--		2650651.8 J	--	2617418.6 J	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2060	Spring Surface Sediment 2061	Spring Surface Sediment 2062	Spring Surface Sediment 2063	Spring Surface Sediment 2064	Spring Surface Sediment 2065
Tributary		English Kills	English Kills	Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek
River Mile		0.92	0.92	0.03	0.03	0.07	0.1
Location ID		EK021SG_20120508	EK021SG_20120508	MC001SG_20120424	MC001SG_20120424	MC002SG_20120507	MC003SG_20120507
Sample ID		EK021SG-000003-20120508	EK021SG-000013-20120508	MC001SG-000003-20120424	MC001SG-000010-20120424	MC002SG-000015-20120507	MC003SG-000015-20120507
Sample Date		5/8/2012	5/8/2012	4/24/2012	4/24/2012	5/7/2012	5/7/2012
Sample Depth		0 - 3 cm	0 - 13 cm	0 - 3 cm	0 - 10 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		6.6	6.6	4.1	4.1	4.3	3.5
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total PCB congener (U = 1/2)	--	--	2650969.06 J	--	2617637.55 J	--	--
Total PCB congener TEQ 1998 (avian) (U = 0)	--	--	506.9 J	--	153.1 J	--	--
Total PCB congener TEQ 1998 (avian) (U = 1/2)	--	--	507.9 J	--	155.2 J	--	--
Total PCB congener TEQ 1998 (fish) (U = 0)	--	--	6 J	--	0.8 J	--	--
Total PCB congener TEQ 1998 (fish) (U = 1/2)	--	--	6 J	--	0.9 J	--	--
Total PCB congener TEQ 2005 (mammal) (U = 0)	--	--	97.2 J	--	11.3 J	--	--
Total PCB congener TEQ 2005 (mammal) (U = 1/2)	--	--	97.2 J	--	13.4 J	--	--
Total Petroleum Hydrocarbons (mg/kg)							
Diesel range organics (C10 - C28)	SW8015M	--	11100	--	6460	5440	11900
Phytane	SW8015M	--	10.7 J	--	10.2	5.92	17.1
Pristane	SW8015M	--	15.3	--	13.1	7.56	21
Total petroleum hydrocarbons (C9-C40)	SW8015M	--	21700	--	14400	11100	22700
Radionuclides (pci/g)							
Beryllium 7	HASL300	1.288	--	0.324 U	--	--	--

Table A4-2
Surface Sediment Analytical Results

	Task	Spring Surface Sediment 2066	Spring Surface Sediment 2067	Spring Surface Sediment 2068	Spring Surface Sediment 2069	Spring Surface Sediment 2070	Spring Surface Sediment 2071
	Tributary	Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek	Newtown Creek
	River Mile	0.1	0.1	0.15	0.2	0.207	0.02
	Location ID	MC004SG_20120507	MC005SG_20120507	MC006SG_20120507	MC007SG_20120509	MC007SG_20120424	NC001SG_20120506
	Sample ID	MC004SG-000015-20120507	MC005SG-000015-20120507	MC006SG-000015-20120507	MC007SG-000010-20120509	MC007SG-000003-20120424	NC001SG-000015-20120506
	Sample Date	5/7/2012	5/7/2012	5/7/2012	5/9/2012	4/24/2012	5/6/2012
	Sample Depth	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm	0 - 3 cm	0 - 15 cm
	Water Column Depth	0.3	5.2	4.3		3.5	15.8
	Sample Type	N	N	N	N	N	N
	Matrix	SE	SE	SE	SE	SE	SE
Conventional Parameters (lb/ft³)							
Density	D7263	68.2	23.2	31.4	23.4	--	28.4
Conventional Parameters (mg/kg)							
Ammonia as nitrogen	SM4500NH3H	48 J	57 J	72 J	24 U	--	42
Cyanide, total	SW9012A	1.5 U	3.3 U	2.6 U	3.2 U	--	2.8 U
Nitrate + nitrite as nitrogen	SM4500NO3F	2.9 J	4.8 J	4.9 J	8.1 U	--	4.9 J
Nitrogen ((No Suggestions))	SM4500NORGC	990	5500	4900	6300	--	4600
Phosphorus	SM4500PE	540 J	1900 J	1200 J	3300 J	--	1400 J
Sulfide	SW9030B	1900 J	9200 J	5400 J	18000 J	--	1900 J
Conventional Parameters (pct)							
Moisture (water) content	D2216	51.4	--	--	220.7	--	--
Moisture, percent	D2216	34.4	--	--	69.8	--	--
Soot carbon	SOOTC	0.266	0.712	0.381	0.464	--	0.539
Total organic carbon	SW9060	2.095	9.95	5.555	7.565	--	2.39
Total solids	SM2540G	65.5	31.2	34.8	30	--	32.7
Conventional Parameters (SU)							
pH	SW9045C	8.1	7.9	7.8	7.8	--	8
Conventional Parameters (unitless)							
Liquid limit	D4318	30	--	--	104	--	--
Plastic limit	D4318	23	--	--	58	--	--
Plasticity index	D4318	7	--	--	46	--	--
Specific gravity	D854	2.58	--	--	2.21	--	--
Grain Size (pct)							
Cobbles	D422	0	0	0	0	--	0
Gravel	D422	1.8	1.6	6.4	2.1	--	0
Sand	D422	88.2	38.1	57.5	60.3	--	5.3
Fines (silt + clay)	D422	10	60.3	36.1	37.6	--	94.7
Percent passing 0.375 inch (3/8 inch sieve)	D422	99	99	95	99	--	--
Percent passing 0.5 inch (1/2 inch sieve)	D422	100	99	98	99	--	--
Percent passing 0.75 inch (3/4 inch sieve)	D422	100	100	100	100	--	--
Percent passing 1 inch (1 inch sieve)	D422	--	--	--	--	--	--
Percent passing 75 micron sieve (#200)	D422	10	60	36	38	--	95
Percent passing 150 micron sieve (#100)	D422	14	80	41	53	--	96

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2066	Spring Surface Sediment 2067	Spring Surface Sediment 2068	Spring Surface Sediment 2069	Spring Surface Sediment 2070	Spring Surface Sediment 2071
		Tributary	Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek	Newtown Creek
		River Mile	0.1	0.1	0.15	0.2	0.207	0.02
		Location ID	MC004SG_20120507	MC005SG_20120507	MC006SG_20120507	MC007SG_20120509	MC007SG_20120424	NC001SG_20120506
		Sample ID	MC004SG-000015-20120507	MC005SG-000015-20120507	MC006SG-000015-20120507	MC007SG-000010-20120509	MC007SG-000003-20120424	NC001SG-000015-20120506
		Sample Date	5/7/2012	5/7/2012	5/7/2012	5/9/2012	4/24/2012	5/6/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm	0 - 3 cm	0 - 15 cm
		Water Column Depth	0.3	5.2	4.3		3.5	15.8
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
Percent passing 250 micron sieve (#60)	D422		33	88	50	68	--	98
Percent passing 425 micron sieve (#40)	D422		67	93	71	78	--	99
Percent passing 850 micron sieve (#20)	D422		88	96	84	86	--	99
Percent passing 2000 micron sieve (#10)	D422		95	98	89	94	--	100
Percent passing 4750 micron sieve (#4)	D422		98	98	94	98	--	100
Metals (mg/kg)								
Aluminum	SW6020A		3490 J	7730 J	4720 J	8470	--	13900 J
Antimony	SW6020A		1.18 J	3.65 J	2.83 J	3.55 J	--	0.332 J
Arsenic	SW6020A		7.42	13.6	4.7	7.84	--	11.7
Barium	SW6020A		71.6	200	115	138	--	70
Beryllium	SW6020A		0.177 J	0.415	0.283 J	0.365	--	0.85
Cadmium	SW6020A		4.16 J	4.18 J	1.69 J	2.68	--	1.16 J
Calcium	SW6020A		17000	21900	16100	20300	--	7780
Chromium	SW6020A		31.8 J	97.7 J	44.7 J	76 J	--	85.8 J
Cobalt	SW6020A		8.49	11.7	43.2	8.19	--	12.2
Copper	SW6020A		272	586	270	367	--	128
Iron	SW6020A		12000	28000	16600	24900	--	37000
Lead	SW6020A		288	464	502	307	--	136
Magnesium	SW6020A		4750	11600	8090	13200	--	9660
Manganese	SW6020A		97.1	157	108	129	--	689
Mercury	E1631M		0.51 J	0.611 J	13 J	0.675 J	--	0.966 J
Nickel	SW6020A		33.8	55.8	27	40.9	--	33.8
Potassium	SW6020A		548	1620	1280	1800	--	3620
Selenium	SW6020A		0.945	1.76	1.28	1.78	--	1.48
Silver	SW6020A		1.88	2.66	1.9	3.36	--	4.02
Sodium	SW6020A		3870 J	12100 J	13000 J	16600 J	--	17100 J
Thallium	SW6020A		0.059 J	0.156 J	0.08 J	0.129 J	--	0.225
Tin	SW6020A		20.9	59.6	27.6	34.2	--	22.4
Vanadium	SW6020A		13.1 J	43.4 J	22.4 J	39.4	--	41.7 J
Zinc	SW6020A		515 J	1410 J	1450 J	991	--	260 J
Organometallic Compounds (µg/kg)								
Methyl mercury	E1630M		0.158 U	--	--	0.242 J	--	--

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2066	Spring Surface Sediment 2067	Spring Surface Sediment 2068	Spring Surface Sediment 2069	Spring Surface Sediment 2070	Spring Surface Sediment 2071
Task		Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek	Newtown Creek
Tributary		0.1	0.1	0.15	0.2	0.207	0.02
River Mile		MC004SG_20120507	MC005SG_20120507	MC006SG_20120507	MC007SG_20120509	MC007SG_20120424	NC001SG_20120506
Location ID		MC004SG-000015-20120507	MC005SG-000015-20120507	MC006SG-000015-20120507	MC007SG-000010-20120509	MC007SG-000003-20120424	NC001SG-000015-20120506
Sample ID		5/7/2012	5/7/2012	5/7/2012	5/9/2012	4/24/2012	5/6/2012
Sample Date		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm	0 - 3 cm	0 - 15 cm
Sample Depth		0.3	5.2	4.3		3.5	15.8
Water Column Depth		N	N	N	N	N	N
Sample Type		SE	SE	SE	SE	SE	SE
Matrix		Volatile Organics (µg/kg)					
1,1,1-Trichloroethane	SW8260B	1.5 U	3.2 U	2.9 U	3.3 U	--	3 U
1,1,2,2-Tetrachloroethane	SW8260B	1.5 U	3.2 U	2.9 U	3.3 U	--	3 U
1,1,2-Trichloroethane	SW8260B	2.3 U	4.8 U	4.3 U	5 U	--	4.6 U
1,1,2-Trichlorotrifluoroethane	SW8260B	30 U	64 U	57 U	67 U	--	61 U
1,1-Dichloroethane	SW8260B	2.3 U	4.8 U	4.3 U	5 U	--	4.6 U
1,1-Dichloroethene	SW8260B	1.5 U	3.2 U	2.9 U	3.3 U	--	3 U
1,2,3-Trichlorobenzene	SW8260B	7.6 U	16 U	14 U	17 U	--	15 U
1,2,4-Trichlorobenzene	SW8260B	7.6 U	16 U	14 U	17 U	--	15 U
1,2-Dibromo-3-chloropropane	SW8260B	7.6 UJ	16 UJ	14 UJ	17 U	--	15 UJ
1,2-Dichlorobenzene	SW8260B	7.6 U	16 U	14 U	17 U	--	15 U
1,2-Dichloroethane	SW8260B	1.5 U	3.2 U	2.9 U	3.3 U	--	3 U
1,2-Dichloroethene, cis-	SW8260B	1 J	1.2 J	3.2	2.4 J	--	3 U
1,2-Dichloroethene, trans-	SW8260B	2.3 U	4.8 U	4.3 U	5 U	--	4.6 U
1,2-Dichloropropane	SW8260B	5.3 U	11 U	10 U	12 U	--	11 U
1,3-Dichlorobenzene	SW8260B	7.6 U	16 U	14 U	17 U	--	15 U
1,3-Dichloropropene, cis-	SW8260B	1.5 U	3.2 U	2.9 U	3.3 U	--	3 U
1,3-Dichloropropene, trans-	SW8260B	1.5 U	3.2 U	2.9 U	3.3 U	--	3 U
1,4-Dichlorobenzene	SW8260B	7.6 U	3.6 J	13 J	9.3 J	--	15 U
2-Butanone (MEK)	SW8260B	63	93	200	78	--	60
2-Hexanone (methyl butyl ketone)	SW8260B	15 U	32 U	29 U	33 U	--	30 U
Acetone	SW8260B	190	340	720 J	340	--	290
Benzene	SW8260B	1.5 U	0.89 J	0.86 J	3.3 U	--	3 U
Bromochloromethane	SW8260B	7.6 U	16 U	14 U	17 U	--	15 U
Bromodichloromethane	SW8260B	1.5 U	3.2 U	2.9 U	3.3 U	--	3 U
Bromoform (tribromomethane)	SW8260B	6.1 U	13 U	11 U	13 U	--	12 U
Bromomethane (methyl bromide)	SW8260B	3 UJ	6.4 UJ	5.7 UJ	6.7 U	--	6.1 UJ
Carbon disulfide	SW8260B	39	84	93	37	--	47
Carbon tetrachloride (tetrachloromethane)	SW8260B	1.5 U	3.2 U	2.9 U	3.3 U	--	3 U
Chlorobenzene	SW8260B	9.8	1.1 J	5.2	1.9 J	--	3 U
Chloroethane	SW8260B	3 U	6.4 U	5.7 U	6.7 U	--	6.1 U
Chloroform	SW8260B	2.3 U	4.8 U	4.3 U	5 U	--	4.6 U

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2066	Spring Surface Sediment 2067	Spring Surface Sediment 2068	Spring Surface Sediment 2069	Spring Surface Sediment 2070	Spring Surface Sediment 2071
		Tributary	Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek	Newtown Creek
		River Mile	0.1	0.1	0.15	0.2	0.207	0.02
		Location ID	MC004SG_20120507	MC005SG_20120507	MC006SG_20120507	MC007SG_20120509	MC007SG_20120424	NC001SG_20120506
		Sample ID	MC004SG-000015-20120507	MC005SG-000015-20120507	MC006SG-000015-20120507	MC007SG-000010-20120509	MC007SG-000003-20120424	NC001SG-000015-20120506
		Sample Date	5/7/2012	5/7/2012	5/7/2012	5/9/2012	4/24/2012	5/6/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm	0 - 3 cm	0 - 15 cm
		Water Column Depth	0.3	5.2	4.3		3.5	15.8
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
Chloromethane	SW8260B		7.6 U	16 U	14 U	17 U	--	15 U
Cyclohexane	SW8260B		30 U	64 U	57 U	67 U	--	61 U
Dibromochloromethane	SW8260B		1.5 U	3.2 U	2.9 U	3.3 U	--	3 U
Dichlorodifluoromethane	SW8260B		15 U	32 U	29 U	33 U	--	30 U
Dichloromethane (methylene chloride)	SW8260B		15 U	32 U	29 U	33 U	--	30 U
Ethylbenzene	SW8260B		1.5 U	3.2 U	4.8	3.3 U	--	3 U
Ethylene dibromide (1,2-Dibromoethane)	SW8260B		6.1 U	13 U	11 U	13 U	--	12 U
Isopropylbenzene (cumene)	SW8260B		1.3 J	0.83 J	1 J	1.4 J	--	3 U
m,p-Xylene	SW8260B		3 U	6.4 U	5.7 U	6.7 U	--	6.1 U
Methyl acetate	SW8260B		30 U	64 U	57 U	67 U	--	61 U
Methyl isobutyl ketone (4-methyl-2-pentanone [MIBK])	SW8260B		15 U	6.1 J	15 J	33 U	--	30 U
Methyl tert-butyl ether (MTBE)	SW8260B		3 U	6.4 U	5.7 U	6.7 U	--	6.1 U
Methylcyclohexane	SW8260B		18	13 U	11 U	13 U	--	12 U
o-Xylene	SW8260B		3 U	6.4 U	2.1 J	6.7 U	--	6.1 U
Styrene	SW8260B		3 U	6.4 U	5.7 U	6.7 U	--	6.1 U
Tetrachloroethene (PCE)	SW8260B		1.5 U	3.2 U	2.9 U	3.3 U	--	3 U
Toluene	SW8260B		2.3 U	1.3 J	14	1.9 J	--	0.64 J
Total BTEX (U = 0)	--		3 U	2.19 J	21.76 J	1.9 J	--	0.64 J
Total BTEX (U = 1/2)	--		3 U	10.19 J	24.61 J	11.9 J	--	9.74 J
Total xylene (U = 0)	--		3 U	6.4 U	2.1 J	6.7 U	--	6.1 U
Total xylene (U = 1/2)	--		3 U	6.4 U	5 J	6.7 U	--	6.1 U
Trichloroethene (TCE)	SW8260B		1.5 U	3.2 U	4.6	3.3 U	--	3 U
Trichlorofluoromethane (fluorotrichloromethane)	SW8260B		7.6 U	16 U	14 U	17 U	--	15 U
Vinyl acetate	SW8260B		15 U	32 U	29 U	33 U	--	30 U
Vinyl chloride	SW8260B		3 U	6.4 U	5.7 U	6.7 U	--	6.1 U
Semivolatile Organics (µg/kg)								
1,2,4,5-Tetrachlorobenzene	SW8270C		980 U	2100 U	1600 U	1000 U	--	490 U
1,4-Dioxane	SW8270C		2000 U	4100 U	3200 U	2100 UJ	--	990 U
2,3,4,6-Tetrachlorophenol	SW8270C		980 U	2100 U	1600 U	1000 UJ	--	490 U
2,4,5-Trichlorophenol	SW8270C		980 U	2100 U	1600 U	1000 UJ	--	490 U
2,4,6-Trichlorophenol	SW8270C		980 U	2100 U	1600 U	1000 UJ	--	490 U

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2066	Spring Surface Sediment 2067	Spring Surface Sediment 2068	Spring Surface Sediment 2069	Spring Surface Sediment 2070	Spring Surface Sediment 2071
Tributary		Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek	Newtown Creek
River Mile		0.1	0.1	0.15	0.2	0.207	0.02
Location ID		MC004SG_20120507	MC005SG_20120507	MC006SG_20120507	MC007SG_20120509	MC007SG_20120424	NC001SG_20120506
Sample ID		MC004SG-000015-20120507	MC005SG-000015-20120507	MC006SG-000015-20120507	MC007SG-000010-20120509	MC007SG-000003-20120424	NC001SG-000015-20120506
Sample Date		5/7/2012	5/7/2012	5/7/2012	5/9/2012	4/24/2012	5/6/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm	0 - 3 cm	0 - 15 cm
Water Column Depth		0.3	5.2	4.3		3.5	15.8
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
2,4-Dichlorophenol	SW8270C	200 U	420 U	320 U	210 UJ	--	99 U
2,4-Dimethylphenol	SW8270C	-- R	-- R	-- R	1000 UJ	--	490 UJ
2,4-Dinitrophenol	SW8270C	5000 U	11000 U	8200 U	5300 UJ	--	2500 UJ
2,4-Dinitrotoluene	SW8270C	980 U	2100 U	1600 U	1000 UJ	--	490 U
2,6-Dinitrotoluene	SW8270C	980 U	2100 U	1600 U	1000 U	--	490 U
2-Chloronaphthalene	SW8270C	200 U	420 U	320 U	210 UJ	--	99 U
2-Chlorophenol	SW8270C	980 U	2100 U	1600 U	1000 UJ	--	490 U
2-Methylnaphthalene	SW8270C	110 J	130 J	110 J	75 J	--	110
2-Methylphenol (o-Cresol)	SW8270C	980 UJ	2100 UJ	1600 UJ	1000 U	--	490 U
2-Nitroaniline	SW8270C	5000 U	11000 U	8200 U	5300 U	--	2500 U
2-Nitrophenol	SW8270C	980 U	2100 U	1600 U	1000 UJ	--	490 U
3,3'-Dichlorobenzidine	SW8270C	980 U	2100 U	1600 U	1000 UJ	--	490 UJ
3-methylphenol and 4-methylphenol (m&p-cresol)	SW8270C	190 J	280 J	5600	330 J	--	490 U
3-Nitroaniline	SW8270C	5000 U	11000 U	8200 U	5300 U	--	2500 U
4-Bromophenyl-phenyl ether	SW8270C	980 U	2100 U	1600 U	1000 U	--	490 U
4-Chloro-3-methylphenol	SW8270C	980 U	2100 U	1600 U	1000 UJ	--	490 U
4-Chloroaniline	SW8270C	170 J	240 J	1600 U	180 J	--	490 U
4-Chlorophenyl phenyl ether	SW8270C	980 U	2100 U	1600 U	1000 UJ	--	490 U
4-Nitroaniline	SW8270C	5000 U	11000 U	8200 U	5300 UJ	--	2500 UJ
4-Nitrophenol	SW8270C	5000 UJ	11000 UJ	8200 UJ	5300 UJ	--	2500 UJ
Acenaphthene	SW8270C	290	360 J	160 J	270 J	--	110
Acenaphthylene	SW8270C	150 J	190 J	53 J	120 J	--	260
Acetophenone	SW8270C	980 U	2100 U	130 J	91 J	--	490 U
Anthracene	SW8270C	500	730	270 J	490 J	--	380
Atrazine	SW8270C	980 U	2100 U	1600 U	1000 UJ	--	490 UJ
Benzaldehyde	SW8270C	610 J	1300 J	1100 J	400 J	--	120 J
Benzo(a)anthracene	SW8270C	1200 J	3300 J	1100	2600 J	--	1200
Benzo(a)pyrene	SW8270C	1400 J	3000 J	1100 J	3000	--	1400
Benzo(b)fluoranthene	SW8270C	2100 J	4600 J	2100 J	4300 J	--	1200
Benzo(g,h,i)perylene	SW8270C	770 J	2000 J	630 J	2300 J	--	740
Benzo(k)fluoranthene	SW8270C	830 J	1800 J	980 J	1200	--	360
Biphenyl (1,1'-Biphenyl)	SW8270C	980 UJ	2100 UJ	1600 UJ	1000 UJ	--	490 U

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2066	Spring Surface Sediment 2067	Spring Surface Sediment 2068	Spring Surface Sediment 2069	Spring Surface Sediment 2070	Spring Surface Sediment 2071
		Tributary	Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek	Newtown Creek
		River Mile	0.1	0.1	0.15	0.2	0.207	0.02
		Location ID	MC004SG_20120507	MC005SG_20120507	MC006SG_20120507	MC007SG_20120509	MC007SG_20120424	NC001SG_20120506
		Sample ID	MC004SG-000015-20120507	MC005SG-000015-20120507	MC006SG-000015-20120507	MC007SG-000010-20120509	MC007SG-000003-20120424	NC001SG-000015-20120506
		Sample Date	5/7/2012	5/7/2012	5/7/2012	5/9/2012	4/24/2012	5/6/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm	0 - 3 cm	0 - 15 cm
		Water Column Depth	0.3	5.2	4.3		3.5	15.8
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
bis(2-Chloroethoxy)methane	SW8270C		980 U	2100 U	1600 U	1000 U	--	490 U
bis(2-Chloroethyl)ether	SW8270C		200 U	420 U	320 U	210 UJ	--	99 U
bis(2-Chloroisopropyl)ether	SW8270C		200 UJ	420 UJ	320 UJ	210 U	--	99 U
Bis(2-ethylhexyl)phthalate	SW8270C		30000 J	28000 J	13000	22000	--	1400
Butylbenzyl phthalate	SW8270C		980 U	420 J	1600 U	1000	--	110 J
Caprolactam	SW8270C		5000 U	11000 U	8200 U	5300 UJ	--	2500 UJ
Carbazole	SW8270C		190 J	420	160 J	310	--	44 J
Chrysene	SW8270C		1700 J	4200 J	1200	3400 J	--	1100
Dibenzo(a,h)anthracene	SW8270C		640 J	1400 J	920 J	440 J	--	220
Dibenzofuran	SW8270C		130 J	2100 U	1600 U	140 J	--	490 U
Diethyl phthalate	SW8270C		980 U	2100 U	1600 U	1000 UJ	--	490 U
Dimethyl phthalate	SW8270C		980 U	2100 U	180 J	190 J	--	490 U
Di-n-butyl phthalate	SW8270C		980 U	300 J	350 J	350 J	--	490 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)	SW8270C		5000 UJ	11000 UJ	8200 UJ	5300 UJ	--	2500 U
Di-n-octyl phthalate	SW8270C		570 J	1700 J	400 J	1200	--	490 U
Fluoranthene	SW8270C		3600	8100	2700	6000 J	--	1200
Fluorene	SW8270C		170 J	350 J	150 J	300 J	--	130
Hexachlorobenzene	SW8270C		200 U	420 U	320 U	210 UJ	--	99 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270C		200 U	420 U	320 U	210 UJ	--	99 U
Hexachlorocyclopentadiene	SW8270C		980 U	2100 U	1600 U	1000 U	--	490 U
Hexachloroethane	SW8270C		980 U	2100 U	1600 U	1000 U	--	490 U
Indeno(1,2,3-c,d)pyrene	SW8270C		970 J	2300 J	1100 J	2200 J	--	610
Isophorone	SW8270C		980 U	2100 U	1600 U	1000 U	--	490 U
Naphthalene	SW8270C		170 J	180 J	100 J	110 J	--	180
Nitrobenzene	SW8270C		2000 U	4100 U	3200 U	2100 U	--	990 U
N-Nitrosodi-N-propylamine	SW8270C		200 UJ	420 UJ	320 UJ	210 U	--	99 U
N-Nitrosodiphenylamine	SW8270C		980 U	2100 U	1600 U	1000 U	--	490 U
Pentachlorophenol	SW8270C		980 UJ	2100 UJ	1600 UJ	1000 UJ	--	490 U
Phenanthrene	SW8270C		1600	3000	1100	2200 J	--	660
Phenol	SW8270C		200 U	420 U	230 J	210 U	--	99 U
Pyrene	SW8270C		1800 J	4700 J	1700	5700	--	2000

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2066	Spring Surface Sediment 2067	Spring Surface Sediment 2068	Spring Surface Sediment 2069	Spring Surface Sediment 2070	Spring Surface Sediment 2071
Tributary		Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek	Newtown Creek
River Mile		0.1	0.1	0.15	0.2	0.207	0.02
Location ID		MC004SG_20120507	MC005SG_20120507	MC006SG_20120507	MC007SG_20120509	MC007SG_20120424	NC001SG_20120506
Sample ID		MC004SG-000015-20120507	MC005SG-000015-20120507	MC006SG-000015-20120507	MC007SG-000010-20120509	MC007SG-000003-20120424	NC001SG-000015-20120506
Sample Date		5/7/2012	5/7/2012	5/7/2012	5/9/2012	4/24/2012	5/6/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm	0 - 3 cm	0 - 15 cm
Water Column Depth		0.3	5.2	4.3		3.5	15.8
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total cresol (o,m,p) (U = 0)	--	190 J	280 J	5600 J	330 J	--	490 U
Total cresol (o,m,p) (U = 1/2)	--	680 J	1330 J	6400 J	830 J	--	490 U
Polycyclic Aromatic Hydrocarbons (µg/kg)							
1,6,7-Trimethylnaphthalene	SW8270CMSIM	458	500	306	362	--	45
1-Methyldibenzothiophene	SW8270CMSIM	85.9	110 J	57 J	79.6 J	--	32.3
1-Methylnaphthalene	SW8270CMSIM	199	389	242	120	--	219
1-Methylphenanthrene	SW8270CMSIM	440	1060	662	598	--	285
2,6-Dimethylnaphthalene	SW8270CMSIM	403	853	774	438	--	242
2-Methylantracene	SW8270CMSIM	141	232	171	131	--	164
2-Methyldibenzothiophene and 3-methyldibenzothiophene	SW8270CMSIM	228	300	194	98.9 J	--	103
2-Methylnaphthalene	SW8270CMSIM	311	453	347	154	--	346
2-Methylphenanthrene	SW8270CMSIM	279	865	631	462	--	258
4-Methyldibenzothiophene	SW8270CMSIM	344	316	184	217	--	105
4-Methylphenanthrene and 9-methylphenanthrene	SW8270CMSIM	639	1070	622	631	--	334
Acenaphthene	SW8270CMSIM	511	1470	452	441	--	322
Acenaphthylene	SW8270CMSIM	141	463	168	213	--	386
Anthracene	SW8270CMSIM	702	1750	931	964	--	603
Benzo(a)anthracene	SW8270CMSIM	1820	7790	2880	4020	--	1620
Benzo(a)pyrene	SW8270CMSIM	1570	7910	3260	5070	--	2120
Benzo(b)fluoranthene	SW8270CMSIM	1860	8860	3660	6220	--	1630
Benzo(e)pyrene	SW8270CMSIM	1430	7010	2770	4540	--	1420
Benzo(g,h,i)perylene	SW8270CMSIM	1260	6400	2580	4100	--	1250
Benzo(j,k)fluoranthene	SW8270CMSIM	1530	7440	2830	4640	--	1610
Benzonaphthothiophene	SW8270CMSIM	580	2270	998	1840	--	433
Benzothiophene	SW8270CMSIM	24 J	127 U	86.4 U	108 U	--	18.2 J
Carbazole	SW8270CMSIM	356	1120	434	502	--	56.2
Chrysene	SW8270CMSIM	2330	10200	4240	6190	--	1840
Decalin, cis and trans-	SW8270CMSIM	154	648	394	354	--	16.7
Dibenzo(a,h)anthracene and dibenzo(a,c)anthracene	SW8270CMSIM	392	1910	731	1000	--	394
Dibenzothiophene	SW8270CMSIM	237	720	296	357	--	172

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2066	Spring Surface Sediment 2067	Spring Surface Sediment 2068	Spring Surface Sediment 2069	Spring Surface Sediment 2070	Spring Surface Sediment 2071
Tributary		Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek	Newtown Creek
River Mile		0.1	0.1	0.15	0.2	0.207	0.02
Location ID		MC004SG_20120507	MC005SG_20120507	MC006SG_20120507	MC007SG_20120509	MC007SG_20120424	NC001SG_20120506
Sample ID		MC004SG-000015-20120507	MC005SG-000015-20120507	MC006SG-000015-20120507	MC007SG-000010-20120509	MC007SG-000003-20120424	NC001SG-000015-20120506
Sample Date		5/7/2012	5/7/2012	5/7/2012	5/9/2012	4/24/2012	5/6/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm	0 - 3 cm	0 - 15 cm
Water Column Depth		0.3	5.2	4.3		3.5	15.8
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Fluoranthene	SW8270CMSIM	4710	20200	7440	13300	--	2280
Fluorene	SW8270CMSIM	387	1200	442	456	--	233
Indeno(1,2,3-c,d)pyrene	SW8270CMSIM	1260	6320	2410	4270	--	1280
Naphthalene	SW8270CMSIM	627	521	296	251	--	477
Perylene	SW8270CMSIM	422	2120	795	1260	--	737
Phenanthrene	SW8270CMSIM	2730	10200	4030	3990	--	1400
Pyrene	SW8270CMSIM	4210	17000	6720	10800	--	2770
Retene	SW8270CMSIM	464	668	86.4 U	108 U	--	232
Total benzofluoranthenes (U = 0)	--	3390	16300	6490	10860	--	3240
Total benzofluoranthenes (U = 1/2)	--	3390	16300	6490	10860	--	3240
Total cPAH TEQ (USEPA 1993) (U = 0)	--	2473.63	12201.6	4918.54	7573.59	--	2984.94
Total cPAH TEQ (USEPA 1993) (U = 1/2)	--	2473.63	12201.6	4918.54	7573.59	--	2984.94
Total HPAH (9 of 16) (U = 0)	--	20942	94030	36751	59610	--	16794
Total HPAH (9 of 16) (U = 1/2)	--	20942	94030	36751	59610	--	16794
Total LPAH (7 of 16) (U = 0)	--	5409	16057	6666	6469	--	3767
Total LPAH (7 of 16) (U = 1/2)	--	5409	16057	6666	6469	--	3767
Total PAH (16) (U = 0)	--	26351	110087	43417	66079	--	20561
Total PAH (16) (U = 1/2)	--	26351	110087	43417	66079	--	20561
Alkylated Polycyclic Aromatic Hydrocarbons (µg/kg)							
C1-Benzo(a)anthracenes/chrysenes	SW8270CMSIM	1390	3940	1860	2380	--	1510
C1-Benzo(b)thiophenes	SW8270CMSIM	63.4	138	103	91.5 J	--	45.2
C1-Decalins	SW8270CMSIM	524	1420	848	843	--	43.3
C1-Dibenzothiophenes	SW8270CMSIM	704	801	479	448	--	279
C1-Fluoranthenes/Pyrenes	SW8270CMSIM	2280	6470	2820	4890	--	2420
C1-Fluorenes	SW8270CMSIM	516	783	562	387	--	230
C1-Naphthalenes	SW8270CMSIM	310	511	354	193	--	342
C1-Phenanthrenes/Anthracenes	SW8270CMSIM	2270	4430	2690	2730	--	1260
C2-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	1150	2850	1560	1970	--	857
C2-Benzo(b)thiophenes	SW8270CMSIM	79.2	116 J	86.3 J	104 J	--	46.8
C2-Decalins	SW8270CMSIM	670	1890	1210	1480	--	118
C2-Dibenzothiophenes	SW8270CMSIM	1280	1380	811	1230	--	346
C2-Fluorenes	SW8270CMSIM	1630	2120	1470	1680	--	278
C2-Naphthalenes	SW8270CMSIM	917	1530	1330	942	--	452

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2066	Spring Surface Sediment 2067	Spring Surface Sediment 2068	Spring Surface Sediment 2069	Spring Surface Sediment 2070	Spring Surface Sediment 2071
Tributary		Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek	Newtown Creek
River Mile		0.1	0.1	0.15	0.2	0.207	0.02
Location ID		MC004SG_20120507	MC005SG_20120507	MC006SG_20120507	MC007SG_20120509	MC007SG_20120424	NC001SG_20120506
Sample ID		MC004SG-000015-20120507	MC005SG-000015-20120507	MC006SG-000015-20120507	MC007SG-000010-20120509	MC007SG-000003-20120424	NC001SG-000015-20120506
Sample Date		5/7/2012	5/7/2012	5/7/2012	5/9/2012	4/24/2012	5/6/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm	0 - 3 cm	0 - 15 cm
Water Column Depth		0.3	5.2	4.3		3.5	15.8
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
C2-Phenanthrenes/Anthracenes	SW8270CMSIM	3090	4600	2850	3520	--	948
C3-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	994	2870	1700	2220	--	505
C3-Benzo(b)thiophenes	SW8270CMSIM	178	208	130	200	--	57.4
C3-Decalins	SW8270CMSIM	483	1120	750	894	--	129
C3-Dibenzothiophenes	SW8270CMSIM	1190	1660	925	1580	--	294
C3-Fluorenes	SW8270CMSIM	1770	3110	1870	2680	--	315
C3-Naphthalenes	SW8270CMSIM	2570	3080	2230	2340	--	349
C3-Phenanthrenes/Anthracenes	SW8270CMSIM	1720	2490	1520	2640	--	484
C4-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	610	1820	1440	1630	--	264
C4-Benzo(b)thiophenes	SW8270CMSIM	172	190	116	248	--	34.4
C4-Decalins	SW8270CMSIM	744	1370	944	1460	--	182
C4-Dibenzothiophenes	SW8270CMSIM	615	1130	676	1160	--	155
C4-Naphthalenes	SW8270CMSIM	2260	2690	1750	2420	--	226
C4-Phenanthrenes/Anthracenes	SW8270CMSIM	676	1170	664	1410	--	236
n-Alkanes and Isoprenoids (µg/kg)							
2,6,10-Trimethyldodecane	SW8015M	1240 J	2400 J	2350 J	1720 J	--	1220 U
2,6,10-Trimethyltridecane	SW8015M	2980 J	5800 J	4710 J	4960 J	--	657 J
n-Decane (C10)	SW8015M	1800 U	8460 U	5760 U	7180 U	--	1220 U
n-Docosane (C22)	SW8015M	403 J	1370 J	4570 J	1920 J	--	172 J
n-Dodecane (C12)	SW8015M	1800 U	8460 U	2820 J	7180 U	--	1220 U
n-Dotriacontane (C32)	SW8015M	1800 U	4910 J	7150	16200	--	421 J
n-Eicosane (C20)	SW8015M	784 J	2760 J	7390	4500 J	--	267 J
n-Heneicosane (C21)	SW8015M	630 J	2120 J	8890	1800 J	--	212 J
n-Hentriacontane (C31)	SW8015M	5020	28200	44200	25700	--	2120
n-Heptacosane (C27)	SW8015M	1730 J	11500	22100	21700	--	1660
n-Heptadecane (C17)	SW8015M	1880	3580 J	9070	7180 U	--	493 J
n-Heptatriacontane (C37)	SW8015M	779 J	4000 J	4060 J	3810 J	--	422 J
n-Hexacosane (C26)	SW8015M	1760 J	3820 J	9880	5760 J	--	404 J
n-Hexadecane (C16)	SW8015M	1530 J	2040 J	8370	1740 J	--	1220 U
n-Hexatriacontane (C36)	SW8015M	608 J	5760 J	6910	4040 J	--	885 J
n-Nonacosane (C29)	SW8015M	1620 J	15800	53100	45200	--	1690
n-Nonadecane (C19)	SW8015M	898 J	2760 J	6220	7180 U	--	1220 U
n-Nonane (C9)	SW8015M	1800 U	8460 U	5760 U	7180 U	--	1220 U

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2066	Spring Surface Sediment 2067	Spring Surface Sediment 2068	Spring Surface Sediment 2069	Spring Surface Sediment 2070	Spring Surface Sediment 2071
Tributary		Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek	Newtown Creek
River Mile		0.1	0.1	0.15	0.2	0.207	0.02
Location ID		MC004SG_20120507	MC005SG_20120507	MC006SG_20120507	MC007SG_20120509	MC007SG_20120424	NC001SG_20120506
Sample ID		MC004SG-000015-20120507	MC005SG-000015-20120507	MC006SG-000015-20120507	MC007SG-000010-20120509	MC007SG-000003-20120424	NC001SG-000015-20120506
Sample Date		5/7/2012	5/7/2012	5/7/2012	5/9/2012	4/24/2012	5/6/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm	0 - 3 cm	0 - 15 cm
Water Column Depth		0.3	5.2	4.3		3.5	15.8
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
n-Nonatriacontane (C39)	SW8015M	1800 U	8460 U	3810 J	3480 J	--	1220 U
n-Octacosane (C28)	SW8015M	1800 U	8460 U	6910	4650 J	--	267 J
n-Octadecane (C18)	SW8015M	4330 J	13600 J	11400 J	8350 J	--	1510 J
n-Octatriacontane (C38)	SW8015M	921 J	4810 J	4530 J	4420 J	--	437 J
Norpristane	SW8015M	3670	7590 J	6010	5010 J	--	1220 U
n-Pentacosane (C25)	SW8015M	5790 J	24400 J	23100 J	11400 J	--	3260 J
n-Pentadecane (C15)	SW8015M	1150 J	3630 J	8190	5110 J	--	193 J
n-Pentatriacontane (C35)	SW8015M	1640 J	5110 J	6730	8400	--	442 J
n-Tetracontane (C40)	SW8015M	1800 U	3320 J	2400 J	5140 J	--	1220 U
n-Tetracosane (C24)	SW8015M	1800 U	2770 J	4820 J	2280 J	--	1220 U
n-Tetradecane (C14)	SW8015M	581 J	2280 J	5530 J	7180 U	--	1220 U
n-Tetratriacontane (C34)	SW8015M	1800 U	8460 U	7150	8430	--	315 J
n-Triacontane (C30)	SW8015M	1140 J	4530 J	9590	7920	--	641 J
n-Tricosane (C23)	SW8015M	1800 U	3700 J	5040 J	2540 J	--	563 J
n-Tridecane (C13)	SW8015M	1800 U	8460 U	4100 J	7180 U	--	1220 U
n-Tritriacontane (C33)	SW8015M	948 J	8380 J	15500	14800	--	1260
n-Undecane (C11)	SW8015M	592 J	8460 U	2280 J	7180 U	--	1220 U
Pesticides (µg/kg)							
2,4'-DDD (o,p'-DDD)	SW8081A	3.3 J	16 J	56 J	72	--	0.25 U
2,4'-DDE (o,p'-DDE)	SW8081A	6 J	2.6 J	5.5 J	4.5 J	--	1.5 J
2,4'-DDT (o,p'-DDT)	SW8081A	0.12 UJ	0.26 UJ	0.11 J	1.3 U	--	0.25 U
4,4'-DDD (p,p'-DDD)	SW8081A	25	5.8 J	8.9 J	18	--	3.8
4,4'-DDE (p,p'-DDE)	SW8081A	15 J	6.3 J	5.6 J	8 J	--	3.7
4,4'-DDT (p,p'-DDT)	SW8081A	4.6 J	5 J	8.9 J	8.7 J	--	1.2
Aldrin	SW8081A	1.6 J	0.2 J	0.27 J	0.74 J	--	0.048 J
alpha-Hexachlorocyclohexane (BHC)	SW8081A	0.03 J	0.26 U	0.2 U	1.3 U	--	0.25 U
Chlordane, alpha- (cis-Chlordane)	SW8081A	0.12 UJ	12	14	33	--	0.25 U
Chlordane, beta- (trans-Chlordane)	SW8081A	0.12 U	0.26 U	0.2 U	1.3 U	--	0.25 U
delta-Hexachlorocyclohexane (BHC)	SW8081A	0.03 J	0.089 J	0.34 J	1.4	--	0.25 U
Dieldrin	SW8081A	0.12 UJ	0.26 U	0.2 U	1.3 U	--	0.25 U
Endosulfan sulfate	SW8081A	0.87 J	0.64 J	4.1 J	1.3 UJ	--	0.28 J
Endosulfan-alpha (I)	SW8081A	0.12 J	0.26 U	0.2 U	1.3 U	--	0.25 U
Endosulfan-beta (II)	SW8081A	1.1 J	0.29 J	4.1 J	3.5 J	--	0.046 J

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2066	Spring Surface Sediment 2067	Spring Surface Sediment 2068	Spring Surface Sediment 2069	Spring Surface Sediment 2070	Spring Surface Sediment 2071
		Tributary	Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek	Newtown Creek
		River Mile	0.1	0.1	0.15	0.2	0.207	0.02
		Location ID	MC004SG_20120507	MC005SG_20120507	MC006SG_20120507	MC007SG_20120509	MC007SG_20120424	NC001SG_20120506
		Sample ID	MC004SG-000015-20120507	MC005SG-000015-20120507	MC006SG-000015-20120507	MC007SG-000010-20120509	MC007SG-000003-20120424	NC001SG-000015-20120506
		Sample Date	5/7/2012	5/7/2012	5/7/2012	5/9/2012	4/24/2012	5/6/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm	0 - 3 cm	0 - 15 cm
		Water Column Depth	0.3	5.2	4.3		3.5	15.8
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
Endrin	SW8081A		1.5 J	0.69 J	1.4 J	1.3 U	--	0.73
Endrin aldehyde	SW8081A		0.12 UJ	0.26 UJ	0.2 UJ	2.7 J	--	0.25 UJ
Endrin ketone	SW8081A		0.8 J	3.4 J	3.9 J	1.3 UJ	--	0.25 J
Heptachlor	SW8081A		11 J	0.26 U	0.2 U	1.1 J	--	0.25 U
Heptachlor epoxide	SW8081A		0.15 J	0.2 J	0.2 UJ	1.3 U	--	0.064 J
Hexachlorobenzene	SW8081A		1.5	1.8	1	2.8	--	0.029 J
Hexachlorocyclohexane, beta- (BHC)	SW8081A		0.33 J	0.26 U	0.17 J	1.1 J	--	0.25 U
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	SW8081A		0.12 U	0.26 U	1.3 J	1.3 U	--	0.25 U
Methoxychlor	SW8081A		0.25 UJ	0.52 UJ	10 J	2.6 UJ	--	0.78 J
Mirex	SW8081A		2.6 J	0.26 UJ	0.2 UJ	0.26 U	--	0.25 U
Nonachlor, cis-	SW8081A		2.7 J	1.3 J	1.5 J	3.8	--	0.14 J
Nonachlor, trans-	SW8081A		5.9 J	2.1 J	2.4 J	0.22 J	--	0.33 J
Oxychlordanes	SW8081A		0.043 J	0.26 UJ	0.2 J	0.51 J	--	0.25 U
Sum DDD (U = 0)	--		28.3 J	21.8 J	64.9 J	90	--	3.8
Sum DDD (U = 1/2)	--		28.3 J	21.8 J	64.9 J	90	--	3.92
Sum DDE (U = 0)	--		21 J	8.9 J	11.1 J	12.5 J	--	5.2 J
Sum DDE (U = 1/2)	--		21 J	8.9 J	11.1 J	12.5 J	--	5.2 J
Sum DDT (U = 0)	--		4.6 J	5 J	9.01 J	8.7 J	--	1.2
Sum DDT (U = 1/2)	--		4.66 J	5.13 J	9.01 J	9.3 J	--	1.32
Total chlordanes (U = 0)	--		8.643 J	15.4 J	18.1 J	37.53 J	--	0.47 J
Total chlordanes (U = 1/2)	--		8.763 J	15.66 J	18.2 J	38.18 J	--	0.85 J
Total DDx (U = 0)	--		53.9 J	35.7 J	85.01 J	111.2 J	--	10.2 J
Total DDx (U = 1/2)	--		53.96 J	35.83 J	85.01 J	111.9 J	--	10.45 J
Toxaphene	SW8081A		5 U	10 U	8 U	52 U	--	9.9 U
Pesticides - High Resolution (µg/kg)								
2,4'-DDD (o,p'-DDD)	E1699		32	--	--	280	--	--
2,4'-DDE (o,p'-DDE)	E1699		1.6	--	--	0.76 U	--	--
2,4'-DDT (o,p'-DDT)	E1699		0.88	--	--	1.5 J	--	--
4,4'-DDD (p,p'-DDD)	E1699		86	--	--	35	--	--
4,4'-DDE (p,p'-DDE)	E1699		29	--	--	25	--	--
4,4'-DDT (p,p'-DDT)	E1699		4.9	--	--	8.5	--	--
Aldrin	E1699		0.1 U	--	--	0.3 U	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2066	Spring Surface Sediment 2067	Spring Surface Sediment 2068	Spring Surface Sediment 2069	Spring Surface Sediment 2070	Spring Surface Sediment 2071
		Tributary	Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek	Newtown Creek
		River Mile	0.1	0.1	0.15	0.2	0.207	0.02
		Location ID	MC004SG_20120507	MC005SG_20120507	MC006SG_20120507	MC007SG_20120509	MC007SG_20120424	NC001SG_20120506
		Sample ID	MC004SG-000015-20120507	MC005SG-000015-20120507	MC006SG-000015-20120507	MC007SG-000010-20120509	MC007SG-000003-20120424	NC001SG-000015-20120506
		Sample Date	5/7/2012	5/7/2012	5/7/2012	5/9/2012	4/24/2012	5/6/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm	0 - 3 cm	0 - 15 cm
		Water Column Depth	0.3	5.2	4.3		3.5	15.8
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
alpha-Hexachlorocyclohexane (BHC)	E1699		0.071 J	--	--	0.3 U	--	--
Chlordane, alpha- (cis-Chlordane)	E1699		65	--	--	48	--	--
Chlordane, beta- (trans-Chlordane)	E1699		75	--	--	52	--	--
delta-Hexachlorocyclohexane (BHC)	E1699		0.12 U	--	--	0.54 U	--	--
Dieldrin	E1699		17	--	--	13	--	--
Endosulfan sulfate	E1699		0.13 U	--	--	0.36 U	--	--
Endosulfan-alpha (I)	E1699		0.65 U	--	--	0.66 U	--	--
Endosulfan-beta (II)	E1699		0.89 U	--	--	4	--	--
Endrin	E1699		0.27 U	--	--	0.71 U	--	--
Endrin aldehyde	E1699		0.29 U	--	--	0.8 U	--	--
Endrin ketone	E1699		0.22 U	--	--	1 U	--	--
Heptachlor	E1699		0.14 J	--	--	0.26 J	--	--
Heptachlor epoxide	E1699		0.42	--	--	1.8 J	--	--
Hexachlorobenzene	E1699		4.2	--	--	7.5	--	--
Hexachlorocyclohexane, beta- (BHC)	E1699		0.11 J	--	--	0.32 U	--	--
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	E1699		0.083 U	--	--	0.37 U	--	--
Methoxychlor	E1699		0.61 U	--	--	1.5 U	--	--
Mirex	E1699		0.48	--	--	0.39 J	--	--
Nonachlor, cis-	E1699		15	--	--	11	--	--
Nonachlor, trans-	E1699		37	--	--	37	--	--
Oxychlordane	E1699		0.071 J	--	--	0.67 J	--	--
Sum DDD high resolution (U = 0)	--		118	--	--	315	--	--
Sum DDD high resolution (U = 1/2)	--		118	--	--	315	--	--
Sum DDE high resolution (U = 0)	--		30.6	--	--	25	--	--
Sum DDE high resolution (U = 1/2)	--		30.6	--	--	25.38	--	--
Sum DDT high resolution (U = 0)	--		5.78	--	--	10 J	--	--
Sum DDT high resolution (U = 1/2)	--		5.78	--	--	10 J	--	--
Total chlordane high resolution (U = 0)	--		192.071 J	--	--	148.67 J	--	--
Total chlordane high resolution (U = 1/2)	--		192.071 J	--	--	148.67 J	--	--
Total DDx high resolution (U = 0)	--		154.38	--	--	350 J	--	--
Total DDx high resolution (U = 1/2)	--		154.38	--	--	350.38 J	--	--
Toxaphene	E1699		12 U	--	--	8.5 U	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2066	Spring Surface Sediment 2067	Spring Surface Sediment 2068	Spring Surface Sediment 2069	Spring Surface Sediment 2070	Spring Surface Sediment 2071
Tributary		Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek	Newtown Creek
River Mile		0.1	0.1	0.15	0.2	0.207	0.02
Location ID		MC004SG_20120507	MC005SG_20120507	MC006SG_20120507	MC007SG_20120509	MC007SG_20120424	NC001SG_20120506
Sample ID		MC004SG-000015-20120507	MC005SG-000015-20120507	MC006SG-000015-20120507	MC007SG-000010-20120509	MC007SG-000003-20120424	NC001SG-000015-20120506
Sample Date		5/7/2012	5/7/2012	5/7/2012	5/9/2012	4/24/2012	5/6/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm	0 - 3 cm	0 - 15 cm
Water Column Depth		0.3	5.2	4.3		3.5	15.8
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Herbicides (µg/kg)							
2,2-Dichloropropionic acid (dalapon)	SW8151A	130 U	280 U	220 U	280 U	--	270 UJ
2,4,5-T (2,4,5-trichlorophenoxyacetic acid)	SW8151A	30 UJ	62 UJ	14 J	62 U	--	60 U
2,4,5-TP (Silvex)	SW8151A	30 U	62 U	48 U	62 U	--	60 U
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	120 UJ	250 UJ	190 UJ	250 U	--	240 U
2,4-DB (2,4-D derivative)	SW8151A	120 U	250 U	190 U	250 U	--	240 U
Dicamba	SW8151A	59 U	120 U	97 U	120 U	--	120 U
Dichlorprop	SW8151A	120 U	33 J	190 U	250 U	--	240 U
Dinoseb	SW8151A	18 UJ	37 UJ	29 UJ	37 UJ	--	36 UJ
Mecoprop (MCP)	SW8151A	12000 U	25000 U	19000 U	25000 U	--	24000 U
Mephanac (MCPA)	SW8151A	12000 U	25000 U	19000 U	25000 U	--	24000 U
Dioxin Furans (ng/kg)							
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	1.36 J	--	--	2.53	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	6.14	--	--	18.1	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	12.5	--	--	38.4	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	37	--	--	97.5	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	24.2	--	--	99.5	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B	882	--	--	2150	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B	7490 J	--	--	15800 J	--	--
Total tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	43.6 J	--	--	48.8 J	--	--
Total pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	76.6 J	--	--	116	--	--
Total hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	278	--	--	793	--	--

Table A4-2
Surface Sediment Analytical Results

		Task Tributary River Mile Location ID Sample ID Sample Date Sample Depth Water Column Depth Sample Type Matrix	Spring Surface Sediment 2066 Maspeth Creek 0.1 MC004SG_20120507 MC004SG-000015-20120507 5/7/2012 0 - 15 cm 0.3 N SE	Spring Surface Sediment 2067 Maspeth Creek 0.1 MC005SG_20120507 MC005SG-000015-20120507 5/7/2012 0 - 15 cm 5.2 N SE	Spring Surface Sediment 2068 Maspeth Creek 0.15 MC006SG_20120507 MC006SG-000015-20120507 5/7/2012 0 - 15 cm 4.3 N SE	Spring Surface Sediment 2069 Maspeth Creek 0.2 MC007SG_20120509 MC007SG-000010-20120509 5/9/2012 0 - 10 cm N SE	Spring Surface Sediment 2070 Maspeth Creek 0.207 MC007SG_20120424 MC007SG-000003-20120424 4/24/2012 0 - 3 cm 3.5 N SE	Spring Surface Sediment 2071 Newtown Creek 0.02 NC001SG_20120506 NC001SG-000015-20120506 5/6/2012 0 - 15 cm 15.8 N SE
Total heptachlorodibenzo-p-dioxin (HpCDD)	E1613B		1450	--	--	3940	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B		7.16	--	--	8.15 J	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B		9.68	--	--	16.5	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B		23.6	--	--	24.3	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B		38.7	--	--	51.2	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B		22 J	--	--	61.7	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B		5.59	--	--	10.4	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B		24.6	--	--	55.7	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B		261	--	--	863	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B		17.1	--	--	44.1	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B		496	--	--	1910	--	--
Total tetrachlorodibenzofuran (TCDF)	E1613B		193 J	--	--	235 J	--	--
Total pentachlorodibenzofuran (PeCDF)	E1613B		278 J	--	--	439 J	--	--
Total hexachlorodibenzofuran (HxCDF)	E1613B		393 J	--	--	1110	--	--
Total heptachlorodibenzofuran (HpCDF)	E1613B		537	--	--	1920	--	--
Total dioxin/furan TEQ 1998 (avian) (U = 0)	--		56.19 J	--	--	98.47 J	--	--
Total dioxin/furan TEQ 1998 (avian) (U = 1/2)	--		56.19 J	--	--	98.47 J	--	--
Total dioxin/furan TEQ 1998 (fish) (U = 0)	--		40.55 J	--	--	86.07 J	--	--
Total dioxin/furan TEQ 1998 (fish) (U = 1/2)	--		40.55 J	--	--	86.07 J	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2066	Spring Surface Sediment 2067	Spring Surface Sediment 2068	Spring Surface Sediment 2069	Spring Surface Sediment 2070	Spring Surface Sediment 2071
Tributary		Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek	Newtown Creek
River Mile		0.1	0.1	0.15	0.2	0.207	0.02
Location ID		MC004SG_20120507	MC005SG_20120507	MC006SG_20120507	MC007SG_20120509	MC007SG_20120424	NC001SG_20120506
Sample ID		MC004SG-000015-20120507	MC005SG-000015-20120507	MC006SG-000015-20120507	MC007SG-000010-20120509	MC007SG-000003-20120424	NC001SG-000015-20120506
Sample Date		5/7/2012	5/7/2012	5/7/2012	5/9/2012	4/24/2012	5/6/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm	0 - 3 cm	0 - 15 cm
Water Column Depth		0.3	5.2	4.3		3.5	15.8
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total dioxin/furan TEQ 2005 (mammal) (U = 0)	--	46.04 J	--	--	106.55 J	--	--
Total dioxin/furan TEQ 2005 (mammal) (U = 1/2)	--	46.04 J	--	--	106.55 J	--	--
PCB Aroclors (µg/kg)							
Aroclor 1016	SW8082A	31 U	13 U	10 U	13 U	--	12 U
Aroclor 1221	SW8082A	31 U	13 U	10 U	13 U	--	38
Aroclor 1232	SW8082A	31 U	13 U	10 U	13 U	--	12 U
Aroclor 1242	SW8082A	670	110	55	180	--	140
Aroclor 1248	SW8082A	31 U	13 U	10 U	13 U	--	12 U
Aroclor 1254	SW8082A	1300	450	110	370	--	140
Aroclor 1260	SW8082A	31 U	13 U	10 U	13 U	--	12 U
Aroclor 1262	SW8082A	31 U	13 U	10 U	13 U	--	12 U
Aroclor 1268	SW8082A	31 U	13 U	10 U	13 U	--	12 U
Total PCB Aroclors (U = 0)	--	1970	560	165	550	--	318
Total PCB Aroclors (U = 1/2)	--	2078.5	605.5	200	595.5	--	354
PCB Congeners (ng/kg)							
PCB-001	E1668B	3940 J	--	--	4900	--	--
PCB-002	E1668B	189	--	--	232	--	--
PCB-003	E1668B	1870	--	--	2110	--	--
PCB-004	E1668B	4870 J	--	--	17000 J	--	--
PCB-005	E1668B	258	--	--	711 J	--	--
PCB-006	E1668B	2210	--	--	7030 J	--	--
PCB-007	E1668B	645	--	--	1370 J	--	--
PCB-008	E1668B	10700 J	--	--	33100 J	--	--
PCB-009	E1668B	963	--	--	2350	--	--
PCB-010	E1668B	365	--	--	1050 J	--	--
PCB-011	E1668B	860	--	--	2820 J	--	--
PCB-012/013	E1668B	1050	--	--	2550 J	--	--
PCB-014	E1668B	5.42 U	--	--	50.4 UJ	--	--
PCB-015	E1668B	5410 J	--	--	16000 J	--	--
PCB-016	E1668B	8270 J	--	--	26500 J	--	--
PCB-017	E1668B	6850 J	--	--	19900 J	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2066	Spring Surface Sediment 2067	Spring Surface Sediment 2068	Spring Surface Sediment 2069	Spring Surface Sediment 2070	Spring Surface Sediment 2071
		Tributary	Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek	Newtown Creek
		River Mile	0.1	0.1	0.15	0.2	0.207	0.02
		Location ID	MC004SG_20120507	MC005SG_20120507	MC006SG_20120507	MC007SG_20120509	MC007SG_20120424	NC001SG_20120506
		Sample ID	MC004SG-000015-20120507	MC005SG-000015-20120507	MC006SG-000015-20120507	MC007SG-000010-20120509	MC007SG-000003-20120424	NC001SG-000015-20120506
		Sample Date	5/7/2012	5/7/2012	5/7/2012	5/9/2012	4/24/2012	5/6/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm	0 - 3 cm	0 - 15 cm
		Water Column Depth	0.3	5.2	4.3		3.5	15.8
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-018/030	E1668B		14700 J	--	--	41400 J	--	--
PCB-019	E1668B		1820	--	--	6080 J	--	--
PCB-020/028	E1668B		21000 J	--	--	54800 J	--	--
PCB-021/033	E1668B		12700 J	--	--	33800 J	--	--
PCB-022	E1668B		8270 J	--	--	22100 J	--	--
PCB-023	E1668B		24.6	--	--	72.3 J	--	--
PCB-024	E1668B		10.7 U	--	--	14.7 UJ	--	--
PCB-025	E1668B		2140	--	--	5310 J	--	--
PCB-026/029	E1668B		3880	--	--	10000 J	--	--
PCB-027	E1668B		1270	--	--	3620 J	--	--
PCB-031	E1668B		20600 J	--	--	54400 J	--	--
PCB-032	E1668B		3840 J	--	--	9950 J	--	--
PCB-034	E1668B		69.8	--	--	212 J	--	--
PCB-035	E1668B		379	--	--	968 J	--	--
PCB-036	E1668B		12 U	--	--	34.7 UJ	--	--
PCB-037	E1668B		4360 J	--	--	11400 J	--	--
PCB-038	E1668B		32 J	--	--	35.5 UJ	--	--
PCB-039	E1668B		142	--	--	34.3 UJ	--	--
PCB-040/071	E1668B		9070 J	--	--	21900 J	--	--
PCB-041	E1668B		2290 J	--	--	4830 J	--	--
PCB-042	E1668B		4260 J	--	--	13100 J	--	--
PCB-043	E1668B		715 J	--	--	2000 J	--	--
PCB-044/047/065	E1668B		96800 J	--	--	53100 J	--	--
PCB-045	E1668B		--	--	--	--	--	--
PCB-045/051	E1668B		43400 J	--	--	12200 J	--	--
PCB-046	E1668B		1840	--	--	3070 J	--	--
PCB-048	E1668B		3340 J	--	--	10400 J	--	--
PCB-049/069	E1668B		24500 J	--	--	25300 J	--	--
PCB-050/053	E1668B		10600 J	--	--	8040 J	--	--
PCB-051	E1668B		--	--	--	--	--	--
PCB-052	E1668B		29900 J	--	--	58600 J	--	--
PCB-054	E1668B		5370 J	--	--	511	--	--
PCB-055	E1668B		12.7 U	--	--	744 J	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2066	Spring Surface Sediment 2067	Spring Surface Sediment 2068	Spring Surface Sediment 2069	Spring Surface Sediment 2070	Spring Surface Sediment 2071
		Tributary	Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek	Newtown Creek
		River Mile	0.1	0.1	0.15	0.2	0.207	0.02
		Location ID	MC004SG_20120507	MC005SG_20120507	MC006SG_20120507	MC007SG_20120509	MC007SG_20120424	NC001SG_20120506
		Sample ID	MC004SG-000015-20120507	MC005SG-000015-20120507	MC006SG-000015-20120507	MC007SG-000010-20120509	MC007SG-000003-20120424	NC001SG-000015-20120506
		Sample Date	5/7/2012	5/7/2012	5/7/2012	5/9/2012	4/24/2012	5/6/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm	0 - 3 cm	0 - 15 cm
		Water Column Depth	0.3	5.2	4.3		3.5	15.8
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-056	E1668B		5930 J	--	--	14500 J	--	--
PCB-057	E1668B		12.4 U	--	--	24.7 UJ	--	--
PCB-058	E1668B		12.1 U	--	--	24.3 UJ	--	--
PCB-059/062/075	E1668B		2410	--	--	4250 J	--	--
PCB-060	E1668B		3320 J	--	--	8300 J	--	--
PCB-061/070/074/076	E1668B		23500 J	--	--	55900 J	--	--
PCB-063	E1668B		446	--	--	1260 J	--	--
PCB-064	E1668B		6470 J	--	--	17800 J	--	--
PCB-066	E1668B		15100 J	--	--	26400 J	--	--
PCB-067	E1668B		388	--	--	1390 J	--	--
PCB-068	E1668B		212	--	--	170 J	--	--
PCB-072	E1668B		113	--	--	280 J	--	--
PCB-073	E1668B		3.87 U	--	--	13.2 UJ	--	--
PCB-077	E1668B		1360	--	--	3500 J	--	--
PCB-078	E1668B		13.3 U	--	--	23.1 UJ	--	--
PCB-079	E1668B		369	--	--	289 J	--	--
PCB-080	E1668B		320	--	--	21.7 UJ	--	--
PCB-081	E1668B		70.8	--	--	25.9 UJ	--	--
PCB-082	E1668B		2780 J	--	--	6320 J	--	--
PCB-083	E1668B		141000 J	--	--	2590 J	--	--
PCB-084	E1668B		7280 J	--	--	15000 J	--	--
PCB-085/116	E1668B		--	--	--	--	--	--
PCB-085/116/117	E1668B		9360 J	--	--	8140 J	--	--
PCB-086/087/097/108/119/125	E1668B		35900 J	--	--	34300 J	--	--
PCB-088	E1668B		--	--	--	--	--	--
PCB-088/091	E1668B		31500 J	--	--	11000 J	--	--
PCB-089	E1668B		273	--	--	588 J	--	--
PCB-090/101/113	E1668B		94700 J	--	--	56000 J	--	--
PCB-091	E1668B		--	--	--	--	--	--
PCB-092	E1668B		10200 J	--	--	9430 J	--	--
PCB-093/100	E1668B		27600 J	--	--	2450 J	--	--
PCB-094	E1668B		8590 J	--	--	463 J	--	--
PCB-095	E1668B		42500 J	--	--	41900 J	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2066	Spring Surface Sediment 2067	Spring Surface Sediment 2068	Spring Surface Sediment 2069	Spring Surface Sediment 2070	Spring Surface Sediment 2071
		Tributary	Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek	Newtown Creek
		River Mile	0.1	0.1	0.15	0.2	0.207	0.02
		Location ID	MC004SG_20120507	MC005SG_20120507	MC006SG_20120507	MC007SG_20120509	MC007SG_20120424	NC001SG_20120506
		Sample ID	MC004SG-000015-20120507	MC005SG-000015-20120507	MC006SG-000015-20120507	MC007SG-000010-20120509	MC007SG-000003-20120424	NC001SG-000015-20120506
		Sample Date	5/7/2012	5/7/2012	5/7/2012	5/9/2012	4/24/2012	5/6/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm	0 - 3 cm	0 - 15 cm
		Water Column Depth	0.3	5.2	4.3		3.5	15.8
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-096	E1668B		1960	--	--	763 J	--	--
PCB-098	E1668B		--	--	--	--	--	--
PCB-098/102	E1668B		5360 J	--	--	2370 J	--	--
PCB-099	E1668B		19.3 U	--	--	30500 J	--	--
PCB-102	E1668B		--	--	--	--	--	--
PCB-103	E1668B		18.2 U	--	--	1330 J	--	--
PCB-104	E1668B		2190	--	--	119 J	--	--
PCB-105	E1668B		9450 J	--	--	18400 J	--	--
PCB-106	E1668B		20.6 U	--	--	29.7 UJ	--	--
PCB-107/124	E1668B		1150	--	--	1750 J	--	--
PCB-109	E1668B		1760	--	--	2890 J	--	--
PCB-110	E1668B		--	--	--	--	--	--
PCB-110/115	E1668B		47400 J	--	--	57000 J	--	--
PCB-111	E1668B		2370 J	--	--	750 J	--	--
PCB-112	E1668B		14.4 U	--	--	25.7 UJ	--	--
PCB-114	E1668B		558	--	--	1020	--	--
PCB-115	E1668B		--	--	--	--	--	--
PCB-117	E1668B		--	--	--	--	--	--
PCB-118	E1668B		35100 J	--	--	41500 J	--	--
PCB-120	E1668B		689	--	--	121 J	--	--
PCB-121	E1668B		29	--	--	27.3 UJ	--	--
PCB-122	E1668B		217	--	--	477 J	--	--
PCB-123	E1668B		1560	--	--	825 J	--	--
PCB-126	E1668B		469	--	--	716 J	--	--
PCB-127	E1668B		19.5 U	--	--	92.3 J	--	--
PCB-128/166	E1668B		9960 J	--	--	10300	--	--
PCB-129/138/163	E1668B		174000 J	--	--	90300 J	--	--
PCB-130	E1668B		4310 J	--	--	4320	--	--
PCB-131	E1668B		1320	--	--	974	--	--
PCB-132	E1668B		36500 J	--	--	24200 J	--	--
PCB-133	E1668B		2160	--	--	1140	--	--
PCB-134	E1668B		8390 J	--	--	4780	--	--
PCB-135/151	E1668B		83200 J	--	--	31200 J	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2066	Spring Surface Sediment 2067	Spring Surface Sediment 2068	Spring Surface Sediment 2069	Spring Surface Sediment 2070	Spring Surface Sediment 2071
		Tributary	Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek	Newtown Creek
		River Mile	0.1	0.1	0.15	0.2	0.207	0.02
		Location ID	MC004SG_20120507	MC005SG_20120507	MC006SG_20120507	MC007SG_20120509	MC007SG_20120424	NC001SG_20120506
		Sample ID	MC004SG-000015-20120507	MC005SG-000015-20120507	MC006SG-000015-20120507	MC007SG-000010-20120509	MC007SG-000003-20120424	NC001SG-000015-20120506
		Sample Date	5/7/2012	5/7/2012	5/7/2012	5/9/2012	4/24/2012	5/6/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm	0 - 3 cm	0 - 15 cm
		Water Column Depth	0.3	5.2	4.3		3.5	15.8
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-136	E1668B		31700 J	--	--	10700 J	--	--
PCB-137	E1668B		4430 J	--	--	3120 J	--	--
PCB-139/140	E1668B		3800	--	--	1330	--	--
PCB-141	E1668B		33000 J	--	--	16700 J	--	--
PCB-142	E1668B		22.4 U	--	--	85.4 U	--	--
PCB-143	E1668B		20.1 U	--	--	74.2 U	--	--
PCB-144	E1668B		8810 J	--	--	4050	--	--
PCB-145	E1668B		3.71 U	--	--	14.5 U	--	--
PCB-146	E1668B		33600 J	--	--	68.8 U	--	--
PCB-147/149	E1668B		261000 J	--	--	76100 J	--	--
PCB-148	E1668B		2390 J	--	--	320	--	--
PCB-150	E1668B		6010 J	--	--	766	--	--
PCB-152	E1668B		1970	--	--	128	--	--
PCB-153/168	E1668B		311000 J	--	--	97500 J	--	--
PCB-154	E1668B		33300 J	--	--	4040	--	--
PCB-155	E1668B		919	--	--	54.7	--	--
PCB-156/157	E1668B		10800 J	--	--	7550	--	--
PCB-158	E1668B		16000 J	--	--	8180	--	--
PCB-159	E1668B		15.1 U	--	--	37.5 U	--	--
PCB-160	E1668B		16 U	--	--	58.4 U	--	--
PCB-161	E1668B		15.4 U	--	--	10300 J	--	--
PCB-162	E1668B		14.8 U	--	--	32.1 U	--	--
PCB-164	E1668B		12900 J	--	--	7160 J	--	--
PCB-165	E1668B		31.6	--	--	60.8 U	--	--
PCB-167	E1668B		6520 J	--	--	3010	--	--
PCB-169	E1668B		565 J	--	--	180 J	--	--
PCB-170	E1668B		61800 J	--	--	25800 J	--	--
PCB-171/173	E1668B		18800 J	--	--	9150	--	--
PCB-172	E1668B		8300 J	--	--	3780	--	--
PCB-174	E1668B		55700 J	--	--	29900 J	--	--
PCB-175	E1668B		2140	--	--	1040	--	--
PCB-176	E1668B		7230 J	--	--	3400	--	--
PCB-177	E1668B		30500 J	--	--	16100 J	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2066	Spring Surface Sediment 2067	Spring Surface Sediment 2068	Spring Surface Sediment 2069	Spring Surface Sediment 2070	Spring Surface Sediment 2071
		Tributary	Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek	Newtown Creek
		River Mile	0.1	0.1	0.15	0.2	0.207	0.02
		Location ID	MC004SG_20120507	MC005SG_20120507	MC006SG_20120507	MC007SG_20120509	MC007SG_20120424	NC001SG_20120506
		Sample ID	MC004SG-000015-20120507	MC005SG-000015-20120507	MC006SG-000015-20120507	MC007SG-000010-20120509	MC007SG-000003-20120424	NC001SG-000015-20120506
		Sample Date	5/7/2012	5/7/2012	5/7/2012	5/9/2012	4/24/2012	5/6/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm	0 - 3 cm	0 - 15 cm
		Water Column Depth	0.3	5.2	4.3		3.5	15.8
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-178	E1668B		15200 J	--	--	5970 J	--	--
PCB-179	E1668B		35500 J	--	--	12300 J	--	--
PCB-180/193	E1668B		150000 J	--	--	65300 J	--	--
PCB-181	E1668B		596	--	--	205	--	--
PCB-182	E1668B		178	--	--	19.2 U	--	--
PCB-183	E1668B		--	--	--	--	--	--
PCB-183/185	E1668B		47400 J	--	--	21800 J	--	--
PCB-184	E1668B		44.7	--	--	26.5	--	--
PCB-185	E1668B		--	--	--	--	--	--
PCB-186	E1668B		4.77 U	--	--	14.7 U	--	--
PCB-187	E1668B		106000 J	--	--	34900 J	--	--
PCB-188	E1668B		1820	--	--	137	--	--
PCB-189	E1668B		2360 J	--	--	1000	--	--
PCB-190	E1668B		13500 J	--	--	5230	--	--
PCB-191	E1668B		2820 J	--	--	1050	--	--
PCB-192	E1668B		16.7 U	--	--	17.5 U	--	--
PCB-194	E1668B		37200 J	--	--	15500 J	--	--
PCB-195	E1668B		13500 J	--	--	5580 J	--	--
PCB-196	E1668B		17100 J	--	--	7350 J	--	--
PCB-197	E1668B		--	--	--	--	--	--
PCB-197/200	E1668B		4190	--	--	2120	--	--
PCB-198/199	E1668B		27800 J	--	--	13200 J	--	--
PCB-200	E1668B		--	--	--	--	--	--
PCB-201	E1668B		2790 J	--	--	1620	--	--
PCB-202	E1668B		5070 J	--	--	2440	--	--
PCB-203	E1668B		21300 J	--	--	8830 J	--	--
PCB-204	E1668B		6.55 J	--	--	15.6 U	--	--
PCB-205	E1668B		1830	--	--	795	--	--
PCB-206	E1668B		6850 J	--	--	5770 J	--	--
PCB-207	E1668B		691	--	--	519	--	--
PCB-208	E1668B		1170	--	--	1580	--	--
PCB-209	E1668B		991	--	--	3240 J	--	--
Total PCB congener (U = 0)	--		2756679.05 J	--	--	1812408.8 J	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2066	Spring Surface Sediment 2067	Spring Surface Sediment 2068	Spring Surface Sediment 2069	Spring Surface Sediment 2070	Spring Surface Sediment 2071
Tributary		Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek	Maspeth Creek	Newtown Creek
River Mile		0.1	0.1	0.15	0.2	0.207	0.02
Location ID		MC004SG_20120507	MC005SG_20120507	MC006SG_20120507	MC007SG_20120509	MC007SG_20120424	NC001SG_20120506
Sample ID		MC004SG-000015-20120507	MC005SG-000015-20120507	MC006SG-000015-20120507	MC007SG-000010-20120509	MC007SG-000003-20120424	NC001SG-000015-20120506
Sample Date		5/7/2012	5/7/2012	5/7/2012	5/9/2012	4/24/2012	5/6/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm	0 - 3 cm	0 - 15 cm
Water Column Depth		0.3	5.2	4.3		3.5	15.8
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total PCB congener (U = 1/2)	--	2756830.78 J	--	--	1812850.8 J	--	--
Total PCB congener TEQ 1998 (avian) (U = 0)	--	125.1 J	--	--	249.9 J	--	--
Total PCB congener TEQ 1998 (avian) (U = 1/2)	--	125.1 J	--	--	251.2 J	--	--
Total PCB congener TEQ 1998 (fish) (U = 0)	--	2.9 J	--	--	4.3 J	--	--
Total PCB congener TEQ 1998 (fish) (U = 1/2)	--	2.9 J	--	--	4.3 J	--	--
Total PCB congener TEQ 2005 (mammal) (U = 0)	--	66 J	--	--	79.5 J	--	--
Total PCB congener TEQ 2005 (mammal) (U = 1/2)	--	66 J	--	--	79.6 J	--	--
Total Petroleum Hydrocarbons (mg/kg)							
Diesel range organics (C10 - C28)	SW8015M	2790	8180	5020	5940	--	728
Phytane	SW8015M	3.91	11.8	7.66	10.3 J	--	0.815 J
Pristane	SW8015M	5.63	14	10.4	10.6	--	0.411 J
Total petroleum hydrocarbons (C9-C40)	SW8015M	5110	18100	11600	13500	--	1460
Radionuclides (pci/g)							
Beryllium 7	HASL300	--	--	--	--	4.363	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2072	Spring Surface Sediment 2073	Spring Surface Sediment 2074	Spring Surface Sediment 2075	Spring Surface Sediment 2076	Spring Surface Sediment 2077
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.02	0.08	0.09	0.09	0.1	0.15
Location ID		NC001SG_20120506	NC004SG_20120509	NC003SG_20120506	NC003SG_20120506	NC002SG_20120509	NC005SG_20120506
Sample ID		NC1001SG-000015-20120506	NC004SG-000015-20120509	NC003SG-000003-20120506	NC003SG-000015-20120506	NC002SG-000015-20120509	NC005SG-000010-20120506
Sample Date		5/6/2012	5/9/2012	5/6/2012	5/6/2012	5/9/2012	5/6/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
Water Column Depth		15.8	14.8	16.3	16.3	11.3	20.4
Sample Type		FD	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Conventional Parameters (lb/ft³)							
Density	D7263	26.6	28.4	--	34.3	34.8	27.3
Conventional Parameters (mg/kg)							
Ammonia as nitrogen	SM4500NH3H	40 J	20 U	--	20 U	19 U	22 U
Cyanide, total	SW9012A	2.9 U	2.9 U	--	2.4 U	2.5 U	3 U
Nitrate + nitrite as nitrogen	SM4500NO3F	5.4 J	7.1 U	--	4.2 J	6.2	5.7 J
Nitrogen ((No Suggestions))	SM4500NORGC	2900	2800	--	2900	2600	4000
Phosphorus	SM4500PE	2100 J	1800 J	--	1200 J	2200 J	1600 J
Sulfide	SW9030B	3300 J	1200 J	--	410 J	2500 J	3000 J
Conventional Parameters (pct)							
Moisture (water) content	D2216	--	--	--	144.1	--	--
Moisture, percent	D2216	--	--	--	59.6	--	--
Soot carbon	SOOTC	0.425	0.313	--	0.482	0.753	0.42
Total organic carbon	SW9060	2.705	2.07	--	3.315	2.39	2.245
Total solids	SM2540G	33.6	33.8	--	39	40.2	33.2
Conventional Parameters (SU)							
pH	SW9045C	8	7.7	--	8.1	7.9	7.9
Conventional Parameters (unitless)							
Liquid limit	D4318	--	--	--	105	--	--
Plastic limit	D4318	--	--	--	29	--	--
Plasticity index	D4318	--	--	--	76	--	--
Specific gravity	D854	--	--	--	2.61	--	--
Grain Size (pct)							
Cobbles	D422	0	0	--	0	0	0
Gravel	D422	0	0	--	0.1	0	0
Sand	D422	5.2	5.4	--	29.4	27.9	2.1
Fines (silt + clay)	D422	94.8	94.6	--	70.5	72.1	97.9
Percent passing 0.375 inch (3/8 inch sieve)	D422	--	--	--	100	--	--
Percent passing 0.5 inch (1/2 inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4 inch sieve)	D422	--	--	--	--	--	--
Percent passing 1 inch (1 inch sieve)	D422	--	--	--	--	--	--
Percent passing 75 micron sieve (#200)	D422	95	95	--	71	72	98
Percent passing 150 micron sieve (#100)	D422	96	98	--	74	77	99

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2072	Spring Surface Sediment 2073	Spring Surface Sediment 2074	Spring Surface Sediment 2075	Spring Surface Sediment 2076	Spring Surface Sediment 2077
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.02	0.08	0.09	0.09	0.1	0.15
Location ID		NC001SG_20120506	NC004SG_20120509	NC003SG_20120506	NC003SG_20120506	NC002SG_20120509	NC005SG_20120506
Sample ID		NC1001SG-000015-20120506	NC004SG-000015-20120509	NC003SG-000003-20120506	NC003SG-000015-20120506	NC002SG-000015-20120509	NC005SG-000010-20120506
Sample Date		5/6/2012	5/9/2012	5/6/2012	5/6/2012	5/9/2012	5/6/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
Water Column Depth		15.8	14.8	16.3	16.3	11.3	20.4
Sample Type		FD	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Percent passing 250 micron sieve (#60)	D422	98	99	--	80	84	99
Percent passing 425 micron sieve (#40)	D422	99	99	--	88	91	100
Percent passing 850 micron sieve (#20)	D422	99	99	--	95	96	100
Percent passing 2000 micron sieve (#10)	D422	100	100	--	98	99	100
Percent passing 4750 micron sieve (#4)	D422	100	100	--	100	100	100
Metals (mg/kg)							
Aluminum	SW6020A	15400 J	14400	--	11400 J	13600	14100 J
Antimony	SW6020A	0.388 J	0.463 J	--	0.284 J	0.335 J	0.697 J
Arsenic	SW6020A	11.3	10.8	--	9.4	9.41	10.7
Barium	SW6020A	73.8	58	--	75.7	61.5	67
Beryllium	SW6020A	0.836	0.71	--	0.672	0.685	0.865
Cadmium	SW6020A	1.05 J	0.7	--	1.61 J	0.767	0.997 J
Calcium	SW6020A	9570	7700	--	8920	9530	6830
Chromium	SW6020A	83.5 J	57 J	--	84 J	59.8 J	70.3 J
Cobalt	SW6020A	13	11	--	11.3	10.7	12.5
Copper	SW6020A	134	103	--	145	95.4	109
Iron	SW6020A	34000	30800	--	32900	29000	33200
Lead	SW6020A	138	106	--	154	109	118
Magnesium	SW6020A	9170	9880	--	8120	9200	9900
Manganese	SW6020A	714	479	--	527	448	551
Mercury	E1631M	1.11 J	0.755 J	--	1.02 J	0.712 J	0.802 J
Nickel	SW6020A	35.6	32	--	34.7	32.6	37.2
Potassium	SW6020A	3500	3650	--	3020	3360	3400
Selenium	SW6020A	1.63	1.33	--	1.24	1.18	1.62
Silver	SW6020A	3.75	2.69	--	4.19	2.43	2.52
Sodium	SW6020A	16000 J	17400 J	--	13000 J	13600 J	16600 J
Thallium	SW6020A	0.212	0.192 J	--	0.231	0.183	0.21
Tin	SW6020A	14.6	14.4	--	15.7	10.5	12.3
Vanadium	SW6020A	43 J	34.5	--	34.9 J	36	36.6 J
Zinc	SW6020A	271 J	197	--	287 J	198	252 J
Organometallic Compounds (µg/kg)							
Methyl mercury	E1630M	--	--	--	0.941	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2072	Spring Surface Sediment 2073	Spring Surface Sediment 2074	Spring Surface Sediment 2075	Spring Surface Sediment 2076	Spring Surface Sediment 2077
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.02	0.08	0.09	0.09	0.1	0.15
Location ID		NC001SG_20120506	NC004SG_20120509	NC003SG_20120506	NC003SG_20120506	NC002SG_20120509	NC005SG_20120506
Sample ID		NC1001SG-000015-20120506	NC004SG-000015-20120509	NC003SG-000003-20120506	NC003SG-000015-20120506	NC002SG-000015-20120509	NC005SG-000010-20120506
Sample Date		5/6/2012	5/9/2012	5/6/2012	5/6/2012	5/9/2012	5/6/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
Water Column Depth		15.8	14.8	16.3	16.3	11.3	20.4
Sample Type		FD	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Volatile Organics (µg/kg)							
1,1,1-Trichloroethane	SW8260B	3 U	3 U	--	2.6 U	2.5 U	3 U
1,1,2,2-Tetrachloroethane	SW8260B	3 U	3 U	--	2.6 U	2.5 U	3 U
1,1,2-Trichloroethane	SW8260B	4.5 U	4.4 U	--	3.8 U	3.7 U	4.5 U
1,1,2-Trichlorotrifluoroethane	SW8260B	60 U	59 U	--	51 U	50 U	60 U
1,1-Dichloroethane	SW8260B	4.5 U	4.4 U	--	3.8 U	3.7 U	4.5 U
1,1-Dichloroethene	SW8260B	3 U	3 U	--	2.6 U	2.5 U	3 U
1,2,3-Trichlorobenzene	SW8260B	15 U	15 U	--	13 U	12 U	15 U
1,2,4-Trichlorobenzene	SW8260B	15 U	15 U	--	13 U	12 U	15 U
1,2-Dibromo-3-chloropropane	SW8260B	15 UJ	15 U	--	13 UJ	12 U	15 UJ
1,2-Dichlorobenzene	SW8260B	15 U	15 U	--	13 U	12 U	15 U
1,2-Dichloroethane	SW8260B	3 U	3 U	--	2.6 U	2.5 U	3 U
1,2-Dichloroethene, cis-	SW8260B	3 U	3 U	--	2.6 U	2.5 U	3 U
1,2-Dichloroethene, trans-	SW8260B	4.5 U	4.4 U	--	3.8 U	3.7 U	4.5 U
1,2-Dichloropropane	SW8260B	10 U	10 U	--	9 U	8.7 U	10 U
1,3-Dichlorobenzene	SW8260B	15 U	15 U	--	13 U	12 U	15 U
1,3-Dichloropropene, cis-	SW8260B	3 U	3 U	--	2.6 U	2.5 U	3 U
1,3-Dichloropropene, trans-	SW8260B	3 U	3 U	--	2.6 U	2.5 U	3 U
1,4-Dichlorobenzene	SW8260B	15 U	15 U	--	13 U	12 U	15 U
2-Butanone (MEK)	SW8260B	60	100	--	53	67	83
2-Hexanone (methyl butyl ketone)	SW8260B	30 U	30 U	--	26 U	25 U	30 U
Acetone	SW8260B	270	470	--	240	300	400
Benzene	SW8260B	3 U	3 U	--	2.6 U	2.5 U	3 U
Bromochloromethane	SW8260B	15 U	15 U	--	13 U	12 U	15 U
Bromodichloromethane	SW8260B	3 U	3 U	--	2.6 U	2.5 U	3 U
Bromoform (tribromomethane)	SW8260B	12 U	12 U	--	10 U	10 U	12 U
Bromomethane (methyl bromide)	SW8260B	6 UJ	5.9 U	--	5.1 UJ	5 U	6 UJ
Carbon disulfide	SW8260B	33	33	--	38	19 J	27 J
Carbon tetrachloride (tetrachloromethane)	SW8260B	3 U	3 U	--	2.6 U	2.5 U	3 U
Chlorobenzene	SW8260B	3 U	3 U	--	2.6 U	2.5 U	3 U
Chloroethane	SW8260B	6 U	5.9 U	--	5.1 U	5 U	6 U
Chloroform	SW8260B	4.5 U	4.4 U	--	3.8 U	3.7 U	4.5 U

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2072	Spring Surface Sediment 2073	Spring Surface Sediment 2074	Spring Surface Sediment 2075	Spring Surface Sediment 2076	Spring Surface Sediment 2077
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	0.02	0.08	0.09	0.09	0.1	0.15
		Location ID	NC001SG_20120506	NC004SG_20120509	NC003SG_20120506	NC003SG_20120506	NC002SG_20120509	NC005SG_20120506
		Sample ID	NC1001SG-000015-20120506	NC004SG-000015-20120509	NC003SG-000003-20120506	NC003SG-000015-20120506	NC002SG-000015-20120509	NC005SG-000010-20120506
		Sample Date	5/6/2012	5/9/2012	5/6/2012	5/6/2012	5/9/2012	5/6/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
		Water Column Depth	15.8	14.8	16.3	16.3	11.3	20.4
		Sample Type	FD	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
Chloromethane	SW8260B		15 U	15 U	--	13 U	12 U	15 U
Cyclohexane	SW8260B		60 U	59 U	--	51 U	50 U	60 U
Dibromochloromethane	SW8260B		3 U	3 U	--	2.6 U	2.5 U	3 U
Dichlorodifluoromethane	SW8260B		30 U	30 U	--	26 U	25 U	30 U
Dichloromethane (methylene chloride)	SW8260B		30 U	30 U	--	26 U	25 U	30 U
Ethylbenzene	SW8260B		3 U	3 U	--	2.6 U	2.5 U	3 U
Ethylene dibromide (1,2-Dibromoethane)	SW8260B		12 U	12 U	--	10 U	10 U	12 U
Isopropylbenzene (cumene)	SW8260B		3 U	3 U	--	2.6 U	2.5 U	3 U
m,p-Xylene	SW8260B		6 U	5.9 U	--	5.1 U	5 U	6 U
Methyl acetate	SW8260B		60 U	59 U	--	51 U	50 U	60 U
Methyl isobutyl ketone (4-methyl-2-pentanone [MIBK])	SW8260B		30 U	30 U	--	26 U	25 U	30 U
Methyl tert-butyl ether (MTBE)	SW8260B		6 U	5.9 U	--	5.1 U	5 U	6 U
Methylcyclohexane	SW8260B		12 U	12 U	--	10 U	10 U	12 U
o-Xylene	SW8260B		6 U	5.9 U	--	5.1 U	5 U	6 U
Styrene	SW8260B		6 U	5.9 U	--	5.1 U	5 U	6 U
Tetrachloroethene (PCE)	SW8260B		3 U	3 U	--	2.6 U	2.5 U	3 U
Toluene	SW8260B		4.5 U	2.1 J	--	0.52 J	0.73 J	4.5 U
Total BTEX (U = 0)	--		6 U	2.1 J	--	0.52 J	0.73 J	6 U
Total BTEX (U = 1/2)	--		6 U	11 J	--	8.22 J	8.23 J	6 U
Total xylene (U = 0)	--		6 U	5.9 U	--	5.1 U	5 U	6 U
Total xylene (U = 1/2)	--		6 U	5.9 U	--	5.1 U	5 U	6 U
Trichloroethene (TCE)	SW8260B		3 U	3 U	--	2.6 U	2.5 U	3 U
Trichlorofluoromethane (fluorotrichloromethane)	SW8260B		15 U	15 U	--	13 U	12 U	15 U
Vinyl acetate	SW8260B		30 U	30 U	--	26 U	25 U	30 U
Vinyl chloride	SW8260B		6 U	5.9 U	--	5.1 U	5 U	6 U
Semivolatile Organics (µg/kg)								
1,2,4,5-Tetrachlorobenzene	SW8270C		480 U	960 U	--	410 U	780 U	500 U
1,4-Dioxane	SW8270C		980 U	1900 UJ	--	830 U	1600 UJ	1000 U
2,3,4,6-Tetrachlorophenol	SW8270C		480 U	960 UJ	--	410 U	780 UJ	500 U
2,4,5-Trichlorophenol	SW8270C		480 U	960 UJ	--	410 U	780 UJ	500 U
2,4,6-Trichlorophenol	SW8270C		480 U	960 UJ	--	410 U	780 UJ	500 U

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2072	Spring Surface Sediment 2073	Spring Surface Sediment 2074	Spring Surface Sediment 2075	Spring Surface Sediment 2076	Spring Surface Sediment 2077
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	0.02	0.08	0.09	0.09	0.1	0.15
		Location ID	NC001SG_20120506	NC004SG_20120509	NC003SG_20120506	NC003SG_20120506	NC002SG_20120509	NC005SG_20120506
		Sample ID	NC1001SG-000015-20120506	NC004SG-000015-20120509	NC003SG-000003-20120506	NC003SG-000015-20120506	NC002SG-000015-20120509	NC005SG-000010-20120506
		Sample Date	5/6/2012	5/9/2012	5/6/2012	5/6/2012	5/9/2012	5/6/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
		Water Column Depth	15.8	14.8	16.3	16.3	11.3	20.4
		Sample Type	FD	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
2,4-Dichlorophenol	SW8270C		98 U	190 UJ	--	84 U	160 UJ	100 U
2,4-Dimethylphenol	SW8270C		480 UJ	960 UJ	--	410 UJ	780 UJ	500 UJ
2,4-Dinitrophenol	SW8270C		2500 UJ	4900 UJ	--	2100 U	4000 UJ	2600 U
2,4-Dinitrotoluene	SW8270C		480 U	960 UJ	--	410 U	780 UJ	500 U
2,6-Dinitrotoluene	SW8270C		480 U	960 U	--	410 U	780 U	500 U
2-Chloronaphthalene	SW8270C		98 U	190 UJ	--	84 U	160 UJ	100 U
2-Chlorophenol	SW8270C		480 U	960 UJ	--	410 U	780 UJ	500 U
2-Methylnaphthalene	SW8270C		78 J	110 J	--	140	310 J	53 J
2-Methylphenol (o-Cresol)	SW8270C		480 U	960 U	--	410 U	780 U	500 U
2-Nitroaniline	SW8270C		2500 U	4900 U	--	2100 U	4000 U	2600 U
2-Nitrophenol	SW8270C		480 U	960 UJ	--	410 U	780 UJ	500 U
3,3'-Dichlorobenzidine	SW8270C		480 UJ	960 UJ	--	410 U	780 UJ	500 U
3-methylphenol and 4-methylphenol (m&p-cresol)	SW8270C		61 J	960 U	--	50 J	780 U	57 J
3-Nitroaniline	SW8270C		2500 U	4900 U	--	2100 U	4000 U	2600 U
4-Bromophenyl-phenyl ether	SW8270C		480 U	960 U	--	410 U	780 U	500 U
4-Chloro-3-methylphenol	SW8270C		480 U	960 UJ	--	410 U	780 UJ	500 U
4-Chloroaniline	SW8270C		480 U	960 U	--	410 U	780 U	500 U
4-Chlorophenyl phenyl ether	SW8270C		480 U	960 UJ	--	410 U	780 UJ	500 U
4-Nitroaniline	SW8270C		2500 UJ	4900 UJ	--	2100 U	4000 UJ	2600 U
4-Nitrophenol	SW8270C		2500 UJ	4900 UJ	--	2100 U	4000 UJ	2600 U
Acenaphthene	SW8270C		82 J	100 J	--	140	330 J	31 J
Acenaphthylene	SW8270C		130	150 J	--	290	330 J	75 J
Acetophenone	SW8270C		480 U	960 U	--	410 U	780 U	500 U
Anthracene	SW8270C		300	350 J	--	1800	910 J	130
Atrazine	SW8270C		480 UJ	960 UJ	--	410 UJ	780 UJ	500 UJ
Benzaldehyde	SW8270C		480 UJ	960 UJ	--	62 J	780 UJ	500 UJ
Benzo(a)anthracene	SW8270C		640	960 J	--	2500	2800 J	310
Benzo(a)pyrene	SW8270C		740	1000	--	2100 J	3000	340 J
Benzo(b)fluoranthene	SW8270C		610	910 J	--	1600 J	2500 J	340 J
Benzo(g,h,i)perylene	SW8270C		340	460 J	--	840 J	1200 J	200 J
Benzo(k)fluoranthene	SW8270C		290	440	--	1000 J	1400	110 J
Biphenyl (1,1'-Biphenyl)	SW8270C		480 U	960 UJ	--	410 U	79 J	500 U

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2072	Spring Surface Sediment 2073	Spring Surface Sediment 2074	Spring Surface Sediment 2075	Spring Surface Sediment 2076	Spring Surface Sediment 2077
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	0.02	0.08	0.09	0.09	0.1	0.15
		Location ID	NC001SG_20120506	NC004SG_20120509	NC003SG_20120506	NC003SG_20120506	NC002SG_20120509	NC005SG_20120506
		Sample ID	NC1001SG-000015-20120506	NC004SG-000015-20120509	NC003SG-000003-20120506	NC003SG-000015-20120506	NC002SG-000015-20120509	NC005SG-000010-20120506
		Sample Date	5/6/2012	5/9/2012	5/6/2012	5/6/2012	5/9/2012	5/6/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
		Water Column Depth	15.8	14.8	16.3	16.3	11.3	20.4
		Sample Type	FD	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
bis(2-Chloroethoxy)methane	SW8270C		480 U	960 U	--	410 U	780 U	500 U
bis(2-Chloroethyl)ether	SW8270C		98 U	190 UJ	--	84 U	160 UJ	100 U
bis(2-Chloroisopropyl)ether	SW8270C		98 U	190 U	--	84 U	160 U	100 U
Bis(2-ethylhexyl)phthalate	SW8270C		880 J	1400 J	--	1100	1300 J	680 J
Butylbenzyl phthalate	SW8270C		480 U	130 J	--	410 U	1300	500 U
Caprolactam	SW8270C		2500 UJ	4900 UJ	--	2100 U	4000 UJ	2600 U
Carbazole	SW8270C		45 J	54 J	--	68 J	120 J	23 J
Chrysene	SW8270C		690	950 J	--	2200	2600 J	320
Dibenzo(a,h)anthracene	SW8270C		100	150 J	--	290 J	460 J	45 J
Dibenzofuran	SW8270C		480 U	960 UJ	--	61 J	100 J	500 U
Diethyl phthalate	SW8270C		480 U	960 UJ	--	410 U	780 UJ	500 U
Dimethyl phthalate	SW8270C		480 U	960 UJ	--	410 U	780 UJ	500 U
Di-n-butyl phthalate	SW8270C		480 U	960 U	--	410 U	780 U	500 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)	SW8270C		2500 U	4900 UJ	--	2100 U	4000 UJ	2600 U
Di-n-octyl phthalate	SW8270C		480 U	960 U	--	410 U	780 U	500 U
Fluoranthene	SW8270C		820	1100 J	--	4000	3600 J	410
Fluorene	SW8270C		93 J	120 J	--	180	440 J	42 J
Hexachlorobenzene	SW8270C		98 U	190 UJ	--	84 U	160 UJ	100 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270C		98 U	190 UJ	--	84 U	160 UJ	100 U
Hexachlorocyclopentadiene	SW8270C		480 U	960 U	--	410 U	780 U	500 U
Hexachloroethane	SW8270C		480 U	960 U	--	410 U	780 U	500 U
Indeno(1,2,3-c,d)pyrene	SW8270C		330	450 J	--	850 J	1200 J	190 J
Isophorone	SW8270C		480 U	960 U	--	410 U	780 U	500 U
Naphthalene	SW8270C		120	160 J	--	270	360 J	65 J
Nitrobenzene	SW8270C		980 U	1900 U	--	830 U	1600 U	1000 U
N-Nitrosodi-N-propylamine	SW8270C		98 U	190 U	--	84 U	160 U	100 U
N-Nitrosodiphenylamine	SW8270C		480 U	960 U	--	410 U	780 U	500 U
Pentachlorophenol	SW8270C		480 U	960 UJ	--	410 U	780 UJ	500 U
Phenanthrene	SW8270C		550	610 J	--	2000	2300 J	180
Phenol	SW8270C		98 U	190 U	--	33 J	160 U	100 U
Pyrene	SW8270C		1200	1600	--	4400	5000	560

Table A4-2
Surface Sediment Analytical Results

Task	Tributary	River Mile	Location ID	Sample ID	Sample Date	Sample Depth	Water Column Depth	Sample Type	Matrix	Spring Surface Sediment 2072	Spring Surface Sediment 2073	Spring Surface Sediment 2074	Spring Surface Sediment 2075	Spring Surface Sediment 2076	Spring Surface Sediment 2077
										Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
										0.02	0.08	0.09	0.09	0.1	0.15
										NC001SG_20120506	NC004SG_20120509	NC003SG_20120506	NC003SG_20120506	NC002SG_20120509	NC005SG_20120506
										NC1001SG-000015-20120506	NC004SG-000015-20120509	NC003SG-000003-20120506	NC003SG-000015-20120506	NC002SG-000015-20120509	NC005SG-000010-20120506
										5/6/2012	5/9/2012	5/6/2012	5/6/2012	5/9/2012	5/6/2012
										0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
										15.8	14.8	16.3	16.3	11.3	20.4
										FD	N	N	N	N	N
										SE	SE	SE	SE	SE	SE
Total cresol (o,m,p) (U = 0)	--									61 J	960 U	--	50 J	780 U	57 J
Total cresol (o,m,p) (U = 1/2)	--									301 J	960 U	--	255 J	780 U	307 J
Polycyclic Aromatic Hydrocarbons (µg/kg)															
1,6,7-Trimethylnaphthalene	SW8270CMSIM									50.9	27.4	--	133	79.5	34.4
1-Methyldibenzothiophene	SW8270CMSIM									40.5	25.8	--	82.3	45.2	21.6
1-Methylnaphthalene	SW8270CMSIM									169	93.9	--	514	196	108
1-Methylphenanthrene	SW8270CMSIM									304	145	--	1200	372	201
2,6-Dimethylnaphthalene	SW8270CMSIM									219	118	--	420	214	143
2-Methylantracene	SW8270CMSIM									196	166	--	507	233	168
2-Methyldibenzothiophene and 3-methyldibenzothiophene	SW8270CMSIM									105	39.7	--	263	67.8	73.8
2-Methylnaphthalene	SW8270CMSIM									343	188	--	740	342	230
2-Methylphenanthrene	SW8270CMSIM									246	138	--	1360	425	166
4-Methyldibenzothiophene	SW8270CMSIM									118	66.9	--	227	122	67.5
4-Methylphenanthrene and 9-methylphenanthrene	SW8270CMSIM									402	233	--	1200	499	248
Acenaphthene	SW8270CMSIM									242	100	--	1520	239	144
Acenaphthylene	SW8270CMSIM									530	460	--	909	583	344
Anthracene	SW8270CMSIM									700	591	--	2710	931	634
Benzo(a)anthracene	SW8270CMSIM									2240	1260	--	8500	2050	1700
Benzo(a)pyrene	SW8270CMSIM									2370	1710	--	8070	2290	1680
Benzo(b)fluoranthene	SW8270CMSIM									1760	1040	--	6350	1700	1370
Benzo(e)pyrene	SW8270CMSIM									1610	1030	--	6190	1430	1130
Benzo(g,h,i)perylene	SW8270CMSIM									1240	848	--	4760	1150	916
Benzo(j,k)fluoranthene	SW8270CMSIM									1890	1130	--	5850	1570	1320
Benzonaphthothiophene	SW8270CMSIM									618	362	--	1680	636	452
Benzo(b)fluoranthene	SW8270CMSIM									20.8	14.6 J	--	44	26.3	15.1 J
Carbazole	SW8270CMSIM									218	39.6	--	1290	99.2	70.8
Chrysene	SW8270CMSIM									2480	1210	--	9210	2180	1980
Decalin, cis and trans-	SW8270CMSIM									18.8	9.69 U	--	24.4	18.6	17
Dibenzo(a,h)anthracene and dibenzo(a,c)anthracene	SW8270CMSIM									433	251	--	1710	350	299
Dibenzothiophene	SW8270CMSIM									184	107	--	795	220	112

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2072	Spring Surface Sediment 2073	Spring Surface Sediment 2074	Spring Surface Sediment 2075	Spring Surface Sediment 2076	Spring Surface Sediment 2077
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.02	0.08	0.09	0.09	0.1	0.15
Location ID		NC001SG_20120506	NC004SG_20120509	NC003SG_20120506	NC003SG_20120506	NC002SG_20120509	NC005SG_20120506
Sample ID		NC1001SG-000015-20120506	NC004SG-000015-20120509	NC003SG-000003-20120506	NC003SG-000015-20120506	NC002SG-000015-20120509	NC005SG-000010-20120506
Sample Date		5/6/2012	5/9/2012	5/6/2012	5/6/2012	5/9/2012	5/6/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
Water Column Depth		15.8	14.8	16.3	16.3	11.3	20.4
Sample Type		FD	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Fluoranthene	SW8270CMSIM	3820	1740	--	14000	4010	2470
Fluorene	SW8270CMSIM	213	94.9	--	1380	202	194
Indeno(1,2,3-c,d)pyrene	SW8270CMSIM	1280	875	--	4710	1260	930
Naphthalene	SW8270CMSIM	637	322	--	1120	576	369
Perylene	SW8270CMSIM	771	547	--	1960	590	632
Phenanthrene	SW8270CMSIM	1860	676	--	12100	2300	999
Pyrene	SW8270CMSIM	4490	2320	--	14300	4240	2660
Retene	SW8270CMSIM	359	590 J	--	443	251	222
Total benzofluoranthenes (U = 0)	--	3650	2170	--	12200	3270	2690
Total benzofluoranthenes (U = 1/2)	--	3650	2170	--	12200	3270	2690
Total cPAH TEQ (USEPA 1993) (U = 0)	--	3352.38	2291.01	--	11803.71	3158.88	2394.18
Total cPAH TEQ (USEPA 1993) (U = 1/2)	--	3352.38	2291.01	--	11803.71	3158.88	2394.18
Total HPAH (9 of 16) (U = 0)	--	22003	12384	--	77460	20800	15325
Total HPAH (9 of 16) (U = 1/2)	--	22003	12384	--	77460	20800	15325
Total LPAH (7 of 16) (U = 0)	--	4525	2431.9	--	20479	5173	2914
Total LPAH (7 of 16) (U = 1/2)	--	4525	2431.9	--	20479	5173	2914
Total PAH (16) (U = 0)	--	26528	14815.9	--	97939	25973	18239
Total PAH (16) (U = 1/2)	--	26528	14815.9	--	97939	25973	18239
Alkylated Polycyclic Aromatic Hydrocarbons (µg/kg)							
C1-Benzo(a)anthracenes/chrysenes	SW8270CMSIM	1930	1280	--	8280	1660	1390
C1-Benzo(b)thiophenes	SW8270CMSIM	41.1	26	--	63.7	34.4	34.8
C1-Decalins	SW8270CMSIM	53.6	35.9	--	83.2	68.2	45.5
C1-Dibenzothiophenes	SW8270CMSIM	305	162	--	693	290	187
C1-Fluoranthenes/Pyrenes	SW8270CMSIM	3620	2430	--	8800	3830	2490
C1-Fluorenes	SW8270CMSIM	231	124	--	724	305	142
C1-Naphthalenes	SW8270CMSIM	310	185	--	751	353	205
C1-Phenanthrenes/Anthracenes	SW8270CMSIM	1440	884	--	5190	1930	952
C2-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	1030	760	--	5140	901	817
C2-Benzo(b)thiophenes	SW8270CMSIM	41.3	30.8	--	77.8	47.1	27.3
C2-Decalins	SW8270CMSIM	154	149	--	205	152	138
C2-Dibenzothiophenes	SW8270CMSIM	473	315	--	787	537	311
C2-Fluorenes	SW8270CMSIM	363	236	--	770	495	236
C2-Naphthalenes	SW8270CMSIM	383	261	--	896	483	236

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2072	Spring Surface Sediment 2073	Spring Surface Sediment 2074	Spring Surface Sediment 2075	Spring Surface Sediment 2076	Spring Surface Sediment 2077
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.02	0.08	0.09	0.09	0.1	0.15
Location ID		NC001SG_20120506	NC004SG_20120509	NC003SG_20120506	NC003SG_20120506	NC002SG_20120509	NC005SG_20120506
Sample ID		NC1001SG-000015-20120506	NC004SG-000015-20120509	NC003SG-000003-20120506	NC003SG-000015-20120506	NC002SG-000015-20120509	NC005SG-000010-20120506
Sample Date		5/6/2012	5/9/2012	5/6/2012	5/6/2012	5/9/2012	5/6/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
Water Column Depth		15.8	14.8	16.3	16.3	11.3	20.4
Sample Type		FD	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
C2-Phenanthrenes/Anthracenes	SW8270CMSIM	1270	1040	--	3330	1760	902
C3-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	581	445	--	2730	500	510
C3-Benzo(b)thiophenes	SW8270CMSIM	56.4	56.4	--	92	77.2	40.2
C3-Decalins	SW8270CMSIM	178	181	--	215	153	147
C3-Dibenzothiophenes	SW8270CMSIM	379	323	--	680	468	288
C3-Fluorenes	SW8270CMSIM	443	306	--	1080	636	293
C3-Naphthalenes	SW8270CMSIM	344	247	--	744	585	221
C3-Phenanthrenes/Anthracenes	SW8270CMSIM	602	733	--	1590	909	470
C4-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	278	232	--	1030	267	264
C4-Benzo(b)thiophenes	SW8270CMSIM	42.9	44.8	--	60.9	65.2	24.9
C4-Decalins	SW8270CMSIM	239	271	--	304	276	204
C4-Dibenzothiophenes	SW8270CMSIM	194	189	--	332	224	156
C4-Naphthalenes	SW8270CMSIM	272	227	--	458	495	178
C4-Phenanthrenes/Anthracenes	SW8270CMSIM	288	454	--	616	336	235
n-Alkanes and Isoprenoids (µg/kg)							
2,6,10-Trimethyldodecane	SW8015M	1240 U	1290 U	--	1000 U	1020 U	1280 U
2,6,10-Trimethyltridecane	SW8015M	890 J	574 J	--	1320 J	734 J	627 J
n-Decane (C10)	SW8015M	1240 U	1290 U	--	1000 U	1020 U	1280 U
n-Docosane (C22)	SW8015M	1240 U	461 J	--	177 J	443 J	173 J
n-Dodecane (C12)	SW8015M	1240 U	1290 U	--	1000 U	1020 U	1280 U
n-Dotriacontane (C32)	SW8015M	462 J	1630	--	616 J	1450	310 J
n-Eicosane (C20)	SW8015M	395 J	499 J	--	453 J	664 J	393 J
n-Heneicosane (C21)	SW8015M	256 J	270 J	--	301 J	370 J	216 J
n-Hentriacontane (C31)	SW8015M	2520	1400	--	2090	1060	2390
n-Heptacosane (C27)	SW8015M	2130	2100	--	1870	1670	1940
n-Heptadecane (C17)	SW8015M	544 J	1290 U	--	535 J	1020 U	476 J
n-Heptatriacontane (C37)	SW8015M	432 J	517 J	--	399 J	443 J	358 J
n-Hexacosane (C26)	SW8015M	538 J	420 J	--	673 J	344 J	408 J
n-Hexadecane (C16)	SW8015M	194 J	1290 U	--	534 J	274 J	1280 U
n-Hexatriacontane (C36)	SW8015M	947 J	377 J	--	2040	278 J	1400
n-Nonacosane (C29)	SW8015M	1760	1680	--	2000	4430	1920
n-Nonadecane (C19)	SW8015M	1240 U	1290 U	--	1000 U	1020 U	1280 U
n-Nonane (C9)	SW8015M	1240 U	1290 U	--	1000 U	1020 U	1280 U

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2072	Spring Surface Sediment 2073	Spring Surface Sediment 2074	Spring Surface Sediment 2075	Spring Surface Sediment 2076	Spring Surface Sediment 2077
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.02	0.08	0.09	0.09	0.1	0.15
Location ID		NC001SG_20120506	NC004SG_20120509	NC003SG_20120506	NC003SG_20120506	NC002SG_20120509	NC005SG_20120506
Sample ID		NC1001SG-000015-20120506	NC004SG-000015-20120509	NC003SG-000003-20120506	NC003SG-000015-20120506	NC002SG-000015-20120509	NC005SG-000010-20120506
Sample Date		5/6/2012	5/9/2012	5/6/2012	5/6/2012	5/9/2012	5/6/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
Water Column Depth		15.8	14.8	16.3	16.3	11.3	20.4
Sample Type		FD	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
n-Nonatriacontane (C39)	SW8015M	408 J	970 J	--	1000 U	665 J	498 J
n-Octacosane (C28)	SW8015M	308 J	443 J	--	500 J	500 J	304 J
n-Octadecane (C18)	SW8015M	2080 J	891 J	--	12900 J	2720 J	1150 J
n-Octatriacontane (C38)	SW8015M	466 J	451 J	--	445 J	377 J	498 J
Norpristane	SW8015M	1240 U	1290 U	--	761 J	462 J	1280 U
n-Pentacosane (C25)	SW8015M	4520 J	1770 J	--	10900 J	3590 J	4280 J
n-Pentadecane (C15)	SW8015M	167 J	286 J	--	254 J	453 J	185 J
n-Pentatriacontane (C35)	SW8015M	543 J	994 J	--	411 J	1040	451 J
n-Tetracontane (C40)	SW8015M	1240 U	439 J	--	329 J	332 J	442 J
n-Tetracosane (C24)	SW8015M	1240 U	218 J	--	261 J	290 J	1280 U
n-Tetradecane (C14)	SW8015M	1240 U	1290 U	--	168 J	1020 U	1280 U
n-Tetratriacontane (C34)	SW8015M	459 J	610 J	--	483 J	547 J	439 J
n-Triacontane (C30)	SW8015M	640 J	772 J	--	812 J	846 J	590 J
n-Tricosane (C23)	SW8015M	922 J	270 J	--	1000 U	214 J	600 J
n-Tridecane (C13)	SW8015M	1240 U	1290 U	--	908 J	1020 U	1280 U
n-Tritriacontane (C33)	SW8015M	1410	1160 J	--	1490	1110	2500
n-Undecane (C11)	SW8015M	1240 U	1290 U	--	1000 U	1020 U	1280 U
Pesticides (µg/kg)							
2,4'-DDD (o,p'-DDD)	SW8081A	0.24 U	1.3 J	--	0.46 J	1 J	0.78 J
2,4'-DDE (o,p'-DDE)	SW8081A	1.3 J	1.3 J	--	1.3 J	1.1	0.26 U
2,4'-DDT (o,p'-DDT)	SW8081A	0.24 U	0.058 J	--	0.21 U	0.2 U	0.46
4,4'-DDD (p,p'-DDD)	SW8081A	3	4	--	2.5	5.2	3.8
4,4'-DDE (p,p'-DDE)	SW8081A	3.6	4.4	--	4.4	4.8	5.8
4,4'-DDT (p,p'-DDT)	SW8081A	0.63 J	2.4 J	--	0.73	1.9 J	4.6
Aldrin	SW8081A	0.056 J	0.24 U	--	0.21 U	0.04 J	0.26 U
alpha-Hexachlorocyclohexane (BHC)	SW8081A	0.24 U	0.24 U	--	0.21 U	0.2 U	0.062 J
Chlordane, alpha- (cis-Chlordane)	SW8081A	0.24 U	0.24 U	--	1.1	1.5	1.2 J
Chlordane, beta- (trans-Chlordane)	SW8081A	0.24 U	0.24 U	--	0.21 U	0.2 U	0.26 U
delta-Hexachlorocyclohexane (BHC)	SW8081A	0.24 U	0.14 J	--	0.12 J	0.3	0.26 U
Dieldrin	SW8081A	0.22 J	0.24 U	--	0.21 U	0.2 U	0.48
Endosulfan sulfate	SW8081A	0.24 J	0.16 J	--	0.21 J	0.12 J	0.19 J
Endosulfan-alpha (I)	SW8081A	0.24 U	0.24 U	--	0.1 J	0.2 U	0.26 U
Endosulfan-beta (II)	SW8081A	0.22 J	0.79	--	0.21 U	0.89	0.13 J

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2072	Spring Surface Sediment 2073	Spring Surface Sediment 2074	Spring Surface Sediment 2075	Spring Surface Sediment 2076	Spring Surface Sediment 2077
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	0.02	0.08	0.09	0.09	0.1	0.15
		Location ID	NC001SG_20120506	NC004SG_20120509	NC003SG_20120506	NC003SG_20120506	NC002SG_20120509	NC005SG_20120506
		Sample ID	NC1001SG-000015-20120506	NC004SG-000015-20120509	NC003SG-000003-20120506	NC003SG-000015-20120506	NC002SG-000015-20120509	NC005SG-000010-20120506
		Sample Date	5/6/2012	5/9/2012	5/6/2012	5/6/2012	5/9/2012	5/6/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
		Water Column Depth	15.8	14.8	16.3	16.3	11.3	20.4
		Sample Type	FD	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
Endrin	SW8081A		0.36 J	0.15 J	--	0.18 J	0.41	0.34
Endrin aldehyde	SW8081A		0.24 UJ	0.34 J	--	0.21 UJ	0.21 J	0.26 UJ
Endrin ketone	SW8081A		0.23 J	0.24 UJ	--	0.12 J	0.2 UJ	0.34 J
Heptachlor	SW8081A		0.24 U	0.24 U	--	0.21 U	0.2 U	0.26 U
Heptachlor epoxide	SW8081A		0.1 J	0.17 J	--	0.21 U	0.2 U	0.26 U
Hexachlorobenzene	SW8081A		0.039 J	0.031 J	--	0.087 J	0.61	0.099 J
Hexachlorocyclohexane, beta- (BHC)	SW8081A		0.24 U	0.24 U	--	0.21 U	0.073 J	0.26 U
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	SW8081A		0.24 U	0.24 U	--	0.21 U	0.2 U	0.26 U
Methoxychlor	SW8081A		1.1	3.2 J	--	0.42 J	0.39 UJ	0.51 U
Mirex	SW8081A		0.24 U	0.24 U	--	0.21 U	0.2 U	0.26 U
Nonachlor, cis-	SW8081A		0.24 UJ	0.24 U	--	0.19 J	0.2 U	0.19 J
Nonachlor, trans-	SW8081A		0.24 J	0.48 J	--	0.23 J	0.1 J	1.3 J
Oxychlordane	SW8081A		0.52	0.24 U	--	0.21 U	0.2 U	0.14 J
Sum DDD (U = 0)	--		3	5.3 J	--	2.96 J	6.2 J	4.58 J
Sum DDD (U = 1/2)	--		3.12	5.3 J	--	2.96 J	6.2 J	4.58 J
Sum DDE (U = 0)	--		4.9 J	5.7 J	--	5.7 J	5.9	5.8
Sum DDE (U = 1/2)	--		4.9 J	5.7 J	--	5.7 J	5.9	5.93
Sum DDT (U = 0)	--		0.63 J	2.458 J	--	0.73	1.9 J	5.06
Sum DDT (U = 1/2)	--		0.75 J	2.458 J	--	0.84	2 J	5.06
Total chlordane (U = 0)	--		0.76 J	0.48 J	--	1.52 J	1.6 J	2.83 J
Total chlordane (U = 1/2)	--		1.12 J	0.96 J	--	1.73 J	1.9 J	2.96 J
Total DDx (U = 0)	--		8.53 J	13.458 J	--	9.39 J	14 J	15.44 J
Total DDx (U = 1/2)	--		8.77 J	13.458 J	--	9.5 J	14.1 J	15.57 J
Toxaphene	SW8081A		9.8 U	9.7 U	--	8.3 U	7.9 U	10 U
Pesticides - High Resolution (µg/kg)								
2,4'-DDD (o,p'-DDD)	E1699		--	--	--	15	--	--
2,4'-DDE (o,p'-DDE)	E1699		--	--	--	1.6	--	--
2,4'-DDT (o,p'-DDT)	E1699		--	--	--	0.066 U	--	--
4,4'-DDD (p,p'-DDD)	E1699		--	--	--	36	--	--
4,4'-DDE (p,p'-DDE)	E1699		--	--	--	17	--	--
4,4'-DDT (p,p'-DDT)	E1699		--	--	--	1.1	--	--
Aldrin	E1699		--	--	--	0.024 U	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2072	Spring Surface Sediment 2073	Spring Surface Sediment 2074	Spring Surface Sediment 2075	Spring Surface Sediment 2076	Spring Surface Sediment 2077
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	0.02	0.08	0.09	0.09	0.1	0.15
		Location ID	NC001SG_20120506	NC004SG_20120509	NC003SG_20120506	NC003SG_20120506	NC002SG_20120509	NC005SG_20120506
		Sample ID	NC1001SG-000015-20120506	NC004SG-000015-20120509	NC003SG-000003-20120506	NC003SG-000015-20120506	NC002SG-000015-20120509	NC005SG-000010-20120506
		Sample Date	5/6/2012	5/9/2012	5/6/2012	5/6/2012	5/9/2012	5/6/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
		Water Column Depth	15.8	14.8	16.3	16.3	11.3	20.4
		Sample Type	FD	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
alpha-Hexachlorocyclohexane (BHC)	E1699	--	--	--	--	0.1 U	--	--
Chlordane, alpha- (cis-Chlordane)	E1699	--	--	--	--	4.9	--	--
Chlordane, beta- (trans-Chlordane)	E1699	--	--	--	--	5.6	--	--
delta-Hexachlorocyclohexane (BHC)	E1699	--	--	--	--	0.039 U	--	--
Dieldrin	E1699	--	--	--	--	2.2	--	--
Endosulfan sulfate	E1699	--	--	--	--	0.021 U	--	--
Endosulfan-alpha (I)	E1699	--	--	--	--	0.16 U	--	--
Endosulfan-beta (II)	E1699	--	--	--	--	0.16 U	--	--
Endrin	E1699	--	--	--	--	0.061 U	--	--
Endrin aldehyde	E1699	--	--	--	--	0.047 U	--	--
Endrin ketone	E1699	--	--	--	--	0.057 U	--	--
Heptachlor	E1699	--	--	--	--	0.0093 U	--	--
Heptachlor epoxide	E1699	--	--	--	--	0.056 J	--	--
Hexachlorobenzene	E1699	--	--	--	--	0.93	--	--
Hexachlorocyclohexane, beta- (BHC)	E1699	--	--	--	--	0.095 U	--	--
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	E1699	--	--	--	--	0.062 J	--	--
Methoxychlor	E1699	--	--	--	--	0.89 U	--	--
Mirex	E1699	--	--	--	--	0.18 J	--	--
Nonachlor, cis-	E1699	--	--	--	--	1.3	--	--
Nonachlor, trans-	E1699	--	--	--	--	1.7	--	--
Oxychlordane	E1699	--	--	--	--	0.016 U	--	--
Sum DDD high resolution (U = 0)	--	--	--	--	--	51	--	--
Sum DDD high resolution (U = 1/2)	--	--	--	--	--	51	--	--
Sum DDE high resolution (U = 0)	--	--	--	--	--	18.6	--	--
Sum DDE high resolution (U = 1/2)	--	--	--	--	--	18.6	--	--
Sum DDT high resolution (U = 0)	--	--	--	--	--	1.1	--	--
Sum DDT high resolution (U = 1/2)	--	--	--	--	--	1.133	--	--
Total chlordane high resolution (U = 0)	--	--	--	--	--	13.5	--	--
Total chlordane high resolution (U = 1/2)	--	--	--	--	--	13.508	--	--
Total DDx high resolution (U = 0)	--	--	--	--	--	70.7	--	--
Total DDx high resolution (U = 1/2)	--	--	--	--	--	70.733	--	--
Toxaphene	E1699	--	--	--	--	8.5 U	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2072	Spring Surface Sediment 2073	Spring Surface Sediment 2074	Spring Surface Sediment 2075	Spring Surface Sediment 2076	Spring Surface Sediment 2077
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.02	0.08	0.09	0.09	0.1	0.15
Location ID		NC001SG_20120506	NC004SG_20120509	NC003SG_20120506	NC003SG_20120506	NC002SG_20120509	NC005SG_20120506
Sample ID		NC1001SG-000015-20120506	NC004SG-000015-20120509	NC003SG-000003-20120506	NC003SG-000015-20120506	NC002SG-000015-20120509	NC005SG-000010-20120506
Sample Date		5/6/2012	5/9/2012	5/6/2012	5/6/2012	5/9/2012	5/6/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
Water Column Depth		15.8	14.8	16.3	16.3	11.3	20.4
Sample Type		FD	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Herbicides (µg/kg)							
2,2-Dichloropropionic acid (dalapon)	SW8151A	270 UJ	260 U	--	230 UJ	210 U	270 UJ
2,4,5-T (2,4,5-trichlorophenoxyacetic acid)	SW8151A	59 U	58 U	--	50 U	47 U	61 U
2,4,5-TP (Silvex)	SW8151A	59 U	58 U	--	50 U	47 U	61 U
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	240 U	230 U	--	200 U	190 U	240 U
2,4-DB (2,4-D derivative)	SW8151A	240 U	230 U	--	200 U	190 U	240 UJ
Dicamba	SW8151A	120 U	120 U	--	100 U	95 U	120 U
Dichlorprop	SW8151A	240 U	230 U	--	200 U	190 U	240 U
Dinoseb	SW8151A	35 UJ	35 UJ	--	30 UJ	28 UJ	37 U
Mecoprop (MCP)	SW8151A	24000 U	23000 U	--	20000 U	19000 U	24000 U
Mephanac (MCPA)	SW8151A	24000 U	23000 U	--	20000 U	19000 U	24000 U
Dioxin Furans (ng/kg)							
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	--	--	--	2.12	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	--	--	--	1.1 U	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	--	--	1.34 U	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	--	--	6.66	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	--	--	3.52 J	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B	--	--	--	89.8	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B	--	--	--	864	--	--
Total tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	--	--	--	26.7 J	--	--
Total pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	--	--	--	15.2 J	--	--
Total hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	--	--	69.8 J	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2072	Spring Surface Sediment 2073	Spring Surface Sediment 2074	Spring Surface Sediment 2075	Spring Surface Sediment 2076	Spring Surface Sediment 2077
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	0.02	0.08	0.09	0.09	0.1	0.15
		Location ID	NC001SG_20120506	NC004SG_20120509	NC003SG_20120506	NC003SG_20120506	NC002SG_20120509	NC005SG_20120506
		Sample ID	NC1001SG-000015-20120506	NC004SG-000015-20120509	NC003SG-000003-20120506	NC003SG-000015-20120506	NC002SG-000015-20120509	NC005SG-000010-20120506
		Sample Date	5/6/2012	5/9/2012	5/6/2012	5/6/2012	5/9/2012	5/6/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
		Water Column Depth	15.8	14.8	16.3	16.3	11.3	20.4
		Sample Type	FD	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
Total heptachlorodibenzo-p-dioxin (HpCDD)	E1613B	--	--	--	--	261	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B	--	--	--	--	7.84	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B	--	--	--	--	2.56 J	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B	--	--	--	--	5.6	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B	--	--	--	--	7.19	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B	--	--	--	--	3.78 J	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B	--	--	--	--	1.04 U	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B	--	--	--	--	3.99 J	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B	--	--	--	--	42.4	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B	--	--	--	--	2.09 UJ	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B	--	--	--	--	67.4	--	--
Total tetrachlorodibenzofuran (TCDF)	E1613B	--	--	--	--	90.1 J	--	--
Total pentachlorodibenzofuran (PeCDF)	E1613B	--	--	--	--	57 J	--	--
Total hexachlorodibenzofuran (HxCDF)	E1613B	--	--	--	--	62.2 J	--	--
Total heptachlorodibenzofuran (HpCDF)	E1613B	--	--	--	--	76 J	--	--
Total dioxin/furan TEQ 1998 (avian) (U = 0)	--	--	--	--	--	18.34 J	--	--
Total dioxin/furan TEQ 1998 (avian) (U = 1/2)	--	--	--	--	--	18.98 J	--	--
Total dioxin/furan TEQ 1998 (fish) (U = 0)	--	--	--	--	--	7.64 J	--	--
Total dioxin/furan TEQ 1998 (fish) (U = 1/2)	--	--	--	--	--	8.59 J	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2072	Spring Surface Sediment 2073	Spring Surface Sediment 2074	Spring Surface Sediment 2075	Spring Surface Sediment 2076	Spring Surface Sediment 2077
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	0.02	0.08	0.09	0.09	0.1	0.15
		Location ID	NC001SG_20120506	NC004SG_20120509	NC003SG_20120506	NC003SG_20120506	NC002SG_20120509	NC005SG_20120506
		Sample ID	NC1001SG-000015-20120506	NC004SG-000015-20120509	NC003SG-000003-20120506	NC003SG-000015-20120506	NC002SG-000015-20120509	NC005SG-000010-20120506
		Sample Date	5/6/2012	5/9/2012	5/6/2012	5/6/2012	5/9/2012	5/6/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
		Water Column Depth	15.8	14.8	16.3	16.3	11.3	20.4
		Sample Type	FD	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
Total dioxin/furan TEQ 2005 (mammal) (U = 0)	--	--	--	--	--	8.78 J	--	--
Total dioxin/furan TEQ 2005 (mammal) (U = 1/2)	--	--	--	--	--	9.46 J	--	--
PCB Aroclors (µg/kg)								
Aroclor 1016	SW8082A	12 U	12 U	--	10 U	9.9 U	13 U	
Aroclor 1221	SW8082A	12 U	12 U	--	10 U	9.9 U	13 U	
Aroclor 1232	SW8082A	12 U	12 U	--	10 U	9.9 U	13 U	
Aroclor 1242	SW8082A	140	140	--	130	110	110	
Aroclor 1248	SW8082A	12 U	12 U	--	10 U	9.9 U	13 U	
Aroclor 1254	SW8082A	140	150	--	140	110	120	
Aroclor 1260	SW8082A	12 U	12 U	--	10 U	9.9 U	13 U	
Aroclor 1262	SW8082A	12 U	12 U	--	10 U	9.9 U	13 U	
Aroclor 1268	SW8082A	12 U	12 U	--	10 U	9.9 U	13 U	
Total PCB Aroclors (U = 0)	--	280	290	--	270	220	230	
Total PCB Aroclors (U = 1/2)	--	322	332	--	305	254.6	275.5	
PCB Congeners (ng/kg)								
PCB-001	E1668B	--	--	--	457	--	--	
PCB-002	E1668B	--	--	--	54.6	--	--	
PCB-003	E1668B	--	--	--	275	--	--	
PCB-004	E1668B	--	--	--	1120	--	--	
PCB-005	E1668B	--	--	--	21.6	--	--	
PCB-006	E1668B	--	--	--	446	--	--	
PCB-007	E1668B	--	--	--	54.8	--	--	
PCB-008	E1668B	--	--	--	1340	--	--	
PCB-009	E1668B	--	--	--	79.1	--	--	
PCB-010	E1668B	--	--	--	111	--	--	
PCB-011	E1668B	--	--	--	483	--	--	
PCB-012/013	E1668B	--	--	--	467	--	--	
PCB-014	E1668B	--	--	--	2.67 U	--	--	
PCB-015	E1668B	--	--	--	2450	--	--	
PCB-016	E1668B	--	--	--	1310	--	--	
PCB-017	E1668B	--	--	--	1860	--	--	

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2072	Spring Surface Sediment 2073	Spring Surface Sediment 2074	Spring Surface Sediment 2075	Spring Surface Sediment 2076	Spring Surface Sediment 2077
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	0.02	0.08	0.09	0.09	0.1	0.15
		Location ID	NC001SG_20120506	NC004SG_20120509	NC003SG_20120506	NC003SG_20120506	NC002SG_20120509	NC005SG_20120506
		Sample ID	NC1001SG-000015-20120506	NC004SG-000015-20120509	NC003SG-000003-20120506	NC003SG-000015-20120506	NC002SG-000015-20120509	NC005SG-000010-20120506
		Sample Date	5/6/2012	5/9/2012	5/6/2012	5/6/2012	5/9/2012	5/6/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
		Water Column Depth	15.8	14.8	16.3	16.3	11.3	20.4
		Sample Type	FD	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-018/030	E1668B	--	--	--	--	2900	--	--
PCB-019	E1668B	--	--	--	--	431	--	--
PCB-020/028	E1668B	--	--	--	--	8370 J	--	--
PCB-021/033	E1668B	--	--	--	--	1720	--	--
PCB-022	E1668B	--	--	--	--	1800	--	--
PCB-023	E1668B	--	--	--	--	4.78 J	--	--
PCB-024	E1668B	--	--	--	--	58.7 J	--	--
PCB-025	E1668B	--	--	--	--	1150	--	--
PCB-026/029	E1668B	--	--	--	--	1790	--	--
PCB-027	E1668B	--	--	--	--	557	--	--
PCB-031	E1668B	--	--	--	--	6780 J	--	--
PCB-032	E1668B	--	--	--	--	756	--	--
PCB-034	E1668B	--	--	--	--	51.6	--	--
PCB-035	E1668B	--	--	--	--	143	--	--
PCB-036	E1668B	--	--	--	--	3.29 U	--	--
PCB-037	E1668B	--	--	--	--	1580	--	--
PCB-038	E1668B	--	--	--	--	6.09 J	--	--
PCB-039	E1668B	--	--	--	--	52.1	--	--
PCB-040/071	E1668B	--	--	--	--	1640 J	--	--
PCB-041	E1668B	--	--	--	--	222 J	--	--
PCB-042	E1668B	--	--	--	--	1130 J	--	--
PCB-043	E1668B	--	--	--	--	199 J	--	--
PCB-044/047/065	E1668B	--	--	--	--	4430 J	--	--
PCB-045	E1668B	--	--	--	--	--	--	--
PCB-045/051	E1668B	--	--	--	--	763 J	--	--
PCB-046	E1668B	--	--	--	--	223 J	--	--
PCB-048	E1668B	--	--	--	--	708 J	--	--
PCB-049/069	E1668B	--	--	--	--	2740 J	--	--
PCB-050/053	E1668B	--	--	--	--	635 J	--	--
PCB-051	E1668B	--	--	--	--	--	--	--
PCB-052	E1668B	--	--	--	--	5450 J	--	--
PCB-054	E1668B	--	--	--	--	20.6	--	--
PCB-055	E1668B	--	--	--	--	79.7 J	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2072	Spring Surface Sediment 2073	Spring Surface Sediment 2074	Spring Surface Sediment 2075	Spring Surface Sediment 2076	Spring Surface Sediment 2077
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	0.02	0.08	0.09	0.09	0.1	0.15
		Location ID	NC001SG_20120506	NC004SG_20120509	NC003SG_20120506	NC003SG_20120506	NC002SG_20120509	NC005SG_20120506
		Sample ID	NC1001SG-000015-20120506	NC004SG-000015-20120509	NC003SG-000003-20120506	NC003SG-000015-20120506	NC002SG-000015-20120509	NC005SG-000010-20120506
		Sample Date	5/6/2012	5/9/2012	5/6/2012	5/6/2012	5/9/2012	5/6/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
		Water Column Depth	15.8	14.8	16.3	16.3	11.3	20.4
		Sample Type	FD	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-056	E1668B	--	--	--	--	1720 J	--	--
PCB-057	E1668B	--	--	--	--	18.3 J	--	--
PCB-058	E1668B	--	--	--	--	11.5 J	--	--
PCB-059/062/075	E1668B	--	--	--	--	426 J	--	--
PCB-060	E1668B	--	--	--	--	650 J	--	--
PCB-061/070/074/076	E1668B	--	--	--	--	4230 J	--	--
PCB-063	E1668B	--	--	--	--	112 J	--	--
PCB-064	E1668B	--	--	--	--	1230 J	--	--
PCB-066	E1668B	--	--	--	--	3480 J	--	--
PCB-067	E1668B	--	--	--	--	76.3 J	--	--
PCB-068	E1668B	--	--	--	--	29.8 J	--	--
PCB-072	E1668B	--	--	--	--	53.6 J	--	--
PCB-073	E1668B	--	--	--	--	59.6 J	--	--
PCB-077	E1668B	--	--	--	--	944 J	--	--
PCB-078	E1668B	--	--	--	--	2.48 UJ	--	--
PCB-079	E1668B	--	--	--	--	49.8 J	--	--
PCB-080	E1668B	--	--	--	--	33 J	--	--
PCB-081	E1668B	--	--	--	--	21.7	--	--
PCB-082	E1668B	--	--	--	--	480	--	--
PCB-083	E1668B	--	--	--	--	264	--	--
PCB-084	E1668B	--	--	--	--	842	--	--
PCB-085/116	E1668B	--	--	--	--	--	--	--
PCB-085/116/117	E1668B	--	--	--	--	703	--	--
PCB-086/087/097/108/119/125	E1668B	--	--	--	--	2530	--	--
PCB-088	E1668B	--	--	--	--	--	--	--
PCB-088/091	E1668B	--	--	--	--	503	--	--
PCB-089	E1668B	--	--	--	--	44.4	--	--
PCB-090/101/113	E1668B	--	--	--	--	4110	--	--
PCB-091	E1668B	--	--	--	--	--	--	--
PCB-092	E1668B	--	--	--	--	836	--	--
PCB-093/100	E1668B	--	--	--	--	51.2	--	--
PCB-094	E1668B	--	--	--	--	20.9	--	--
PCB-095	E1668B	--	--	--	--	1480	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2072	Spring Surface Sediment 2073	Spring Surface Sediment 2074	Spring Surface Sediment 2075	Spring Surface Sediment 2076	Spring Surface Sediment 2077
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	0.02	0.08	0.09	0.09	0.1	0.15
		Location ID	NC001SG_20120506	NC004SG_20120509	NC003SG_20120506	NC003SG_20120506	NC002SG_20120509	NC005SG_20120506
		Sample ID	NC1001SG-000015-20120506	NC004SG-000015-20120509	NC003SG-000003-20120506	NC003SG-000015-20120506	NC002SG-000015-20120509	NC005SG-000010-20120506
		Sample Date	5/6/2012	5/9/2012	5/6/2012	5/6/2012	5/9/2012	5/6/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
		Water Column Depth	15.8	14.8	16.3	16.3	11.3	20.4
		Sample Type	FD	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-096	E1668B	--	--	--	--	36.7	--	--
PCB-098	E1668B	--	--	--	--	--	--	--
PCB-098/102	E1668B	--	--	--	--	96	--	--
PCB-099	E1668B	--	--	--	--	2290	--	--
PCB-102	E1668B	--	--	--	--	--	--	--
PCB-103	E1668B	--	--	--	--	40.3	--	--
PCB-104	E1668B	--	--	--	--	2.11 U	--	--
PCB-105	E1668B	--	--	--	--	1450	--	--
PCB-106	E1668B	--	--	--	--	4.28 U	--	--
PCB-107/124	E1668B	--	--	--	--	140	--	--
PCB-109	E1668B	--	--	--	--	330	--	--
PCB-110	E1668B	--	--	--	--	--	--	--
PCB-110/115	E1668B	--	--	--	--	4720	--	--
PCB-111	E1668B	--	--	--	--	4.15	--	--
PCB-112	E1668B	--	--	--	--	1.6 U	--	--
PCB-114	E1668B	--	--	--	--	77	--	--
PCB-115	E1668B	--	--	--	--	--	--	--
PCB-117	E1668B	--	--	--	--	--	--	--
PCB-118	E1668B	--	--	--	--	3720	--	--
PCB-120	E1668B	--	--	--	--	24.9	--	--
PCB-121	E1668B	--	--	--	--	1.61 U	--	--
PCB-122	E1668B	--	--	--	--	44	--	--
PCB-123	E1668B	--	--	--	--	72.8	--	--
PCB-126	E1668B	--	--	--	--	29.8 J	--	--
PCB-127	E1668B	--	--	--	--	85 J	--	--
PCB-128/166	E1668B	--	--	--	--	689	--	--
PCB-129/138/163	E1668B	--	--	--	--	5400	--	--
PCB-130	E1668B	--	--	--	--	323	--	--
PCB-131	E1668B	--	--	--	--	63	--	--
PCB-132	E1668B	--	--	--	--	1640	--	--
PCB-133	E1668B	--	--	--	--	86.4	--	--
PCB-134	E1668B	--	--	--	--	294	--	--
PCB-135/151	E1668B	--	--	--	--	1650	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2072	Spring Surface Sediment 2073	Spring Surface Sediment 2074	Spring Surface Sediment 2075	Spring Surface Sediment 2076	Spring Surface Sediment 2077
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	0.02	0.08	0.09	0.09	0.1	0.15
		Location ID	NC001SG_20120506	NC004SG_20120509	NC003SG_20120506	NC003SG_20120506	NC002SG_20120509	NC005SG_20120506
		Sample ID	NC1001SG-000015-20120506	NC004SG-000015-20120509	NC003SG-000003-20120506	NC003SG-000015-20120506	NC002SG-000015-20120509	NC005SG-000010-20120506
		Sample Date	5/6/2012	5/9/2012	5/6/2012	5/6/2012	5/9/2012	5/6/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
		Water Column Depth	15.8	14.8	16.3	16.3	11.3	20.4
		Sample Type	FD	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-136	E1668B	--	--	--	--	592	--	--
PCB-137	E1668B	--	--	--	--	174	--	--
PCB-139/140	E1668B	--	--	--	--	87.9	--	--
PCB-141	E1668B	--	--	--	--	809	--	--
PCB-142	E1668B	--	--	--	--	3.18 U	--	--
PCB-143	E1668B	--	--	--	--	7.12	--	--
PCB-144	E1668B	--	--	--	--	216	--	--
PCB-145	E1668B	--	--	--	--	0.856 U	--	--
PCB-146	E1668B	--	--	--	--	868	--	--
PCB-147/149	E1668B	--	--	--	--	4500	--	--
PCB-148	E1668B	--	--	--	--	12.1	--	--
PCB-150	E1668B	--	--	--	--	16.1	--	--
PCB-152	E1668B	--	--	--	--	5.38	--	--
PCB-153/168	E1668B	--	--	--	--	4640	--	--
PCB-154	E1668B	--	--	--	--	106	--	--
PCB-155	E1668B	--	--	--	--	5.66	--	--
PCB-156/157	E1668B	--	--	--	--	494	--	--
PCB-158	E1668B	--	--	--	--	495	--	--
PCB-159	E1668B	--	--	--	--	3.1 U	--	--
PCB-160	E1668B	--	--	--	--	2.27 U	--	--
PCB-161	E1668B	--	--	--	--	2.2 U	--	--
PCB-162	E1668B	--	--	--	--	3.03 U	--	--
PCB-164	E1668B	--	--	--	--	342	--	--
PCB-165	E1668B	--	--	--	--	3.77 J	--	--
PCB-167	E1668B	--	--	--	--	177	--	--
PCB-169	E1668B	--	--	--	--	3.89 U	--	--
PCB-170	E1668B	--	--	--	--	1280	--	--
PCB-171/173	E1668B	--	--	--	--	437	--	--
PCB-172	E1668B	--	--	--	--	212	--	--
PCB-174	E1668B	--	--	--	--	1360	--	--
PCB-175	E1668B	--	--	--	--	59.8	--	--
PCB-176	E1668B	--	--	--	--	171	--	--
PCB-177	E1668B	--	--	--	--	902	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2072	Spring Surface Sediment 2073	Spring Surface Sediment 2074	Spring Surface Sediment 2075	Spring Surface Sediment 2076	Spring Surface Sediment 2077
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	0.02	0.08	0.09	0.09	0.1	0.15
		Location ID	NC001SG_20120506	NC004SG_20120509	NC003SG_20120506	NC003SG_20120506	NC002SG_20120509	NC005SG_20120506
		Sample ID	NC1001SG-000015-20120506	NC004SG-000015-20120509	NC003SG-000003-20120506	NC003SG-000015-20120506	NC002SG-000015-20120509	NC005SG-000010-20120506
		Sample Date	5/6/2012	5/9/2012	5/6/2012	5/6/2012	5/9/2012	5/6/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
		Water Column Depth	15.8	14.8	16.3	16.3	11.3	20.4
		Sample Type	FD	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-178	E1668B	--	--	--	--	297	--	--
PCB-179	E1668B	--	--	--	--	641	--	--
PCB-180/193	E1668B	--	--	--	--	3110	--	--
PCB-181	E1668B	--	--	--	--	10.1	--	--
PCB-182	E1668B	--	--	--	--	6.2 J	--	--
PCB-183	E1668B	--	--	--	--	--	--	--
PCB-183/185	E1668B	--	--	--	--	946	--	--
PCB-184	E1668B	--	--	--	--	3.05	--	--
PCB-185	E1668B	--	--	--	--	--	--	--
PCB-186	E1668B	--	--	--	--	1.34 U	--	--
PCB-187	E1668B	--	--	--	--	2080	--	--
PCB-188	E1668B	--	--	--	--	6.1	--	--
PCB-189	E1668B	--	--	--	--	42.3	--	--
PCB-190	E1668B	--	--	--	--	259	--	--
PCB-191	E1668B	--	--	--	--	55.2	--	--
PCB-192	E1668B	--	--	--	--	2.3 U	--	--
PCB-194	E1668B	--	--	--	--	648	--	--
PCB-195	E1668B	--	--	--	--	258	--	--
PCB-196	E1668B	--	--	--	--	352	--	--
PCB-197	E1668B	--	--	--	--	--	--	--
PCB-197/200	E1668B	--	--	--	--	99	--	--
PCB-198/199	E1668B	--	--	--	--	859	--	--
PCB-200	E1668B	--	--	--	--	--	--	--
PCB-201	E1668B	--	--	--	--	99.2	--	--
PCB-202	E1668B	--	--	--	--	231	--	--
PCB-203	E1668B	--	--	--	--	469	--	--
PCB-204	E1668B	--	--	--	--	1.23 U	--	--
PCB-205	E1668B	--	--	--	--	33.9	--	--
PCB-206	E1668B	--	--	--	--	547	--	--
PCB-207	E1668B	--	--	--	--	48.3	--	--
PCB-208	E1668B	--	--	--	--	197	--	--
PCB-209	E1668B	--	--	--	--	499	--	--
Total PCB congener (U = 0)	--	--	--	--	--	135005 J	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2072	Spring Surface Sediment 2073	Spring Surface Sediment 2074	Spring Surface Sediment 2075	Spring Surface Sediment 2076	Spring Surface Sediment 2077
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.02	0.08	0.09	0.09	0.1	0.15
Location ID		NC001SG_20120506	NC004SG_20120509	NC003SG_20120506	NC003SG_20120506	NC002SG_20120509	NC005SG_20120506
Sample ID		NC1001SG-000015-20120506	NC004SG-000015-20120509	NC003SG-000003-20120506	NC003SG-000015-20120506	NC002SG-000015-20120509	NC005SG-000010-20120506
Sample Date		5/6/2012	5/9/2012	5/6/2012	5/6/2012	5/9/2012	5/6/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
Water Column Depth		15.8	14.8	16.3	16.3	11.3	20.4
Sample Type		FD	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total PCB congener (U = 1/2)	--	--	--	--	135025.718 J	--	--
Total PCB congener TEQ 1998 (avian) (U = 0)	--	--	--	--	52.59 J	--	--
Total PCB congener TEQ 1998 (avian) (U = 1/2)	--	--	--	--	52.59 J	--	--
Total PCB congener TEQ 1998 (fish) (U = 0)	--	--	--	--	0.28 J	--	--
Total PCB congener TEQ 1998 (fish) (U = 1/2)	--	--	--	--	0.28 J	--	--
Total PCB congener TEQ 2005 (mammal) (U = 0)	--	--	--	--	3.26 J	--	--
Total PCB congener TEQ 2005 (mammal) (U = 1/2)	--	--	--	--	3.32 J	--	--
Total Petroleum Hydrocarbons (mg/kg)							
Diesel range organics (C10 - C28)	SW8015M	876	603	--	1150	596	747
Phytane	SW8015M	0.936 J	0.462 J	--	3.06	1.14 J	0.737 J
Pristane	SW8015M	0.505 J	0.306 J	--	0.578 J	0.337 J	0.361 J
Total petroleum hydrocarbons (C9-C40)	SW8015M	1710	1180	--	2110	1130	1560
Radionuclides (pci/g)							
Beryllium 7	HASL300	--	--	1.16	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2078	Spring Surface Sediment 2079	Spring Surface Sediment 2080	Spring Surface Sediment 2081	Spring Surface Sediment 2082	Spring Surface Sediment 2083
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.21	0.21	0.21	0.31	0.31	0.32
Location ID		NC006SG_20120509	NC007SG_20120509	NC008SG_20120509	NC010SG_20120506	NC011SG_20120510	NC009SG_20120510
Sample ID		NC006SG-000013-20120509	NC007SG-000013-20120509	NC008SG-000015-20120509	NC010SG-000015-20120506	NC011SG-000013-20120510	NC009SG-000015-20120510
Sample Date		5/9/2012	5/9/2012	5/9/2012	5/6/2012	5/10/2012	5/10/2012
Sample Depth		0 - 13 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm
Water Column Depth		9.4	22.9	8.4	21.9	6.1	12.3
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Conventional Parameters (lb/ft³)							
Density	D7263	28.5	26.3	27.4	27	27.9	27.6
Conventional Parameters (mg/kg)							
Ammonia as nitrogen	SM4500NH3H	20 U	24 U	23 U	21 U	22 U	22 U
Cyanide, total	SW9012A	2.6 U	2.9 U	2.8 U	2.9 U	2.8 U	2.8 U
Nitrate + nitrite as nitrogen	SM4500NO3F	7.3 U	7.4 U	8.1	5.4 J	8	8.2
Nitrogen ((No Suggestions))	SM4500NORGC	3300	4400	3100	3900	3500 J	3600 J
Phosphorus	SM4500PE	1800 J	1800 J	2200 J	1700 J	1900	1900
Sulfide	SW9030B	1400 J	2200 J	330 J	2600 J	3000	1200
Conventional Parameters (pct)							
Moisture (water) content	D2216	--	198.4	--	--	--	--
Moisture, percent	D2216	--	68.2	--	--	--	--
Soot carbon	SOOTC	0.259	0.4	0.248	0.216	0.202	0.24
Total organic carbon	SW9060	2.49	2.08	1.865	2.26	2.515	2.37
Total solids	SM2540G	34.6	32.5	33.1	33.2	34.2	33.3
Conventional Parameters (SU)							
pH	SW9045C	7.7	7.8	7.3	8	7.4	7.3
Conventional Parameters (unitless)							
Liquid limit	D4318	--	112	--	--	--	--
Plastic limit	D4318	--	41	--	--	--	--
Plasticity index	D4318	--	71	--	--	--	--
Specific gravity	D854	--	2.62	--	--	--	--
Grain Size (pct)							
Cobbles	D422	0	0	0	0	0	0
Gravel	D422	0.2	0	0	0	0.8	0
Sand	D422	3.9	4	0.8	1.6	2.8	3.4
Fines (silt + clay)	D422	95.9	96	99.2	98.4	96.4	96.6
Percent passing 0.375 inch (3/8 inch sieve)	D422	100	--	--	--	100	--
Percent passing 0.5 inch (1/2 inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4 inch sieve)	D422	--	--	--	--	--	--
Percent passing 1 inch (1 inch sieve)	D422	--	--	--	--	--	--
Percent passing 75 micron sieve (#200)	D422	96	96	99	98	96	97
Percent passing 150 micron sieve (#100)	D422	97	97	100	99	98	98

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2078	Spring Surface Sediment 2079	Spring Surface Sediment 2080	Spring Surface Sediment 2081	Spring Surface Sediment 2082	Spring Surface Sediment 2083
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.21	0.21	0.21	0.31	0.31	0.32
Location ID		NC006SG_20120509	NC007SG_20120509	NC008SG_20120509	NC010SG_20120506	NC011SG_20120510	NC009SG_20120510
Sample ID		NC006SG-000013-20120509	NC007SG-000013-20120509	NC008SG-000015-20120509	NC010SG-000015-20120506	NC011SG-000013-20120510	NC009SG-000015-20120510
Sample Date		5/9/2012	5/9/2012	5/9/2012	5/6/2012	5/10/2012	5/10/2012
Sample Depth		0 - 13 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm
Water Column Depth		9.4	22.9	8.4	21.9	6.1	12.3
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Percent passing 250 micron sieve (#60)	D422	98	98	100	99	98	98
Percent passing 425 micron sieve (#40)	D422	99	98	100	100	98	98
Percent passing 850 micron sieve (#20)	D422	99	99	100	100	98	99
Percent passing 2000 micron sieve (#10)	D422	100	100	100	100	99	99
Percent passing 4750 micron sieve (#4)	D422	100	100	100	100	99	100
Metals (mg/kg)							
Aluminum	SW6020A	15600	17600	16900	14200 J	16500	17900
Antimony	SW6020A	0.398 J	0.641 J	0.393 J	0.331 J	0.336 J	0.355 J
Arsenic	SW6020A	9.99	10.8	10.7	11.2	10.7 J	11.2 J
Barium	SW6020A	56.7	68.5	57.5	66.1	65.5 J	62.5 J
Beryllium	SW6020A	0.756	0.916	0.8	0.866	0.872 J	0.885 J
Cadmium	SW6020A	0.836	0.915	0.662	1.16 J	0.878	0.866
Calcium	SW6020A	6800	7320	5400	6470	9090	6420
Chromium	SW6020A	66.9 J	65.8 J	60.9 J	68.2 J	65.9	68.8
Cobalt	SW6020A	12.4	12.8	13.1	12.6	13	14.2
Copper	SW6020A	105	111	91.2	122	112	109
Iron	SW6020A	31200	36500	35300	33600	35000	36000
Lead	SW6020A	107	115	94.3	121	113	117
Magnesium	SW6020A	9710	11000	9980	9390	10100	10100
Manganese	SW6020A	508	520	561	511	494 J	571 J
Mercury	E1631M	1.08 J	0.805 J	0.683 J	0.869 J	0.331 J	0.734 J
Nickel	SW6020A	35.3	37.9	35	37.2	38	39.8
Potassium	SW6020A	3550	4180	3730	3230	3820 J	3860 J
Selenium	SW6020A	1.52	1.58	1.37	1.35	1.65 J	1.78 J
Silver	SW6020A	2.8	2.72	2.11	2.77	2.55 J	2.25 J
Sodium	SW6020A	16200 J	18700 J	17500 J	16300 J	16000 J	16200 J
Thallium	SW6020A	0.193	0.227	0.191	0.267	0.22	0.221
Tin	SW6020A	11.5	11.8	10.4	12.6	12.3	11.2
Vanadium	SW6020A	36.8	39	37.3	36.6 J	39.5 J	42.4 J
Zinc	SW6020A	218	235	193	278 J	239 J	227 J
Organometallic Compounds (µg/kg)							
Methyl mercury	E1630M	--	2.13	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2078	Spring Surface Sediment 2079	Spring Surface Sediment 2080	Spring Surface Sediment 2081	Spring Surface Sediment 2082	Spring Surface Sediment 2083
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.21	0.21	0.21	0.31	0.31	0.32
Location ID		NC006SG_20120509	NC007SG_20120509	NC008SG_20120509	NC010SG_20120506	NC011SG_20120510	NC009SG_20120510
Sample ID		NC006SG-000013-20120509	NC007SG-000013-20120509	NC008SG-000015-20120509	NC010SG-000015-20120506	NC011SG-000013-20120510	NC009SG-000015-20120510
Sample Date		5/9/2012	5/9/2012	5/9/2012	5/6/2012	5/10/2012	5/10/2012
Sample Depth		0 - 13 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm
Water Column Depth		9.4	22.9	8.4	21.9	6.1	12.3
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Volatile Organics (µg/kg)							
1,1,1-Trichloroethane	SW8260B	2.9 U	3.1 U	3 U	3 U	2.9 U	3 U
1,1,2,2-Tetrachloroethane	SW8260B	2.9 U	3.1 U	3 U	3 U	2.9 U	3 U
1,1,2-Trichloroethane	SW8260B	4.3 U	4.6 U	4.5 U	4.5 U	4.4 U	4.5 U
1,1,2-Trichlorotrifluoroethane	SW8260B	58 U	62 U	60 U	60 U	58 U	60 U
1,1-Dichloroethane	SW8260B	4.3 U	4.6 U	4.5 U	4.5 U	4.4 U	4.5 U
1,1-Dichloroethene	SW8260B	2.9 U	3.1 U	3 U	3 U	2.9 U	3 U
1,2,3-Trichlorobenzene	SW8260B	14 U	15 U	15 U	15 U	15 U	15 U
1,2,4-Trichlorobenzene	SW8260B	14 U	15 U	15 U	15 U	15 U	15 U
1,2-Dibromo-3-chloropropane	SW8260B	14 U	15 U	15 U	15 UJ	15 U	15 U
1,2-Dichlorobenzene	SW8260B	14 U	15 U	15 U	15 U	15 U	15 U
1,2-Dichloroethane	SW8260B	2.9 U	3.1 U	3 U	3 U	2.9 U	3 U
1,2-Dichloroethene, cis-	SW8260B	2.9 U	3.1 U	3 U	3 U	2.9 U	3 U
1,2-Dichloroethene, trans-	SW8260B	4.3 U	4.6 U	4.5 U	4.5 U	4.4 U	4.5 U
1,2-Dichloropropane	SW8260B	10 U	11 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	SW8260B	14 U	15 U	15 U	15 U	15 U	15 U
1,3-Dichloropropene, cis-	SW8260B	2.9 U	3.1 U	3 U	3 U	2.9 U	3 U
1,3-Dichloropropene, trans-	SW8260B	2.9 U	3.1 U	3 U	3 U	2.9 U	3 U
1,4-Dichlorobenzene	SW8260B	14 U	15 U	15 U	1 J	15 U	15 U
2-Butanone (MEK)	SW8260B	77	76	78	72	100	53
2-Hexanone (methyl butyl ketone)	SW8260B	29 U	31 U	30 U	30 U	29 U	30 U
Acetone	SW8260B	370	330	340	340	470	240
Benzene	SW8260B	2.9 U	3.1 U	3 U	3 U	2.9 U	3 U
Bromochloromethane	SW8260B	14 U	15 U	15 U	15 U	15 U	15 U
Bromodichloromethane	SW8260B	2.9 U	3.1 U	3 U	3 U	2.9 U	3 U
Bromoform (tribromomethane)	SW8260B	12 U	12 U	12 U	12 U	12 U	12 U
Bromomethane (methyl bromide)	SW8260B	5.8 U	6.2 U	6 U	6 UJ	5.8 U	6 U
Carbon disulfide	SW8260B	22 J	25 J	11 J	25 J	23 J	9.4 J
Carbon tetrachloride (tetrachloromethane)	SW8260B	2.9 U	3.1 U	3 U	3 U	2.9 U	3 U
Chlorobenzene	SW8260B	2.9 U	3.1 U	3 U	3 U	2.9 U	3 U
Chloroethane	SW8260B	5.8 U	6.2 U	6 U	6 U	5.8 U	6 U
Chloroform	SW8260B	4.3 U	4.6 U	4.5 U	4.5 U	4.4 U	4.5 U

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2078	Spring Surface Sediment 2079	Spring Surface Sediment 2080	Spring Surface Sediment 2081	Spring Surface Sediment 2082	Spring Surface Sediment 2083
Task		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
Tributary		0.21	0.21	0.21	0.31	0.31	0.32
River Mile		NC006SG_20120509	NC007SG_20120509	NC008SG_20120509	NC010SG_20120506	NC011SG_20120510	NC009SG_20120510
Location ID		NC006SG-000013-20120509	NC007SG-000013-20120509	NC008SG-000015-20120509	NC010SG-000015-20120506	NC011SG-000013-20120510	NC009SG-000015-20120510
Sample ID		5/9/2012	5/9/2012	5/9/2012	5/6/2012	5/10/2012	5/10/2012
Sample Date		0 - 13 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm
Sample Depth		9.4	22.9	8.4	21.9	6.1	12.3
Water Column Depth		N	N	N	N	N	N
Sample Type		SE	SE	SE	SE	SE	SE
Matrix							
Chloromethane	SW8260B	14 U	15 U	15 U	15 U	15 U	15 U
Cyclohexane	SW8260B	58 U	62 U	60 U	60 U	58 U	60 U
Dibromochloromethane	SW8260B	2.9 U	3.1 U	3 U	3 U	2.9 U	3 U
Dichlorodifluoromethane	SW8260B	29 U	31 U	30 U	30 U	29 U	30 U
Dichloromethane (methylene chloride)	SW8260B	29 U	31 U	30 U	30 U	29 U	30 U
Ethylbenzene	SW8260B	2.9 U	3.1 U	3 U	3 U	2.9 U	3 U
Ethylene dibromide (1,2-Dibromoethane)	SW8260B	12 U	12 U	12 U	12 U	12 U	12 U
Isopropylbenzene (cumene)	SW8260B	2.9 U	3.1 U	3 U	3 U	2.9 U	3 U
m,p-Xylene	SW8260B	5.8 U	6.2 U	6 U	6 U	5.8 U	6 U
Methyl acetate	SW8260B	58 U	62 U	60 U	60 U	58 U	60 U
Methyl isobutyl ketone (4-methyl-2-pentanone [MIBK])	SW8260B	29 U	31 U	30 U	30 U	29 U	30 U
Methyl tert-butyl ether (MTBE)	SW8260B	5.8 U	6.2 U	6 U	6 U	5.8 U	6 U
Methylcyclohexane	SW8260B	12 U	12 U	12 U	12 U	12 U	12 U
o-Xylene	SW8260B	5.8 U	6.2 U	6 U	6 U	5.8 U	6 U
Styrene	SW8260B	5.8 U	6.2 U	6 U	6 U	5.8 U	6 U
Tetrachloroethene (PCE)	SW8260B	2.9 U	3.1 U	3 U	3 U	2.9 U	3 U
Toluene	SW8260B	4.3 U	4.6 U	4.5 U	4.5 U	4.4 U	1 J
Total BTEX (U = 0)	--	5.8 U	6.2 U	6 U	6 U	5.8 U	1 J
Total BTEX (U = 1/2)	--	5.8 U	6.2 U	6 U	6 U	5.8 U	10 J
Total xylene (U = 0)	--	5.8 U	6.2 U	6 U	6 U	5.8 U	6 U
Total xylene (U = 1/2)	--	5.8 U	6.2 U	6 U	6 U	5.8 U	6 U
Trichloroethene (TCE)	SW8260B	2.9 U	3.1 U	3 U	3 U	2.9 U	3 U
Trichlorofluoromethane (fluorotrichloromethane)	SW8260B	14 U	15 U	15 U	15 U	15 U	15 U
Vinyl acetate	SW8260B	29 U	31 U	30 U	30 U	29 U	30 U
Vinyl chloride	SW8260B	5.8 U	6.2 U	6 U	6 U	5.8 U	6 U
Semivolatile Organics (µg/kg)							
1,2,4,5-Tetrachlorobenzene	SW8270C	920 U	990 U	950 U	480 U	970 U	910 U
1,4-Dioxane	SW8270C	1900 UJ	2000 UJ	1900 UJ	980 U	2000 U	1800 U
2,3,4,6-Tetrachlorophenol	SW8270C	920 UJ	990 UJ	950 UJ	480 U	970 U	910 U
2,4,5-Trichlorophenol	SW8270C	920 UJ	990 UJ	950 UJ	480 U	970 U	910 U
2,4,6-Trichlorophenol	SW8270C	920 UJ	990 UJ	950 UJ	480 U	970 U	910 U

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2078	Spring Surface Sediment 2079	Spring Surface Sediment 2080	Spring Surface Sediment 2081	Spring Surface Sediment 2082	Spring Surface Sediment 2083
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.21	0.21	0.21	0.31	0.31	0.32
Location ID		NC006SG_20120509	NC007SG_20120509	NC008SG_20120509	NC010SG_20120506	NC011SG_20120510	NC009SG_20120510
Sample ID		NC006SG-000013-20120509	NC007SG-000013-20120509	NC008SG-000015-20120509	NC010SG-000015-20120506	NC011SG-000013-20120510	NC009SG-000015-20120510
Sample Date		5/9/2012	5/9/2012	5/9/2012	5/6/2012	5/10/2012	5/10/2012
Sample Depth		0 - 13 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm
Water Column Depth		9.4	22.9	8.4	21.9	6.1	12.3
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
2,4-Dichlorophenol	SW8270C	190 UJ	200 UJ	190 UJ	98 U	200 U	180 U
2,4-Dimethylphenol	SW8270C	920 UJ	990 UJ	950 UJ	480 UJ	970 UJ	910 UJ
2,4-Dinitrophenol	SW8270C	4800 UJ	5100 UJ	4900 UJ	2500 U	5000 UJ	4700 UJ
2,4-Dinitrotoluene	SW8270C	920 UJ	990 UJ	950 UJ	480 U	970 U	910 U
2,6-Dinitrotoluene	SW8270C	920 U	990 U	950 U	480 U	970 U	910 U
2-Chloronaphthalene	SW8270C	190 UJ	200 UJ	190 UJ	98 U	200 U	180 U
2-Chlorophenol	SW8270C	920 UJ	990 UJ	950 UJ	480 U	970 U	910 U
2-Methylnaphthalene	SW8270C	93 J	98 J	67 J	51 J	60 J	68 J
2-Methylphenol (o-Cresol)	SW8270C	920 U	990 U	950 U	480 U	970 U	910 U
2-Nitroaniline	SW8270C	4800 U	5100 U	4900 U	2500 U	5000 U	4700 U
2-Nitrophenol	SW8270C	920 UJ	990 UJ	950 UJ	480 U	970 U	910 U
3,3'-Dichlorobenzidine	SW8270C	920 UJ	990 UJ	950 UJ	480 U	970 UJ	910 UJ
3-methylphenol and 4-methylphenol (m&p-cresol)	SW8270C	920 U	990 U	950 U	180 J	970 U	370 J
3-Nitroaniline	SW8270C	4800 U	5100 U	4900 U	2500 U	5000 U	4700 U
4-Bromophenyl-phenyl ether	SW8270C	920 U	990 U	950 U	480 U	970 U	910 U
4-Chloro-3-methylphenol	SW8270C	920 UJ	990 UJ	950 UJ	480 U	970 U	910 U
4-Chloroaniline	SW8270C	920 U	990 U	950 U	480 U	970 U	910 U
4-Chlorophenyl phenyl ether	SW8270C	920 UJ	990 UJ	950 UJ	480 U	970 U	910 U
4-Nitroaniline	SW8270C	4800 UJ	5100 UJ	4900 UJ	2500 U	5000 UJ	4700 UJ
4-Nitrophenol	SW8270C	4800 UJ	5100 UJ	4900 UJ	2500 U	5000 UJ	4700 UJ
Acenaphthene	SW8270C	170 J	100 J	57 J	57 J	76 J	58 J
Acenaphthylene	SW8270C	160 J	140 J	110 J	80 J	140 J	95 J
Acetophenone	SW8270C	920 U	990 U	950 U	480 U	970 U	910 U
Anthracene	SW8270C	360 J	310 J	310 J	160	250	200
Atrazine	SW8270C	920 UJ	990 UJ	950 UJ	480 UJ	970 UJ	910 UJ
Benzaldehyde	SW8270C	920 UJ	990 UJ	950 UJ	480 UJ	970 UJ	220 J
Benzo(a)anthracene	SW8270C	1100 J	680 J	640 J	330	700	540
Benzo(a)pyrene	SW8270C	1300	860	760	360	720	620
Benzo(b)fluoranthene	SW8270C	1500 J	830 J	680 J	310	700	720
Benzo(g,h,i)perylene	SW8270C	690 J	390 J	360 J	190	430	360
Benzo(k)fluoranthene	SW8270C	660	360	330	180	290	190
Biphenyl (1,1'-Biphenyl)	SW8270C	920 UJ	990 UJ	950 UJ	480 U	970 U	910 U

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2078	Spring Surface Sediment 2079	Spring Surface Sediment 2080	Spring Surface Sediment 2081	Spring Surface Sediment 2082	Spring Surface Sediment 2083
Task		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
Tributary		0.21	0.21	0.21	0.31	0.31	0.32
River Mile		NC006SG_20120509	NC007SG_20120509	NC008SG_20120509	NC010SG_20120506	NC011SG_20120510	NC009SG_20120510
Location ID		NC006SG-000013-20120509	NC007SG-000013-20120509	NC008SG-000015-20120509	NC010SG-000015-20120506	NC011SG-000013-20120510	NC009SG-000015-20120510
Sample ID		5/9/2012	5/9/2012	5/9/2012	5/6/2012	5/10/2012	5/10/2012
Sample Date		0 - 13 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm
Sample Depth		9.4	22.9	8.4	21.9	6.1	12.3
Water Column Depth		N	N	N	N	N	N
Sample Type		SE	SE	SE	SE	SE	SE
Matrix							
bis(2-Chloroethoxy)methane	SW8270C	920 U	990 U	950 U	480 U	970 U	910 U
bis(2-Chloroethyl)ether	SW8270C	190 UJ	200 UJ	190 UJ	98 U	200 U	180 U
bis(2-Chloroisopropyl)ether	SW8270C	190 U	200 U	190 U	98 U	200 U	180 U
Bis(2-ethylhexyl)phthalate	SW8270C	1900	2000	1600 J	890 J	1700 J	1700 J
Butylbenzyl phthalate	SW8270C	920 U	990 U	950 U	480 U	150 J	910 U
Caprolactam	SW8270C	4800 UJ	5100 UJ	4900 UJ	2500 U	5000 UJ	4700 UJ
Carbazole	SW8270C	170 J	36 J	46 J	20 J	52 J	55 J
Chrysene	SW8270C	1500 J	740 J	640 J	350	680	590
Dibenzo(a,h)anthracene	SW8270C	220 J	120 J	93 J	59 J	120 J	90 J
Dibenzofuran	SW8270C	920 UJ	990 UJ	950 UJ	480 U	970 U	910 U
Diethyl phthalate	SW8270C	920 UJ	990 UJ	950 UJ	480 U	970 U	910 U
Dimethyl phthalate	SW8270C	920 UJ	990 UJ	950 UJ	480 U	970 U	910 U
Di-n-butyl phthalate	SW8270C	920 U	990 U	950 U	480 U	970 U	910 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)	SW8270C	4800 UJ	5100 UJ	4900 UJ	2500 U	5000 U	4700 U
Di-n-octyl phthalate	SW8270C	920 U	990 U	950 U	480 U	970 U	910 U
Fluoranthene	SW8270C	2800 J	930 J	750 J	450	970	710
Fluorene	SW8270C	180 J	120 J	82 J	66 J	87 J	74 J
Hexachlorobenzene	SW8270C	190 UJ	200 UJ	190 UJ	98 U	200 U	180 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270C	190 UJ	200 UJ	190 UJ	98 U	200 U	180 U
Hexachlorocyclopentadiene	SW8270C	920 U	990 U	950 U	480 U	970 U	910 U
Hexachloroethane	SW8270C	920 U	990 U	950 U	480 U	970 U	910 U
Indeno(1,2,3-c,d)pyrene	SW8270C	620 J	390 J	360 J	170	380	340
Isophorone	SW8270C	920 U	990 U	950 U	480 U	970 U	910 U
Naphthalene	SW8270C	160 J	180 J	96 J	120	100 J	120 J
Nitrobenzene	SW8270C	1900 U	2000 U	1900 U	980 U	2000 U	1800 U
N-Nitrosodi-N-propylamine	SW8270C	190 U	200 U	190 U	98 U	200 U	180 U
N-Nitrosodiphenylamine	SW8270C	920 U	990 U	950 U	480 U	970 U	910 U
Pentachlorophenol	SW8270C	920 UJ	990 UJ	950 UJ	480 U	970 UJ	910 UJ
Phenanthrene	SW8270C	1600 J	390 J	390 J	220	420	380
Phenol	SW8270C	190 U	200 U	190 U	98 U	200 U	50 J
Pyrene	SW8270C	3100	1400	1100	640	1200	1000

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2078	Spring Surface Sediment 2079	Spring Surface Sediment 2080	Spring Surface Sediment 2081	Spring Surface Sediment 2082	Spring Surface Sediment 2083
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.21	0.21	0.21	0.31	0.31	0.32
Location ID		NC006SG_20120509	NC007SG_20120509	NC008SG_20120509	NC010SG_20120506	NC011SG_20120510	NC009SG_20120510
Sample ID		NC006SG-000013-20120509	NC007SG-000013-20120509	NC008SG-000015-20120509	NC010SG-000015-20120506	NC011SG-000013-20120510	NC009SG-000015-20120510
Sample Date		5/9/2012	5/9/2012	5/9/2012	5/6/2012	5/10/2012	5/10/2012
Sample Depth		0 - 13 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm
Water Column Depth		9.4	22.9	8.4	21.9	6.1	12.3
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total cresol (o,m,p) (U = 0)	--	920 U	990 U	950 U	180 J	970 U	370 J
Total cresol (o,m,p) (U = 1/2)	--	920 U	990 U	950 U	420 J	970 U	825 J
Polycyclic Aromatic Hydrocarbons (µg/kg)							
1,6,7-Trimethylnaphthalene	SW8270CMSIM	24	33.9	42	34.8	27	18 J
1-Methyldibenzothiophene	SW8270CMSIM	17.3 J	23.1	57.9	17.8 J	16.5 J	13.4 J
1-Methylnaphthalene	SW8270CMSIM	88.8	112	84.1	91.2	67.1	67.7
1-Methylphenanthrene	SW8270CMSIM	154	190	567	129	153	152
2,6-Dimethylnaphthalene	SW8270CMSIM	107	145	107	140	97.9	92.8
2-Methylantracene	SW8270CMSIM	123	161	384	102	116	103
2-Methyldibenzothiophene and 3-methyldibenzothiophene	SW8270CMSIM	34.3	41.9	113	52.9	26.6	17.1 J
2-Methylnaphthalene	SW8270CMSIM	176	191	136	194	132	118
2-Methylphenanthrene	SW8270CMSIM	178	165	277	122	120	117
4-Methyldibenzothiophene	SW8270CMSIM	57.7	75.3	209	55.1	50.2	45.7
4-Methylphenanthrene and 9-methylphenanthrene	SW8270CMSIM	207	232	671	173	162	147
Acenaphthene	SW8270CMSIM	180	179	389	169	89	92.4
Acenaphthylene	SW8270CMSIM	323	357	391	238	199	137
Anthracene	SW8270CMSIM	572	735	1180	472	390	364
Benzo(a)anthracene	SW8270CMSIM	1040	1060	2500	1050	1020	842
Benzo(a)pyrene	SW8270CMSIM	1290	1250	2960	1170	1280	1040
Benzo(b)fluoranthene	SW8270CMSIM	1140	1080	2220	1000	1090	889
Benzo(e)pyrene	SW8270CMSIM	893	866	1720	859	896	738
Benzo(g,h,i)perylene	SW8270CMSIM	770	686	1570	662	770	628
Benzo(j,k)fluoranthene	SW8270CMSIM	903	838	2240	949	991	846
Benzonaphthothiophene	SW8270CMSIM	353	349	633	297	357	296
Benzothiophene	SW8270CMSIM	12 J	13 J	8.11 J	14.5 J	7.52 J	6.76 J
Carbazole	SW8270CMSIM	106	44	48.2	58.3	50.3	42.9
Chrysene	SW8270CMSIM	1160	1110	2460	1170	1120	909
Decalin, cis and trans-	SW8270CMSIM	9.61	14.5	9.98	14.8	14.4	13.6
Dibenzo(a,h)anthracene and dibenzo(a,c)anthracene	SW8270CMSIM	227	197	517	214	253	202
Dibenzothiophene	SW8270CMSIM	112	115	220	103	80.3	77.5

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2078	Spring Surface Sediment 2079	Spring Surface Sediment 2080	Spring Surface Sediment 2081	Spring Surface Sediment 2082	Spring Surface Sediment 2083
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.21	0.21	0.21	0.31	0.31	0.32
Location ID		NC006SG_20120509	NC007SG_20120509	NC008SG_20120509	NC010SG_20120506	NC011SG_20120510	NC009SG_20120510
Sample ID		NC006SG-000013-20120509	NC007SG-000013-20120509	NC008SG-000015-20120509	NC010SG-000015-20120506	NC011SG-000013-20120510	NC009SG-000015-20120510
Sample Date		5/9/2012	5/9/2012	5/9/2012	5/6/2012	5/10/2012	5/10/2012
Sample Depth		0 - 13 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm
Water Column Depth		9.4	22.9	8.4	21.9	6.1	12.3
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Fluoranthene	SW8270CMSIM	2300	1960	3050	2000	2020	1730
Fluorene	SW8270CMSIM	143	147	100	143	95.4	97
Indeno(1,2,3-c,d)pyrene	SW8270CMSIM	826	724	1870	651	811	634
Naphthalene	SW8270CMSIM	297	364	194	472	208	172
Perylene	SW8270CMSIM	506	508	923	490	534	485
Phenanthrene	SW8270CMSIM	1200	772	798	696	649	639
Pyrene	SW8270CMSIM	2460	2210	3790	2160	2260	1870
Retene	SW8270CMSIM	163	176 J	197 J	157	214	161
Total benzofluoranthenes (U = 0)	--	2043	1918	4460	1949	2081	1735
Total benzofluoranthenes (U = 1/2)	--	2043	1918	4460	1949	2081	1735
Total cPAH TEQ (USEPA 1993) (U = 0)	--	1827.79	1742.89	4160.86	1664.76	1836.13	1487.869
Total cPAH TEQ (USEPA 1993) (U = 1/2)	--	1827.79	1742.89	4160.86	1664.76	1836.13	1487.869
Total HPAH (9 of 16) (U = 0)	--	12116	11115	23177	11026	11615	9590
Total HPAH (9 of 16) (U = 1/2)	--	12116	11115	23177	11026	11615	9590
Total LPAH (7 of 16) (U = 0)	--	2891	2745	3188	2384	1762.4	1619.4
Total LPAH (7 of 16) (U = 1/2)	--	2891	2745	3188	2384	1762.4	1619.4
Total PAH (16) (U = 0)	--	15007	13860	26365	13410	13377.4	11209.4
Total PAH (16) (U = 1/2)	--	15007	13860	26365	13410	13377.4	11209.4
Alkylated Polycyclic Aromatic Hydrocarbons (µg/kg)							
C1-Benzo(a)anthracenes/chrysenes	SW8270CMSIM	867	970	1430	976	935	731
C1-Benzo(b)thiophenes	SW8270CMSIM	24.3	28.9	25.7	27.9	18.5 J	15.2 J
C1-Decalins	SW8270CMSIM	34.4	53.6	45.4	49.4	42.2	51.3
C1-Dibenzothiophenes	SW8270CMSIM	135	169	459	148	114	95.4
C1-Fluoranthenes/Pyrenes	SW8270CMSIM	1870	2130	3600	1640	1880	1520
C1-Fluorenes	SW8270CMSIM	97.3	139	355	116	83.7	82.1
C1-Naphthalenes	SW8270CMSIM	175	192	145	173	114	104
C1-Phenanthrenes/Anthracenes	SW8270CMSIM	851	952	2460	652	678	642
C2-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	554	644	746	659	600	470
C2-Benzo(b)thiophenes	SW8270CMSIM	22.6	31.4	53.8	25.8	18.7 J	15.5 J
C2-Decalins	SW8270CMSIM	134	184	123	152	204	156
C2-Dibenzothiophenes	SW8270CMSIM	264	324	537	230	213	192
C2-Fluorenes	SW8270CMSIM	197	280	476	206	192	184
C2-Naphthalenes	SW8270CMSIM	234	312	311	228	152	148

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2078	Spring Surface Sediment 2079	Spring Surface Sediment 2080	Spring Surface Sediment 2081	Spring Surface Sediment 2082	Spring Surface Sediment 2083
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.21	0.21	0.21	0.31	0.31	0.32
Location ID		NC006SG_20120509	NC007SG_20120509	NC008SG_20120509	NC010SG_20120506	NC011SG_20120510	NC009SG_20120510
Sample ID		NC006SG-000013-20120509	NC007SG-000013-20120509	NC008SG-000015-20120509	NC010SG-000015-20120506	NC011SG-000013-20120510	NC009SG-000015-20120510
Sample Date		5/9/2012	5/9/2012	5/9/2012	5/6/2012	5/10/2012	5/10/2012
Sample Depth		0 - 13 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm
Water Column Depth		9.4	22.9	8.4	21.9	6.1	12.3
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
C2-Phenanthrenes/Anthracenes	SW8270CMSIM	883	1030	1640	649	677	571
C3-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	401	443	481	456	500	421
C3-Benzo(b)thiophenes	SW8270CMSIM	46	57.4	89.4	33.9	33.2	24.3
C3-Decalins	SW8270CMSIM	163	201	132	163	160	148
C3-Dibenzothiophenes	SW8270CMSIM	277	344	330	236	254	210
C3-Fluorenes	SW8270CMSIM	367	378	400	294	329	279
C3-Naphthalenes	SW8270CMSIM	205	298	415	218	156	148
C3-Phenanthrenes/Anthracenes	SW8270CMSIM	566	696	646	410	505	434
C4-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	232	270	251	230	338	299
C4-Benzo(b)thiophenes	SW8270CMSIM	39.2	57.5	62.7	23.6	18.8 U	18.7 U
C4-Decalins	SW8270CMSIM	282	338	234	226	293	274
C4-Dibenzothiophenes	SW8270CMSIM	182	212	173	141	164	146
C4-Naphthalenes	SW8270CMSIM	194	290	304	188	164	131
C4-Phenanthrenes/Anthracenes	SW8270CMSIM	286	349	293	212	302	234
n-Alkanes and Isoprenoids (µg/kg)							
2,6,10-Trimethyldodecane	SW8015M	1200 U	190 J	1310 U	1240 U	1250 U	1250 U
2,6,10-Trimethyltridecane	SW8015M	506 J	614 J	571 J	595 J	498 J	448 J
n-Decane (C10)	SW8015M	1200 U	1180 U	1310 U	1240 U	1250 U	1250 U
n-Docosane (C22)	SW8015M	270 J	240 J	303 J	1240 U	197 J	204 J
n-Dodecane (C12)	SW8015M	1200 U	1180 U	1310 U	1240 U	1250 U	1250 U
n-Dotriacontane (C32)	SW8015M	482 J	1850	511 J	281 J	776 J	454 J
n-Eicosane (C20)	SW8015M	445 J	376 J	494 J	299 J	1250 U	1250 U
n-Heneicosane (C21)	SW8015M	256 J	322 J	198 J	214 J	264 J	245 J
n-Hentriacontane (C31)	SW8015M	1500	1770	1740	2320	3380	2870
n-Heptacosane (C27)	SW8015M	2120	2600	2190	1690	2690	2280
n-Heptadecane (C17)	SW8015M	401 J	467 J	1310 U	456 J	492 J	474 J
n-Heptatriacontane (C37)	SW8015M	483 J	454 J	729 J	329 J	645 J	557 J
n-Hexacosane (C26)	SW8015M	434 J	596 J	579 J	548 J	771 J	543 J
n-Hexadecane (C16)	SW8015M	210 J	243 J	206 J	1240 U	1250 U	1250 U
n-Hexatriacontane (C36)	SW8015M	451 J	569 J	449 J	832 J	468 J	472 J
n-Nonacosane (C29)	SW8015M	1780	1970	2740	1680	3250	2740
n-Nonadecane (C19)	SW8015M	1200 U	1180 U	1310 U	1240 U	1250 U	1250 U
n-Nonane (C9)	SW8015M	1200 U	1180 U	1310 U	1240 U	1250 U	1250 U

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2078	Spring Surface Sediment 2079	Spring Surface Sediment 2080	Spring Surface Sediment 2081	Spring Surface Sediment 2082	Spring Surface Sediment 2083
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.21	0.21	0.21	0.31	0.31	0.32
Location ID		NC006SG_20120509	NC007SG_20120509	NC008SG_20120509	NC010SG_20120506	NC011SG_20120510	NC009SG_20120510
Sample ID		NC006SG-000013-20120509	NC007SG-000013-20120509	NC008SG-000015-20120509	NC010SG-000015-20120506	NC011SG-000013-20120510	NC009SG-000015-20120510
Sample Date		5/9/2012	5/9/2012	5/9/2012	5/6/2012	5/10/2012	5/10/2012
Sample Depth		0 - 13 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm
Water Column Depth		9.4	22.9	8.4	21.9	6.1	12.3
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
n-Nonatriacontane (C39)	SW8015M	762 J	818 J	1000 J	455 J	821 J	843 J
n-Octacosane (C28)	SW8015M	459 J	628 J	583 J	1240 U	929 J	417 J
n-Octadecane (C18)	SW8015M	1440 J	1010 J	1030 J	854 J	734 J	749 J
n-Octatriacontane (C38)	SW8015M	542 J	492 J	485 J	431 J	536 J	526 J
Norpristane	SW8015M	1200 U	1180 U	1310 U	1240 U	1250 U	1250 U
n-Pentacosane (C25)	SW8015M	1200 UJ	802 J	3890 J	2600 J	2260 J	2270 J
n-Pentadecane (C15)	SW8015M	381 J	400 J	621 J	165 J	293 J	305 J
n-Pentatriacontane (C35)	SW8015M	893 J	937 J	984 J	470 J	1100 J	955 J
n-Tetracontane (C40)	SW8015M	411 J	455 J	1310 U	426 J	512 J	478 J
n-Tetracosane (C24)	SW8015M	205 J	234 J	272 J	1240 U	1250 U	1250 U
n-Tetradecane (C14)	SW8015M	1200 U	1180 U	1310 U	1240 U	1250 U	1250 U
n-Tetratriacontane (C34)	SW8015M	854 J	844 J	813 J	322 J	1110 J	938 J
n-Triacontane (C30)	SW8015M	768 J	868 J	1240 J	551 J	1480	764 J
n-Tricosane (C23)	SW8015M	315 J	292 J	289 J	486 J	501 J	479 J
n-Tridecane (C13)	SW8015M	1200 U	1180 U	1310 U	1240 U	1250 U	1250 U
n-Tritriacontane (C33)	SW8015M	1310	1220	1100 J	2470	2750	3020
n-Undecane (C11)	SW8015M	1200 U	1180 U	1310 U	1240 U	1250 U	1250 U
Pesticides (µg/kg)							
2,4'-DDD (o,p'-DDD)	SW8081A	0.7 J	0.98 J	0.67 J	0.7 J	0.24 U	0.11 U
2,4'-DDE (o,p'-DDE)	SW8081A	1.4 J	0.99 J	1.3 J	0.12 J	1.3	1.1
2,4'-DDT (o,p'-DDT)	SW8081A	0.23 U	0.25 U	0.09 J	0.24 U	0.24 U	0.036 J
4,4'-DDD (p,p'-DDD)	SW8081A	3.7 J	3.7	3.4	3.6	5.7	1.9
4,4'-DDE (p,p'-DDE)	SW8081A	3 J	4	3.9	5 J	5	3.9
4,4'-DDT (p,p'-DDT)	SW8081A	4.5 J	1.8 J	1.5 J	1.1 J	2.5	0.39 U
Aldrin	SW8081A	0.075 J	0.25 U	0.32 J	0.24 U	0.24 U	0.23 U
alpha-Hexachlorocyclohexane (BHC)	SW8081A	0.23 U	0.25 U	0.24 U	0.068 J	0.24 U	0.041 J
Chlordane, alpha- (cis-Chlordane)	SW8081A	0.23 U	0.25 U	0.24 U	2	2.6	0.71 J
Chlordane, beta- (trans-Chlordane)	SW8081A	3.4 J	1.7 J	0.24 U	0.24 U	33	0.11 U
delta-Hexachlorocyclohexane (BHC)	SW8081A	0.23 U	0.14 J	0.15 J	0.24 U	0.24 U	0.11 U
Dieldrin	SW8081A	0.23 U	0.25 U	0.24 U	0.46 J	0.39 J	0.2 J
Endosulfan sulfate	SW8081A	0.34 J	0.65 J	0.24 UJ	0.28 J	0.32 J	0.11 U
Endosulfan-alpha (I)	SW8081A	0.23 U	0.25 U	0.24 U	0.24 U	0.24 U	0.11 U
Endosulfan-beta (II)	SW8081A	0.82 J	0.95	0.6	0.24 U	0.82 J	0.39

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2078	Spring Surface Sediment 2079	Spring Surface Sediment 2080	Spring Surface Sediment 2081	Spring Surface Sediment 2082	Spring Surface Sediment 2083
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	0.21	0.21	0.21	0.31	0.31	0.32
		Location ID	NC006SG_20120509	NC007SG_20120509	NC008SG_20120509	NC010SG_20120506	NC011SG_20120510	NC009SG_20120510
		Sample ID	NC006SG-000013-20120509	NC007SG-000013-20120509	NC008SG-000015-20120509	NC010SG-000015-20120506	NC011SG-000013-20120510	NC009SG-000015-20120510
		Sample Date	5/9/2012	5/9/2012	5/9/2012	5/6/2012	5/10/2012	5/10/2012
		Sample Depth	0 - 13 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm
		Water Column Depth	9.4	22.9	8.4	21.9	6.1	12.3
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
Endrin	SW8081A		0.28 J	0.54	0.15 J	0.25 J	0.18 J	0.064 J
Endrin aldehyde	SW8081A		0.53 J	0.83 J	0.19 J	0.24 UJ	0.38 J	0.061 J
Endrin ketone	SW8081A		0.23 UJ	0.25 UJ	0.24 UJ	0.3 J	0.24 UJ	0.11 UJ
Heptachlor	SW8081A		0.23 U	0.25 U	0.24 U	0.24 U	0.24 U	0.23 U
Heptachlor epoxide	SW8081A		0.23 U	0.25 U	0.16 J	0.076 J	0.32	0.15
Hexachlorobenzene	SW8081A		0.21 J	0.55	0.25	0.032 J	0.44	0.24
Hexachlorocyclohexane, beta- (BHC)	SW8081A		0.23 U	0.25 U	0.24 U	0.24 U	0.24 U	0.11 U
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	SW8081A		0.23 U	0.25 U	0.24 U	0.24 U	0.24 U	0.11 U
Methoxychlor	SW8081A		0.47 UJ	0.5 UJ	0.48 UJ	0.49 U	0.49 UJ	0.23 UJ
Mirex	SW8081A		0.23 U	0.25 U	0.24 U	0.24 U	0.23 J	0.56
Nonachlor, cis-	SW8081A		0.23 U	0.25 U	0.24 U	0.3 J	0.24 U	0.11 U
Nonachlor, trans-	SW8081A		0.48 J	0.25 U	0.42 J	0.24 U	0.31 J	0.23 J
Oxychlordane	SW8081A		0.42	0.25 U	0.24 U	0.16 J	0.41 J	0.14 J
Sum DDD (U = 0)	--		4.4 J	4.68 J	4.07 J	4.3 J	5.7	1.9
Sum DDD (U = 1/2)	--		4.4 J	4.68 J	4.07 J	4.3 J	5.82	1.95
Sum DDE (U = 0)	--		4.4 J	4.99 J	5.2 J	5.12 J	6.3	5
Sum DDE (U = 1/2)	--		4.4 J	4.99 J	5.2 J	5.12 J	6.3	5
Sum DDT (U = 0)	--		4.5 J	1.8 J	1.59 J	1.1 J	2.5	0.036 J
Sum DDT (U = 1/2)	--		4.62 J	1.93 J	1.59 J	1.22 J	2.62	0.231 J
Total chlordanes (U = 0)	--		4.3 J	1.7 J	0.42 J	2.46 J	36.32 J	1.08 J
Total chlordanes (U = 1/2)	--		4.53 J	2.2 J	0.9 J	2.7 J	36.44 J	1.19 J
Total DDx (U = 0)	--		13.3 J	11.47 J	10.86 J	10.52 J	14.5	6.936 J
Total DDx (U = 1/2)	--		13.41 J	11.6 J	10.86 J	10.64 J	14.74	7.186 J
Toxaphene	SW8081A		9.3 U	10 U	9.5 U	9.8 U	9.8 U	4.6 U
Pesticides - High Resolution (µg/kg)								
2,4'-DDD (o,p'-DDD)	E1699		--	9.1	--	--	--	--
2,4'-DDE (o,p'-DDE)	E1699		--	0.95	--	--	--	--
2,4'-DDT (o,p'-DDT)	E1699		--	0.2 J	--	--	--	--
4,4'-DDD (p,p'-DDD)	E1699		--	35	--	--	--	--
4,4'-DDE (p,p'-DDE)	E1699		--	14	--	--	--	--
4,4'-DDT (p,p'-DDT)	E1699		--	4.5 J	--	--	--	--
Aldrin	E1699		--	0.057 J	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2078	Spring Surface Sediment 2079	Spring Surface Sediment 2080	Spring Surface Sediment 2081	Spring Surface Sediment 2082	Spring Surface Sediment 2083
Task		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
Tributary		0.21	0.21	0.21	0.31	0.31	0.32
River Mile		NC006SG_20120509	NC007SG_20120509	NC008SG_20120509	NC010SG_20120506	NC011SG_20120510	NC009SG_20120510
Location ID		NC006SG-000013-20120509	NC007SG-000013-20120509	NC008SG-000015-20120509	NC010SG-000015-20120506	NC011SG-000013-20120510	NC009SG-000015-20120510
Sample ID		5/9/2012	5/9/2012	5/9/2012	5/6/2012	5/10/2012	5/10/2012
Sample Date		0 - 13 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm
Sample Depth		9.4	22.9	8.4	21.9	6.1	12.3
Water Column Depth		N	N	N	N	N	N
Sample Type		SE	SE	SE	SE	SE	SE
Matrix							
alpha-Hexachlorocyclohexane (BHC)	E1699	--	0.12 J	--	--	--	--
Chlordane, alpha- (cis-Chlordane)	E1699	--	3.4	--	--	--	--
Chlordane, beta- (trans-Chlordane)	E1699	--	4.2	--	--	--	--
delta-Hexachlorocyclohexane (BHC)	E1699	--	0.058 U	--	--	--	--
Dieldrin	E1699	--	1.6	--	--	--	--
Endosulfan sulfate	E1699	--	0.033 U	--	--	--	--
Endosulfan-alpha (I)	E1699	--	0.16 U	--	--	--	--
Endosulfan-beta (II)	E1699	--	0.22 U	--	--	--	--
Endrin	E1699	--	0.11 U	--	--	--	--
Endrin aldehyde	E1699	--	0.15 U	--	--	--	--
Endrin ketone	E1699	--	0.11 U	--	--	--	--
Heptachlor	E1699	--	0.021 U	--	--	--	--
Heptachlor epoxide	E1699	--	0.12 J	--	--	--	--
Hexachlorobenzene	E1699	--	0.5	--	--	--	--
Hexachlorocyclohexane, beta- (BHC)	E1699	--	0.084 J	--	--	--	--
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	E1699	--	0.051 U	--	--	--	--
Methoxychlor	E1699	--	0.3 U	--	--	--	--
Mirex	E1699	--	0.18 J	--	--	--	--
Nonachlor, cis-	E1699	--	1.1	--	--	--	--
Nonachlor, trans-	E1699	--	2.2	--	--	--	--
Oxychlordane	E1699	--	0.041 U	--	--	--	--
Sum DDD high resolution (U = 0)	--	--	44.1	--	--	--	--
Sum DDD high resolution (U = 1/2)	--	--	44.1	--	--	--	--
Sum DDE high resolution (U = 0)	--	--	14.95	--	--	--	--
Sum DDE high resolution (U = 1/2)	--	--	14.95	--	--	--	--
Sum DDT high resolution (U = 0)	--	--	4.7 J	--	--	--	--
Sum DDT high resolution (U = 1/2)	--	--	4.7 J	--	--	--	--
Total chlordane high resolution (U = 0)	--	--	10.9	--	--	--	--
Total chlordane high resolution (U = 1/2)	--	--	10.92	--	--	--	--
Total DDx high resolution (U = 0)	--	--	63.75 J	--	--	--	--
Total DDx high resolution (U = 1/2)	--	--	63.75 J	--	--	--	--
Toxaphene	E1699	--	5.8 U	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2078	Spring Surface Sediment 2079	Spring Surface Sediment 2080	Spring Surface Sediment 2081	Spring Surface Sediment 2082	Spring Surface Sediment 2083
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.21	0.21	0.21	0.31	0.31	0.32
Location ID		NC006SG_20120509	NC007SG_20120509	NC008SG_20120509	NC010SG_20120506	NC011SG_20120510	NC009SG_20120510
Sample ID		NC006SG-000013-20120509	NC007SG-000013-20120509	NC008SG-000015-20120509	NC010SG-000015-20120506	NC011SG-000013-20120510	NC009SG-000015-20120510
Sample Date		5/9/2012	5/9/2012	5/9/2012	5/6/2012	5/10/2012	5/10/2012
Sample Depth		0 - 13 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm
Water Column Depth		9.4	22.9	8.4	21.9	6.1	12.3
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Herbicides (µg/kg)							
2,2-Dichloropropionic acid (dalapon)	SW8151A	250 U	270 U	260 U	260 UJ	260 U	250 U
2,4,5-T (2,4,5-trichlorophenoxyacetic acid)	SW8151A	56 U	60 U	57 U	59 U	59 U	55 U
2,4,5-TP (Silvex)	SW8151A	56 U	60 U	57 U	59 U	59 U	55 U
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	220 U	240 U	230 U	240 U	240 U	220 U
2,4-DB (2,4-D derivative)	SW8151A	220 U	240 U	230 U	240 UJ	240 U	220 U
Dicamba	SW8151A	110 U	120 U	110 U	120 U	120 U	110 U
Dichlorprop	SW8151A	220 U	34 J	230 U	240 U	240 U	220 U
Dinoseb	SW8151A	34 UJ	36 UJ	34 UJ	35 U	35 U	33 U
Mecoprop (MCP)	SW8151A	22000 U	24000 U	23000 U	24000 U	24000 U	22000 U
Mephanac (MCPA)	SW8151A	22000 U	24000 U	23000 U	24000 U	24000 U	22000 U
Dioxin Furans (ng/kg)							
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	--	0.942 J	--	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	--	0.667 UJ	--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	0.828 UJ	--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	2.81 J	--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	1.9 UJ	--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B	--	37.2	--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B	--	374	--	--	--	--
Total tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	--	9.88 J	--	--	--	--
Total pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	--	6.4 J	--	--	--	--
Total hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	31.1 J	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2078	Spring Surface Sediment 2079	Spring Surface Sediment 2080	Spring Surface Sediment 2081	Spring Surface Sediment 2082	Spring Surface Sediment 2083
Task		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
Tributary		0.21	0.21	0.21	0.31	0.31	0.32
River Mile		NC006SG_20120509	NC007SG_20120509	NC008SG_20120509	NC010SG_20120506	NC011SG_20120510	NC009SG_20120510
Location ID		NC006SG-000013-20120509	NC007SG-000013-20120509	NC008SG-000015-20120509	NC010SG-000015-20120506	NC011SG-000013-20120510	NC009SG-000015-20120510
Sample ID		5/9/2012	5/9/2012	5/9/2012	5/6/2012	5/10/2012	5/10/2012
Sample Date		0 - 13 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm
Sample Depth		9.4	22.9	8.4	21.9	6.1	12.3
Water Column Depth		N	N	N	N	N	N
Sample Type		SE	SE	SE	SE	SE	SE
Matrix							
Total heptachlorodibenzo-p-dioxin (HpCDD)	E1613B	--	95.4	--	--	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B	--	2.37	--	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B	--	1.59 U	--	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B	--	2.08 J	--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B	--	3.33 J	--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B	--	2.17 J	--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B	--	0.261 U	--	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B	--	1.89 U	--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B	--	20.8	--	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B	--	0.386 U	--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B	--	27.8	--	--	--	--
Total tetrachlorodibenzofuran (TCDF)	E1613B	--	40.4 J	--	--	--	--
Total pentachlorodibenzofuran (PeCDF)	E1613B	--	26.7 J	--	--	--	--
Total hexachlorodibenzofuran (HxCDF)	E1613B	--	27.6 J	--	--	--	--
Total heptachlorodibenzofuran (HpCDF)	E1613B	--	34.1	--	--	--	--
Total dioxin/furan TEQ 1998 (avian) (U = 0)	--	--	6.255 J	--	--	--	--
Total dioxin/furan TEQ 1998 (avian) (U = 1/2)	--	--	6.894 J	--	--	--	--
Total dioxin/furan TEQ 1998 (fish) (U = 0)	--	--	2.964 J	--	--	--	--
Total dioxin/furan TEQ 1998 (fish) (U = 1/2)	--	--	3.663 J	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2078	Spring Surface Sediment 2079	Spring Surface Sediment 2080	Spring Surface Sediment 2081	Spring Surface Sediment 2082	Spring Surface Sediment 2083
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.21	0.21	0.21	0.31	0.31	0.32
Location ID		NC006SG_20120509	NC007SG_20120509	NC008SG_20120509	NC010SG_20120506	NC011SG_20120510	NC009SG_20120510
Sample ID		NC006SG-000013-20120509	NC007SG-000013-20120509	NC008SG-000015-20120509	NC010SG-000015-20120506	NC011SG-000013-20120510	NC009SG-000015-20120510
Sample Date		5/9/2012	5/9/2012	5/9/2012	5/6/2012	5/10/2012	5/10/2012
Sample Depth		0 - 13 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm
Water Column Depth		9.4	22.9	8.4	21.9	6.1	12.3
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total dioxin/furan TEQ 2005 (mammal) (U = 0)	--	--	3.335 J	--	--	--	--
Total dioxin/furan TEQ 2005 (mammal) (U = 1/2)	--	--	3.938 J	--	--	--	--
PCB Aroclors (µg/kg)							
Aroclor 1016	SW8082A	12 U	13 U	12 U	12 U	12 U	11 U
Aroclor 1221	SW8082A	12 U	13 U	12 U	12 U	12 U	11 U
Aroclor 1232	SW8082A	12 U	13 U	12 U	12 U	12 U	11 U
Aroclor 1242	SW8082A	170	120	75	130	77	90
Aroclor 1248	SW8082A	12 U	13 U	12 U	12 U	12 U	11 U
Aroclor 1254	SW8082A	140	130	64	130	130	130
Aroclor 1260	SW8082A	12 U	13 U	12 U	12 U	12 U	11 U
Aroclor 1262	SW8082A	12 U	13 U	12 U	12 U	12 U	11 U
Aroclor 1268	SW8082A	12 U	13 U	12 U	12 U	12 U	11 U
Total PCB Aroclors (U = 0)	--	310	250	139	260	207	220
Total PCB Aroclors (U = 1/2)	--	352	295.5	181	302	249	258.5
PCB Congeners (ng/kg)							
PCB-001	E1668B	--	555	--	--	--	--
PCB-002	E1668B	--	52.8	--	--	--	--
PCB-003	E1668B	--	191	--	--	--	--
PCB-004	E1668B	--	1140	--	--	--	--
PCB-005	E1668B	--	12 U	--	--	--	--
PCB-006	E1668B	--	378	--	--	--	--
PCB-007	E1668B	--	34.1 J	--	--	--	--
PCB-008	E1668B	--	1080	--	--	--	--
PCB-009	E1668B	--	52.2	--	--	--	--
PCB-010	E1668B	--	95.8	--	--	--	--
PCB-011	E1668B	--	357	--	--	--	--
PCB-012/013	E1668B	--	408	--	--	--	--
PCB-014	E1668B	--	9.25 U	--	--	--	--
PCB-015	E1668B	--	2390	--	--	--	--
PCB-016	E1668B	--	988	--	--	--	--
PCB-017	E1668B	--	1380	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2078	Spring Surface Sediment 2079	Spring Surface Sediment 2080	Spring Surface Sediment 2081	Spring Surface Sediment 2082	Spring Surface Sediment 2083
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	0.21	0.21	0.21	0.31	0.31	0.32
		Location ID	NC006SG_20120509	NC007SG_20120509	NC008SG_20120509	NC010SG_20120506	NC011SG_20120510	NC009SG_20120510
		Sample ID	NC006SG-000013-20120509	NC007SG-000013-20120509	NC008SG-000015-20120509	NC010SG-000015-20120506	NC011SG-000013-20120510	NC009SG-000015-20120510
		Sample Date	5/9/2012	5/9/2012	5/9/2012	5/6/2012	5/10/2012	5/10/2012
		Sample Depth	0 - 13 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm
		Water Column Depth	9.4	22.9	8.4	21.9	6.1	12.3
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-018/030	E1668B	--	2470	--	--	--	--	--
PCB-019	E1668B	--	365	--	--	--	--	--
PCB-020/028	E1668B	--	7200	--	--	--	--	--
PCB-021/033	E1668B	--	1750	--	--	--	--	--
PCB-022	E1668B	--	1660	--	--	--	--	--
PCB-023	E1668B	--	1.91 U	--	--	--	--	--
PCB-024	E1668B	--	2.26 U	--	--	--	--	--
PCB-025	E1668B	--	717	--	--	--	--	--
PCB-026/029	E1668B	--	1350	--	--	--	--	--
PCB-027	E1668B	--	355	--	--	--	--	--
PCB-031	E1668B	--	5850	--	--	--	--	--
PCB-032	E1668B	--	1140	--	--	--	--	--
PCB-034	E1668B	--	40.2 J	--	--	--	--	--
PCB-035	E1668B	--	129	--	--	--	--	--
PCB-036	E1668B	--	2.44 U	--	--	--	--	--
PCB-037	E1668B	--	1800	--	--	--	--	--
PCB-038	E1668B	--	2.62 U	--	--	--	--	--
PCB-039	E1668B	--	2.41 U	--	--	--	--	--
PCB-040/071	E1668B	--	2490	--	--	--	--	--
PCB-041	E1668B	--	616	--	--	--	--	--
PCB-042	E1668B	--	1500	--	--	--	--	--
PCB-043	E1668B	--	155	--	--	--	--	--
PCB-044/047/065	E1668B	--	5460	--	--	--	--	--
PCB-045	E1668B	--	--	--	--	--	--	--
PCB-045/051	E1668B	--	990	--	--	--	--	--
PCB-046	E1668B	--	337	--	--	--	--	--
PCB-048	E1668B	--	982	--	--	--	--	--
PCB-049/069	E1668B	--	3350	--	--	--	--	--
PCB-050/053	E1668B	--	730	--	--	--	--	--
PCB-051	E1668B	--	--	--	--	--	--	--
PCB-052	E1668B	--	6090	--	--	--	--	--
PCB-054	E1668B	--	19.9	--	--	--	--	--
PCB-055	E1668B	--	2.28 U	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2078	Spring Surface Sediment 2079	Spring Surface Sediment 2080	Spring Surface Sediment 2081	Spring Surface Sediment 2082	Spring Surface Sediment 2083
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	0.21	0.21	0.21	0.31	0.31	0.32
		Location ID	NC006SG_20120509	NC007SG_20120509	NC008SG_20120509	NC010SG_20120506	NC011SG_20120510	NC009SG_20120510
		Sample ID	NC006SG-000013-20120509	NC007SG-000013-20120509	NC008SG-000015-20120509	NC010SG-000015-20120506	NC011SG-000013-20120510	NC009SG-000015-20120510
		Sample Date	5/9/2012	5/9/2012	5/9/2012	5/6/2012	5/10/2012	5/10/2012
		Sample Depth	0 - 13 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm
		Water Column Depth	9.4	22.9	8.4	21.9	6.1	12.3
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-056	E1668B	--	2860	--	--	--	--	--
PCB-057	E1668B	--	111	--	--	--	--	--
PCB-058	E1668B	--	2.34 U	--	--	--	--	--
PCB-059/062/075	E1668B	--	423	--	--	--	--	--
PCB-060	E1668B	--	1600	--	--	--	--	--
PCB-061/070/074/076	E1668B	--	8770	--	--	--	--	--
PCB-063	E1668B	--	212	--	--	--	--	--
PCB-064	E1668B	--	2150	--	--	--	--	--
PCB-066	E1668B	--	6210	--	--	--	--	--
PCB-067	E1668B	--	144	--	--	--	--	--
PCB-068	E1668B	--	39.6	--	--	--	--	--
PCB-072	E1668B	--	65.4	--	--	--	--	--
PCB-073	E1668B	--	1.51 U	--	--	--	--	--
PCB-077	E1668B	--	789	--	--	--	--	--
PCB-078	E1668B	--	2.4 U	--	--	--	--	--
PCB-079	E1668B	--	2.13 U	--	--	--	--	--
PCB-080	E1668B	--	2.17 U	--	--	--	--	--
PCB-081	E1668B	--	27.5 J	--	--	--	--	--
PCB-082	E1668B	--	569	--	--	--	--	--
PCB-083	E1668B	--	179	--	--	--	--	--
PCB-084	E1668B	--	971	--	--	--	--	--
PCB-085/116	E1668B	--	--	--	--	--	--	--
PCB-085/116/117	E1668B	--	697	--	--	--	--	--
PCB-086/087/097/108/119/125	E1668B	--	2240	--	--	--	--	--
PCB-088	E1668B	--	--	--	--	--	--	--
PCB-088/091	E1668B	--	586	--	--	--	--	--
PCB-089	E1668B	--	71.6	--	--	--	--	--
PCB-090/101/113	E1668B	--	2880	--	--	--	--	--
PCB-091	E1668B	--	--	--	--	--	--	--
PCB-092	E1668B	--	562	--	--	--	--	--
PCB-093/100	E1668B	--	61.6 J	--	--	--	--	--
PCB-094	E1668B	--	31.5	--	--	--	--	--
PCB-095	E1668B	--	1960	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2078	Spring Surface Sediment 2079	Spring Surface Sediment 2080	Spring Surface Sediment 2081	Spring Surface Sediment 2082	Spring Surface Sediment 2083
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	0.21	0.21	0.21	0.31	0.31	0.32
		Location ID	NC006SG_20120509	NC007SG_20120509	NC008SG_20120509	NC010SG_20120506	NC011SG_20120510	NC009SG_20120510
		Sample ID	NC006SG-000013-20120509	NC007SG-000013-20120509	NC008SG-000015-20120509	NC010SG-000015-20120506	NC011SG-000013-20120510	NC009SG-000015-20120510
		Sample Date	5/9/2012	5/9/2012	5/9/2012	5/6/2012	5/10/2012	5/10/2012
		Sample Depth	0 - 13 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm
		Water Column Depth	9.4	22.9	8.4	21.9	6.1	12.3
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-096	E1668B	--	49.7	--	--	--	--	--
PCB-098	E1668B	--	--	--	--	--	--	--
PCB-098/102	E1668B	--	167	--	--	--	--	--
PCB-099	E1668B	--	2100	--	--	--	--	--
PCB-102	E1668B	--	--	--	--	--	--	--
PCB-103	E1668B	--	42.3	--	--	--	--	--
PCB-104	E1668B	--	2.24 U	--	--	--	--	--
PCB-105	E1668B	--	1690	--	--	--	--	--
PCB-106	E1668B	--	3.28 U	--	--	--	--	--
PCB-107/124	E1668B	--	112	--	--	--	--	--
PCB-109	E1668B	--	236	--	--	--	--	--
PCB-110	E1668B	--	--	--	--	--	--	--
PCB-110/115	E1668B	--	3690	--	--	--	--	--
PCB-111	E1668B	--	32.3	--	--	--	--	--
PCB-112	E1668B	--	2.86 U	--	--	--	--	--
PCB-114	E1668B	--	104	--	--	--	--	--
PCB-115	E1668B	--	--	--	--	--	--	--
PCB-117	E1668B	--	--	--	--	--	--	--
PCB-118	E1668B	--	3280	--	--	--	--	--
PCB-120	E1668B	--	13.9 J	--	--	--	--	--
PCB-121	E1668B	--	3.24 U	--	--	--	--	--
PCB-122	E1668B	--	53.4	--	--	--	--	--
PCB-123	E1668B	--	113	--	--	--	--	--
PCB-126	E1668B	--	41.4	--	--	--	--	--
PCB-127	E1668B	--	17.4	--	--	--	--	--
PCB-128/166	E1668B	--	433	--	--	--	--	--
PCB-129/138/163	E1668B	--	2770	--	--	--	--	--
PCB-130	E1668B	--	172	--	--	--	--	--
PCB-131	E1668B	--	32.6	--	--	--	--	--
PCB-132	E1668B	--	819	--	--	--	--	--
PCB-133	E1668B	--	53.7	--	--	--	--	--
PCB-134	E1668B	--	150	--	--	--	--	--
PCB-135/151	E1668B	--	877	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2078	Spring Surface Sediment 2079	Spring Surface Sediment 2080	Spring Surface Sediment 2081	Spring Surface Sediment 2082	Spring Surface Sediment 2083
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	0.21	0.21	0.21	0.31	0.31	0.32
		Location ID	NC006SG_20120509	NC007SG_20120509	NC008SG_20120509	NC010SG_20120506	NC011SG_20120510	NC009SG_20120510
		Sample ID	NC006SG-000013-20120509	NC007SG-000013-20120509	NC008SG-000015-20120509	NC010SG-000015-20120506	NC011SG-000013-20120510	NC009SG-000015-20120510
		Sample Date	5/9/2012	5/9/2012	5/9/2012	5/6/2012	5/10/2012	5/10/2012
		Sample Depth	0 - 13 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm
		Water Column Depth	9.4	22.9	8.4	21.9	6.1	12.3
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-136	E1668B	--	322	--	--	--	--	--
PCB-137	E1668B	--	82.7	--	--	--	--	--
PCB-139/140	E1668B	--	44.7	--	--	--	--	--
PCB-141	E1668B	--	401	--	--	--	--	--
PCB-142	E1668B	--	4.09 U	--	--	--	--	--
PCB-143	E1668B	--	3.69 U	--	--	--	--	--
PCB-144	E1668B	--	102	--	--	--	--	--
PCB-145	E1668B	--	2.82 U	--	--	--	--	--
PCB-146	E1668B	--	482	--	--	--	--	--
PCB-147/149	E1668B	--	2210	--	--	--	--	--
PCB-148	E1668B	--	3.5 U	--	--	--	--	--
PCB-150	E1668B	--	10.6 J	--	--	--	--	--
PCB-152	E1668B	--	3.42 J	--	--	--	--	--
PCB-153/168	E1668B	--	2430	--	--	--	--	--
PCB-154	E1668B	--	61.6	--	--	--	--	--
PCB-155	E1668B	--	3.38	--	--	--	--	--
PCB-156/157	E1668B	--	320	--	--	--	--	--
PCB-158	E1668B	--	253	--	--	--	--	--
PCB-159	E1668B	--	3.35 U	--	--	--	--	--
PCB-160	E1668B	--	3.24 U	--	--	--	--	--
PCB-161	E1668B	--	2.79 U	--	--	--	--	--
PCB-162	E1668B	--	3.1 U	--	--	--	--	--
PCB-164	E1668B	--	176	--	--	--	--	--
PCB-165	E1668B	--	3.23 U	--	--	--	--	--
PCB-167	E1668B	--	112	--	--	--	--	--
PCB-169	E1668B	--	4.57 U	--	--	--	--	--
PCB-170	E1668B	--	641	--	--	--	--	--
PCB-171/173	E1668B	--	219	--	--	--	--	--
PCB-172	E1668B	--	113	--	--	--	--	--
PCB-174	E1668B	--	719	--	--	--	--	--
PCB-175	E1668B	--	30.5 J	--	--	--	--	--
PCB-176	E1668B	--	84.3	--	--	--	--	--
PCB-177	E1668B	--	461	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2078	Spring Surface Sediment 2079	Spring Surface Sediment 2080	Spring Surface Sediment 2081	Spring Surface Sediment 2082	Spring Surface Sediment 2083
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	0.21	0.21	0.21	0.31	0.31	0.32
		Location ID	NC006SG_20120509	NC007SG_20120509	NC008SG_20120509	NC010SG_20120506	NC011SG_20120510	NC009SG_20120510
		Sample ID	NC006SG-000013-20120509	NC007SG-000013-20120509	NC008SG-000015-20120509	NC010SG-000015-20120506	NC011SG-000013-20120510	NC009SG-000015-20120510
		Sample Date	5/9/2012	5/9/2012	5/9/2012	5/6/2012	5/10/2012	5/10/2012
		Sample Depth	0 - 13 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm
		Water Column Depth	9.4	22.9	8.4	21.9	6.1	12.3
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-178	E1668B	--	168	--	--	--	--	--
PCB-179	E1668B	--	320	--	--	--	--	--
PCB-180/193	E1668B	--	1540	--	--	--	--	--
PCB-181	E1668B	--	6.15 U	--	--	--	--	--
PCB-182	E1668B	--	4.52 U	--	--	--	--	--
PCB-183	E1668B	--	--	--	--	--	--	--
PCB-183/185	E1668B	--	479	--	--	--	--	--
PCB-184	E1668B	--	4.08 U	--	--	--	--	--
PCB-185	E1668B	--	--	--	--	--	--	--
PCB-186	E1668B	--	3.75 U	--	--	--	--	--
PCB-187	E1668B	--	1080	--	--	--	--	--
PCB-188	E1668B	--	2.45	--	--	--	--	--
PCB-189	E1668B	--	28.9	--	--	--	--	--
PCB-190	E1668B	--	135	--	--	--	--	--
PCB-191	E1668B	--	27.4	--	--	--	--	--
PCB-192	E1668B	--	5.17 U	--	--	--	--	--
PCB-194	E1668B	--	402	--	--	--	--	--
PCB-195	E1668B	--	151	--	--	--	--	--
PCB-196	E1668B	--	189	--	--	--	--	--
PCB-197	E1668B	--	--	--	--	--	--	--
PCB-197/200	E1668B	--	66.2	--	--	--	--	--
PCB-198/199	E1668B	--	526	--	--	--	--	--
PCB-200	E1668B	--	--	--	--	--	--	--
PCB-201	E1668B	--	70.1	--	--	--	--	--
PCB-202	E1668B	--	146	--	--	--	--	--
PCB-203	E1668B	--	309	--	--	--	--	--
PCB-204	E1668B	--	3.58 U	--	--	--	--	--
PCB-205	E1668B	--	20	--	--	--	--	--
PCB-206	E1668B	--	378	--	--	--	--	--
PCB-207	E1668B	--	36.1	--	--	--	--	--
PCB-208	E1668B	--	142	--	--	--	--	--
PCB-209	E1668B	--	357	--	--	--	--	--
Total PCB congener (U = 0)	--	--	123763.25 J	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2078	Spring Surface Sediment 2079	Spring Surface Sediment 2080	Spring Surface Sediment 2081	Spring Surface Sediment 2082	Spring Surface Sediment 2083
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.21	0.21	0.21	0.31	0.31	0.32
Location ID		NC006SG_20120509	NC007SG_20120509	NC008SG_20120509	NC010SG_20120506	NC011SG_20120510	NC009SG_20120510
Sample ID		NC006SG-000013-20120509	NC007SG-000013-20120509	NC008SG-000015-20120509	NC010SG-000015-20120506	NC011SG-000013-20120510	NC009SG-000015-20120510
Sample Date		5/9/2012	5/9/2012	5/9/2012	5/6/2012	5/10/2012	5/10/2012
Sample Depth		0 - 13 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm
Water Column Depth		9.4	22.9	8.4	21.9	6.1	12.3
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total PCB congener (U = 1/2)	--	--	123822.73 J	--	--	--	--
Total PCB congener TEQ 1998 (avian) (U = 0)	--	--	46.59 J	--	--	--	--
Total PCB congener TEQ 1998 (avian) (U = 1/2)	--	--	46.59 J	--	--	--	--
Total PCB congener TEQ 1998 (fish) (U = 0)	--	--	0.33 J	--	--	--	--
Total PCB congener TEQ 1998 (fish) (U = 1/2)	--	--	0.33 J	--	--	--	--
Total PCB congener TEQ 2005 (mammal) (U = 0)	--	--	4.4 J	--	--	--	--
Total PCB congener TEQ 2005 (mammal) (U = 1/2)	--	--	4.47 J	--	--	--	--
Total Petroleum Hydrocarbons (mg/kg)							
Diesel range organics (C10 - C28)	SW8015M	641	761	584	749	790	695
Phytane	SW8015M	0.245 J	0.875 J	1.1 J	0.653 J	0.528 J	0.507 J
Pristane	SW8015M	0.366 J	0.53 J	0.422 J	0.42 J	0.528 J	0.386 J
Total petroleum hydrocarbons (C9-C40)	SW8015M	1270	1480	1170	1570	1680	1510
Radionuclides (pci/g)							
Beryllium 7	HASL300	--	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2084	Spring Surface Sediment 2085	Spring Surface Sediment 2086	Spring Surface Sediment 2087	Spring Surface Sediment 2088	Spring Surface Sediment 2089
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.44	0.44	0.44	0.5	0.5	0.5
Location ID		NC012SG_20120510	NC013SG_20120506	NC014SG_20120510	NC015SG_20120506	NC016SG_20120506	NC016SG_20120506
Sample ID		NC012SG-000015-20120510	NC013SG-000013-20120506	NC014SG-000015-20120510	NC015SG-000015-20120506	NC016SG-000003-20120506	NC016SG-000015-20120506
Sample Date		5/10/2012	5/6/2012	5/10/2012	5/6/2012	5/6/2012	5/6/2012
Sample Depth		0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
Water Column Depth		15.7	25	18.7	10.8	14.9	14.9
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Conventional Parameters (lb/ft³)							
Density	D7263	23.6	25.5	22.7	26.6	--	25.5
Conventional Parameters (mg/kg)							
Ammonia as nitrogen	SM4500NH3H	88	66	71	22 U	--	22 U
Cyanide, total	SW9012A	3.1 U	2.9 U	3.1 U	3.2 U	--	2.9 U
Nitrate + nitrite as nitrogen	SM4500NO3F	8 J	6.2 J	7.7 J	6.9 J	--	6.8 J
Nitrogen ((No Suggestions))	SM4500NORGC	3000 J	3500	3200 J	4700	--	2900
Phosphorus	SM4500PE	2000	2100 J	1800	1800 J	--	1700 J
Sulfide	SW9030B	6200	2300 J	4500	1600 J	--	2700 J
Conventional Parameters (pct)							
Moisture (water) content	D2216	--	204.1	--	196.5	--	202.4
Moisture, percent	D2216	--	--	--	69.9	--	--
Soot carbon	SOOTC	0.145	0.281	0.154	0.193	--	0.21
Total organic carbon	SW9060	2.31	3.005	2.235	2.805	--	2.22
Total solids	SM2540G	29.5	31.8	29.6	31.5	--	32.7
Conventional Parameters (SU)							
pH	SW9045C	8.1	8.2	7.9	7.8	--	7.8
Conventional Parameters (unitless)							
Liquid limit	D4318	--	141	--	131	--	123
Plastic limit	D4318	--	47	--	46	--	42
Plasticity index	D4318	--	94	--	85	--	81
Specific gravity	D854	--	2.57	--	2.58	--	2.61
Grain Size (pct)							
Cobbles	D422	0	0	0	0	--	0
Gravel	D422	0	0	0	0	--	0
Sand	D422	1.4	1.3	1	1.5	--	2 J
Fines (silt + clay)	D422	98.6	98.7	99	98.5	--	98
Percent passing 0.375 inch (3/8 inch sieve)	D422	--	--	100	--	--	100
Percent passing 0.5 inch (1/2 inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4 inch sieve)	D422	--	--	--	--	--	--
Percent passing 1 inch (1 inch sieve)	D422	--	--	--	--	--	--
Percent passing 75 micron sieve (#200)	D422	99	99	99	98	--	98
Percent passing 150 micron sieve (#100)	D422	99	99	100	99	--	99

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2084	Spring Surface Sediment 2085	Spring Surface Sediment 2086	Spring Surface Sediment 2087	Spring Surface Sediment 2088	Spring Surface Sediment 2089
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.44	0.44	0.44	0.5	0.5	0.5
Location ID		NC012SG_20120510	NC013SG_20120506	NC014SG_20120510	NC015SG_20120506	NC016SG_20120506	NC016SG_20120506
Sample ID		NC012SG-000015-20120510	NC013SG-000013-20120506	NC014SG-000015-20120510	NC015SG-000015-20120506	NC016SG-000003-20120506	NC016SG-000015-20120506
Sample Date		5/10/2012	5/6/2012	5/10/2012	5/6/2012	5/6/2012	5/6/2012
Sample Depth		0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
Water Column Depth		15.7	25	18.7	10.8	14.9	14.9
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Percent passing 250 micron sieve (#60)	D422	99	100	100	100	--	99
Percent passing 425 micron sieve (#40)	D422	100	100	100	100	--	99
Percent passing 850 micron sieve (#20)	D422	100	100	100	100	--	100
Percent passing 2000 micron sieve (#10)	D422	100	100	4100	100	--	100
Percent passing 4750 micron sieve (#4)	D422	100	100	100	100	--	100
Metals (mg/kg)							
Aluminum	SW6020A	17700	13600 J	15100	14400 J	--	14000 J
Antimony	SW6020A	0.379 J	0.402 J	0.338 J	0.411 J	--	0.357 J
Arsenic	SW6020A	11.4 J	12.8	9.8 J	10.7	--	10.1
Barium	SW6020A	71.6 J	76.6	63.5 J	81	--	58.6
Beryllium	SW6020A	0.966 J	0.796	0.81 J	0.793	--	0.862
Cadmium	SW6020A	1.19	1.6 J	1.11	1.63 J	--	1.2 J
Calcium	SW6020A	7900	8550	6050	6390	--	6240
Chromium	SW6020A	82.1	90.1 J	65.7	82.2 J	--	69.5 J
Cobalt	SW6020A	13.8	13.2	11.6	14.7	--	11.4
Copper	SW6020A	146	156	116	162	--	123
Iron	SW6020A	37400	41400	30200	38300	--	36700
Lead	SW6020A	132	156	107	149	--	129
Magnesium	SW6020A	10500	9810	9430	9760	--	9500
Manganese	SW6020A	635 J	640	458 J	569	--	448
Mercury	E1631M	0.934 J	1.14 J	0.693 J	0.813 J	--	0.917 J
Nickel	SW6020A	38.9	39.6	37	43.6	--	32.2
Potassium	SW6020A	4380 J	3550	3900 J	3420	--	3160
Selenium	SW6020A	2.65 J	1.75	1.88 J	1.32	--	1.7
Silver	SW6020A	3.64 J	3.79	2.81 J	4.48	--	3.03
Sodium	SW6020A	19300 J	17200 J	18700 J	17800 J	--	16500 J
Thallium	SW6020A	0.35	0.275	0.232	0.264	--	0.22
Tin	SW6020A	14.4	18.6	9.62	13.7	--	13.1
Vanadium	SW6020A	46 J	43.7 J	36.8 J	46.2 J	--	41.3 J
Zinc	SW6020A	271 J	328 J	237 J	385 J	--	252 J
Organometallic Compounds (µg/kg)							
Methyl mercury	E1630M	--	--	--	3.35	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2084	Spring Surface Sediment 2085	Spring Surface Sediment 2086	Spring Surface Sediment 2087	Spring Surface Sediment 2088	Spring Surface Sediment 2089
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.44	0.44	0.44	0.5	0.5	0.5
Location ID		NC012SG_20120510	NC013SG_20120506	NC014SG_20120510	NC015SG_20120506	NC016SG_20120506	NC016SG_20120506
Sample ID		NC012SG-000015-20120510	NC013SG-000013-20120506	NC014SG-000015-20120510	NC015SG-000015-20120506	NC016SG-000003-20120506	NC016SG-000015-20120506
Sample Date		5/10/2012	5/6/2012	5/10/2012	5/6/2012	5/6/2012	5/6/2012
Sample Depth		0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
Water Column Depth		15.7	25	18.7	10.8	14.9	14.9
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Volatile Organics (µg/kg)							
1,1,1-Trichloroethane	SW8260B	3.4 U	3.1 U	3.4 U	3.2 U	--	2.8 U
1,1,2,2-Tetrachloroethane	SW8260B	3.4 U	3.1 U	3.4 U	3.2 U	--	2.8 U
1,1,2-Trichloroethane	SW8260B	5.1 U	4.7 U	5.1 U	4.8 U	--	4.2 U
1,1,2-Trichlorotrifluoroethane	SW8260B	68 U	63 U	68 U	63 U	--	57 U
1,1-Dichloroethane	SW8260B	5.1 U	4.7 U	5.1 U	4.8 U	--	4.2 U
1,1-Dichloroethene	SW8260B	3.4 U	3.1 U	3.4 U	3.2 U	--	2.8 U
1,2,3-Trichlorobenzene	SW8260B	17 U	16 U	17 U	16 U	--	14 UJ
1,2,4-Trichlorobenzene	SW8260B	17 U	16 U	17 U	16 U	--	14 UJ
1,2-Dibromo-3-chloropropane	SW8260B	17 U	16 UJ	17 U	16 UJ	--	14 UJ
1,2-Dichlorobenzene	SW8260B	17 U	16 U	17 U	16 U	--	14 UJ
1,2-Dichloroethane	SW8260B	3.4 U	3.1 U	3.4 U	3.2 U	--	2.8 U
1,2-Dichloroethene, cis-	SW8260B	3.4 U	3.1 U	3.4 U	3.2 U	--	2.8 U
1,2-Dichloroethene, trans-	SW8260B	5.1 U	4.7 U	5.1 U	4.8 U	--	4.2 U
1,2-Dichloropropane	SW8260B	12 U	11 U	12 U	11 U	--	9.9 U
1,3-Dichlorobenzene	SW8260B	17 U	16 U	17 U	16 U	--	14 UJ
1,3-Dichloropropene, cis-	SW8260B	3.4 U	3.1 U	3.4 U	3.2 U	--	2.8 U
1,3-Dichloropropene, trans-	SW8260B	3.4 U	3.1 U	3.4 U	3.2 U	--	2.8 UJ
1,4-Dichlorobenzene	SW8260B	17 U	16 U	17 U	16 U	--	14 UJ
2-Butanone (MEK)	SW8260B	110	54	96	86	--	61 J
2-Hexanone (methyl butyl ketone)	SW8260B	34 U	31 U	34 U	32 U	--	28 U
Acetone	SW8260B	470	270	420	430	--	380 J
Benzene	SW8260B	3.4 U	3.1 U	3.4 U	3.2 U	--	2.8 U
Bromochloromethane	SW8260B	17 U	16 U	17 U	16 U	--	14 U
Bromodichloromethane	SW8260B	3.4 U	3.1 U	3.4 U	3.2 U	--	2.8 U
Bromoform (tribromomethane)	SW8260B	14 U	12 U	14 U	13 U	--	11 UJ
Bromomethane (methyl bromide)	SW8260B	6.8 U	6.3 UJ	6.8 U	6.3 UJ	--	5.7 UJ
Carbon disulfide	SW8260B	44	29 J	39	21 J	--	13 J
Carbon tetrachloride (tetrachloromethane)	SW8260B	3.4 U	3.1 U	3.4 U	3.2 U	--	2.8 U
Chlorobenzene	SW8260B	3.4 U	3.1 U	3.4 U	3.2 U	--	2.8 U
Chloroethane	SW8260B	6.8 U	6.3 U	6.8 U	6.3 U	--	5.7 U
Chloroform	SW8260B	5.1 U	4.7 U	5.1 U	4.8 U	--	4.2 U

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2084	Spring Surface Sediment 2085	Spring Surface Sediment 2086	Spring Surface Sediment 2087	Spring Surface Sediment 2088	Spring Surface Sediment 2089
Task		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
Tributary		0.44	0.44	0.44	0.5	0.5	0.5
River Mile		NC012SG_20120510	NC013SG_20120506	NC014SG_20120510	NC015SG_20120506	NC016SG_20120506	NC016SG_20120506
Location ID		NC012SG-000015-20120510	NC013SG-000013-20120506	NC014SG-000015-20120510	NC015SG-000015-20120506	NC016SG-000003-20120506	NC016SG-000015-20120506
Sample ID		5/10/2012	5/6/2012	5/10/2012	5/6/2012	5/6/2012	5/6/2012
Sample Date		0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
Sample Depth		15.7	25	18.7	10.8	14.9	14.9
Water Column Depth		N	N	N	N	N	N
Sample Type		SE	SE	SE	SE	SE	SE
Matrix							
Chloromethane	SW8260B	17 U	16 U	17 U	16 U	--	14 U
Cyclohexane	SW8260B	68 U	63 U	68 U	63 U	--	-- R
Dibromochloromethane	SW8260B	3.4 U	3.1 U	3.4 U	3.2 U	--	2.8 UJ
Dichlorodifluoromethane	SW8260B	34 U	31 U	34 U	32 U	--	28 U
Dichloromethane (methylene chloride)	SW8260B	34 U	31 U	34 U	5.5 J	--	28 U
Ethylbenzene	SW8260B	3.4 U	3.1 U	3.4 U	3.2 U	--	2.8 U
Ethylene dibromide (1,2-Dibromoethane)	SW8260B	14 U	12 U	14 U	13 U	--	11 U
Isopropylbenzene (cumene)	SW8260B	3.4 U	3.1 U	3.4 U	3.2 U	--	2.8 U
m,p-Xylene	SW8260B	6.8 U	6.3 U	6.8 U	6.3 U	--	5.7 U
Methyl acetate	SW8260B	68 U	63 U	68 U	63 U	--	-- R
Methyl isobutyl ketone (4-methyl-2-pentanone [MIBK])	SW8260B	34 U	31 U	34 U	32 U	--	28 U
Methyl tert-butyl ether (MTBE)	SW8260B	6.8 U	6.3 U	6.8 U	6.3 U	--	5.7 U
Methylcyclohexane	SW8260B	14 U	12 U	14 U	13 U	--	11 U
o-Xylene	SW8260B	6.8 U	6.3 U	6.8 U	6.3 U	--	5.7 U
Styrene	SW8260B	6.8 U	6.3 U	6.8 U	6.3 U	--	5.7 U
Tetrachloroethene (PCE)	SW8260B	3.4 U	3.1 U	3.4 U	3.2 U	--	2.8 U
Toluene	SW8260B	1.8 J	4.7 U	5.1 U	4.8 U	--	4.2 U
Total BTEX (U = 0)	--	1.8 J	6.3 U	6.8 U	6.3 U	--	5.7 U
Total BTEX (U = 1/2)	--	12 J	6.3 U	6.8 U	6.3 U	--	5.7 U
Total xylene (U = 0)	--	6.8 U	6.3 U	6.8 U	6.3 U	--	5.7 U
Total xylene (U = 1/2)	--	6.8 U	6.3 U	6.8 U	6.3 U	--	5.7 U
Trichloroethene (TCE)	SW8260B	3.4 U	3.1 U	3.4 U	3.2 U	--	2.8 U
Trichlorofluoromethane (fluorotrichloromethane)	SW8260B	17 U	16 U	17 U	16 U	--	14 U
Vinyl acetate	SW8260B	34 U	31 U	34 U	32 U	--	28 UJ
Vinyl chloride	SW8260B	6.8 U	6.3 U	6.8 U	6.3 U	--	5.7 U
Semivolatile Organics (µg/kg)							
1,2,4,5-Tetrachlorobenzene	SW8270C	1100 U	510 U	1100 U	490 U	--	500 UJ
1,4-Dioxane	SW8270C	2200 U	1000 U	2200 U	990 U	--	1000 UJ
2,3,4,6-Tetrachlorophenol	SW8270C	1100 U	510 U	1100 U	490 U	--	500 UJ
2,4,5-Trichlorophenol	SW8270C	1100 U	510 U	1100 U	490 U	--	500 UJ
2,4,6-Trichlorophenol	SW8270C	1100 U	510 U	1100 U	490 U	--	500 UJ

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2084	Spring Surface Sediment 2085	Spring Surface Sediment 2086	Spring Surface Sediment 2087	Spring Surface Sediment 2088	Spring Surface Sediment 2089
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.44	0.44	0.44	0.5	0.5	0.5
Location ID		NC012SG_20120510	NC013SG_20120506	NC014SG_20120510	NC015SG_20120506	NC016SG_20120506	NC016SG_20120506
Sample ID		NC012SG-000015-20120510	NC013SG-000013-20120506	NC014SG-000015-20120510	NC015SG-000015-20120506	NC016SG-000003-20120506	NC016SG-000015-20120506
Sample Date		5/10/2012	5/6/2012	5/10/2012	5/6/2012	5/6/2012	5/6/2012
Sample Depth		0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
Water Column Depth		15.7	25	18.7	10.8	14.9	14.9
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
2,4-Dichlorophenol	SW8270C	220 U	100 U	220 U	100 U	--	100 UJ
2,4-Dimethylphenol	SW8270C	1100 UJ	510 UJ	1100 UJ	490 UJ	--	500 UJ
2,4-Dinitrophenol	SW8270C	5600 UJ	2600 U	5500 UJ	2500 U	--	2600 U
2,4-Dinitrotoluene	SW8270C	1100 U	510 U	1100 U	490 U	--	500 U
2,6-Dinitrotoluene	SW8270C	1100 U	510 U	1100 U	490 U	--	500 UJ
2-Chloronaphthalene	SW8270C	220 U	100 U	220 U	100 U	--	100 UJ
2-Chlorophenol	SW8270C	1100 U	510 U	1100 U	490 U	--	500 UJ
2-Methylnaphthalene	SW8270C	69 J	73 J	76 J	34 J	--	58 J
2-Methylphenol (o-Cresol)	SW8270C	1100 U	510 U	1100 U	490 U	--	500 UJ
2-Nitroaniline	SW8270C	5600 U	2600 U	5500 U	2500 U	--	2600 U
2-Nitrophenol	SW8270C	1100 U	510 U	1100 U	490 U	--	500 UJ
3,3'-Dichlorobenzidine	SW8270C	1100 UJ	510 U	1100 UJ	490 U	--	-- R
3-methylphenol and 4-methylphenol (m&p-cresol)	SW8270C	1100 U	510 U	1100 U	490 U	--	500 UJ
3-Nitroaniline	SW8270C	5600 U	2600 U	5500 U	2500 U	--	2600 U
4-Bromophenyl-phenyl ether	SW8270C	1100 U	510 U	1100 U	490 U	--	500 UJ
4-Chloro-3-methylphenol	SW8270C	1100 U	510 U	1100 U	490 U	--	500 UJ
4-Chloroaniline	SW8270C	1100 U	510 U	1100 U	490 U	--	500 UJ
4-Chlorophenyl phenyl ether	SW8270C	1100 U	510 U	1100 U	490 U	--	500 UJ
4-Nitroaniline	SW8270C	5600 UJ	2600 U	5500 UJ	2500 U	--	2600 U
4-Nitrophenol	SW8270C	5600 UJ	2600 U	5500 UJ	2500 U	--	2600 U
Acenaphthene	SW8270C	61 J	100	74 J	40 J	--	53 J
Acenaphthylene	SW8270C	120 J	110	110 J	51 J	--	80 J
Acetophenone	SW8270C	1100 U	510 U	1100 U	490 U	--	500 UJ
Anthracene	SW8270C	210 J	290	260	160	--	170 J
Atrazine	SW8270C	1100 UJ	510 UJ	1100 UJ	490 UJ	--	500 UJ
Benzaldehyde	SW8270C	1100 UJ	510 UJ	1100 UJ	490 UJ	--	500 UJ
Benzo(a)anthracene	SW8270C	590	570	600	300	--	420
Benzo(a)pyrene	SW8270C	680	610	650	300	--	420
Benzo(b)fluoranthene	SW8270C	610	540	570	360	--	410
Benzo(g,h,i)perylene	SW8270C	410	350	350	170	--	220 J
Benzo(k)fluoranthene	SW8270C	410	330	380	110	--	250 J
Biphenyl (1,1'-Biphenyl)	SW8270C	1100 U	510 U	1100 U	490 U	--	500 UJ

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2084	Spring Surface Sediment 2085	Spring Surface Sediment 2086	Spring Surface Sediment 2087	Spring Surface Sediment 2088	Spring Surface Sediment 2089
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.44	0.44	0.44	0.5	0.5	0.5
Location ID		NC012SG_20120510	NC013SG_20120506	NC014SG_20120510	NC015SG_20120506	NC016SG_20120506	NC016SG_20120506
Sample ID		NC012SG-000015-20120510	NC013SG-000013-20120506	NC014SG-000015-20120510	NC015SG-000015-20120506	NC016SG-000003-20120506	NC016SG-000015-20120506
Sample Date		5/10/2012	5/6/2012	5/10/2012	5/6/2012	5/6/2012	5/6/2012
Sample Depth		0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
Water Column Depth		15.7	25	18.7	10.8	14.9	14.9
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
bis(2-Chloroethoxy)methane	SW8270C	1100 U	510 U	1100 U	490 U	--	500 UJ
bis(2-Chloroethyl)ether	SW8270C	220 U	100 U	220 U	100 U	--	100 UJ
bis(2-Chloroisopropyl)ether	SW8270C	220 U	100 U	220 U	100 U	--	100 U
Bis(2-ethylhexyl)phthalate	SW8270C	2500	1400	2100 J	1200	--	1400
Butylbenzyl phthalate	SW8270C	230 J	510 U	1100 U	490 U	--	500 U
Caprolactam	SW8270C	5600 UJ	2600 U	5500 UJ	2500 U	--	2600 U
Carbazole	SW8270C	27 J	53 J	38 J	38 J	--	32 J
Chrysene	SW8270C	700	670	780	310	--	520 J
Dibenzo(a,h)anthracene	SW8270C	130 J	130	59 J	52 J	--	88 J
Dibenzofuran	SW8270C	1100 U	55 J	1100 U	490 U	--	500 UJ
Diethyl phthalate	SW8270C	120 J	510 U	1100 U	490 U	--	500 UJ
Dimethyl phthalate	SW8270C	1100 U	510 U	1100 U	490 U	--	500 UJ
Di-n-butyl phthalate	SW8270C	1100 U	510 U	1100 U	490 U	--	500 UJ
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)	SW8270C	5600 U	2600 U	5500 U	2500 U	--	2600 U
Di-n-octyl phthalate	SW8270C	1100 U	510 U	1100 U	490 U	--	500 U
Fluoranthene	SW8270C	800	830	980	560	--	570 J
Fluorene	SW8270C	74 J	110	67 J	48 J	--	63 J
Hexachlorobenzene	SW8270C	220 U	100 U	220 U	100 U	--	100 UJ
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270C	220 U	100 U	220 U	100 U	--	100 UJ
Hexachlorocyclopentadiene	SW8270C	1100 U	510 U	1100 U	490 U	--	500 UJ
Hexachloroethane	SW8270C	1100 U	510 U	1100 U	490 U	--	500 UJ
Indeno(1,2,3-c,d)pyrene	SW8270C	330	340	330	160	--	220 J
Isophorone	SW8270C	1100 U	510 U	1100 U	490 U	--	500 UJ
Naphthalene	SW8270C	110 J	190	150 J	79 J	--	94 J
Nitrobenzene	SW8270C	2200 U	1000 U	2200 U	990 U	--	1000 UJ
N-Nitrosodi-N-propylamine	SW8270C	220 U	100 U	220 U	100 U	--	100 UJ
N-Nitrosodiphenylamine	SW8270C	1100 U	510 U	1100 U	490 U	--	500 U
Pentachlorophenol	SW8270C	1100 UJ	510 U	1100 UJ	490 U	--	500 UJ
Phenanthrene	SW8270C	370	420	360	210	--	280 J
Phenol	SW8270C	220 U	100 U	220 U	100 U	--	100 UJ
Pyrene	SW8270C	1100	1100	1300	620	--	730

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2084	Spring Surface Sediment 2085	Spring Surface Sediment 2086	Spring Surface Sediment 2087	Spring Surface Sediment 2088	Spring Surface Sediment 2089
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.44	0.44	0.44	0.5	0.5	0.5
Location ID		NC012SG_20120510	NC013SG_20120506	NC014SG_20120510	NC015SG_20120506	NC016SG_20120506	NC016SG_20120506
Sample ID		NC012SG-000015-20120510	NC013SG-000013-20120506	NC014SG-000015-20120510	NC015SG-000015-20120506	NC016SG-000003-20120506	NC016SG-000015-20120506
Sample Date		5/10/2012	5/6/2012	5/10/2012	5/6/2012	5/6/2012	5/6/2012
Sample Depth		0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
Water Column Depth		15.7	25	18.7	10.8	14.9	14.9
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total cresol (o,m,p) (U = 0)	--	1100 U	510 U	1100 U	490 U	--	500 UJ
Total cresol (o,m,p) (U = 1/2)	--	1100 U	510 U	1100 U	490 U	--	500 UJ
Polycyclic Aromatic Hydrocarbons (µg/kg)							
1,6,7-Trimethylnaphthalene	SW8270CMSIM	33.5	50.3	33.1	38.1	--	21.4
1-Methyldibenzothiophene	SW8270CMSIM	16.7 J	26.3	18.3 J	19.9 J	--	18 J
1-Methylnaphthalene	SW8270CMSIM	64.5	125	73.6	104	--	89.5
1-Methylphenanthrene	SW8270CMSIM	152	236	176	178	--	140
2,6-Dimethylnaphthalene	SW8270CMSIM	117	202	116	162	--	130
2-Methylantracene	SW8270CMSIM	110	190	129	130	--	117
2-Methyldibenzothiophene and 3-methyldibenzothiophene	SW8270CMSIM	36.1	50.2	39.3	40.8	--	32.4
2-Methylnaphthalene	SW8270CMSIM	150	274	140	231	--	198
2-Methylphenanthrene	SW8270CMSIM	126	227	125	197	--	133
4-Methyldibenzothiophene	SW8270CMSIM	52.2	83.1	59.4	61.9	--	54.4
4-Methylphenanthrene and 9-methylphenanthrene	SW8270CMSIM	163	291	179	204	--	181
Acenaphthene	SW8270CMSIM	84.7	266	122	246	--	116
Acenaphthylene	SW8270CMSIM	158	370	179	234	--	250
Anthracene	SW8270CMSIM	367	792	493	810	--	449
Benzo(a)anthracene	SW8270CMSIM	965	1820	944	1490	--	981
Benzo(a)pyrene	SW8270CMSIM	1210	1940	1160	1410	--	1070
Benzo(b)fluoranthene	SW8270CMSIM	1080	1700	990	1410	--	978
Benzo(e)pyrene	SW8270CMSIM	917	1380	829	1120	--	806
Benzo(g,h,i)perylene	SW8270CMSIM	731	1130	679	868	--	588
Benzo(j,k)fluoranthene	SW8270CMSIM	1000	1500	916	1260	--	870
Benzonaphthothiophene	SW8270CMSIM	356	505	352	448	--	336
Benzothiophene	SW8270CMSIM	7.8 J	21.9 J	8.95 J	18 J	--	15.4 J
Carbazole	SW8270CMSIM	45.8	101	47.3	169	--	63.7
Chrysene	SW8270CMSIM	1020	2070	1020	1720	--	1040
Decalin, cis and trans-	SW8270CMSIM	16.1	21.2	14.7	34.1	--	20.1
Dibenzo(a,h)anthracene and dibenzo(a,c)anthracene	SW8270CMSIM	238	359	221	287	--	196
Dibenzothiophene	SW8270CMSIM	82	163	95.9	149	--	95.9

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2084	Spring Surface Sediment 2085	Spring Surface Sediment 2086	Spring Surface Sediment 2087	Spring Surface Sediment 2088	Spring Surface Sediment 2089
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.44	0.44	0.44	0.5	0.5	0.5
Location ID		NC012SG_20120510	NC013SG_20120506	NC014SG_20120510	NC015SG_20120506	NC016SG_20120506	NC016SG_20120506
Sample ID		NC012SG-000015-20120510	NC013SG-000013-20120506	NC014SG-000015-20120510	NC015SG-000015-20120506	NC016SG-000003-20120506	NC016SG-000015-20120506
Sample Date		5/10/2012	5/6/2012	5/10/2012	5/6/2012	5/6/2012	5/6/2012
Sample Depth		0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
Water Column Depth		15.7	25	18.7	10.8	14.9	14.9
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Fluoranthene	SW8270CMSIM	2020	3480	2140	3280	--	2060
Fluorene	SW8270CMSIM	98.7	237	122	260	--	130
Indeno(1,2,3-c,d)pyrene	SW8270CMSIM	763	1120	695	875	--	585
Naphthalene	SW8270CMSIM	193	716	246	449	--	348
Perylene	SW8270CMSIM	540	694	506	588	--	467
Phenanthrene	SW8270CMSIM	620	1420	620	1450	--	732
Pyrene	SW8270CMSIM	2460	3660	2350	3170	--	2450
Retene	SW8270CMSIM	244	214	20.3 U	161	--	195
Total benzofluoranthenes (U = 0)	--	2080	3200	1906	2670	--	1848
Total benzofluoranthenes (U = 1/2)	--	2080	3200	1906	2670	--	1848
Total cPAH TEQ (USEPA 1993) (U = 0)	--	1739.82	2780.07	1654.08	2088.82	--	1530.14
Total cPAH TEQ (USEPA 1993) (U = 1/2)	--	1739.82	2780.07	1654.08	2088.82	--	1530.14
Total HPAH (9 of 16) (U = 0)	--	11487	18779	11115	15770	--	10818
Total HPAH (9 of 16) (U = 1/2)	--	11487	18779	11115	15770	--	10818
Total LPAH (7 of 16) (U = 0)	--	1671.4	4075	1922	3680	--	2223
Total LPAH (7 of 16) (U = 1/2)	--	1671.4	4075	1922	3680	--	2223
Total PAH (16) (U = 0)	--	13158.4	22854	13037	19450	--	13041
Total PAH (16) (U = 1/2)	--	13158.4	22854	13037	19450	--	13041
Alkylated Polycyclic Aromatic Hydrocarbons (µg/kg)							
C1-Benzo(a)anthracenes/chrysenes	SW8270CMSIM	941	1430	919	1090	--	936
C1-Benzo(b)thiophenes	SW8270CMSIM	22	42.1	20.1 J	35.4	--	27.2
C1-Decalins	SW8270CMSIM	75.8	69.5	58.6	76	--	56.9
C1-Dibenzothiophenes	SW8270CMSIM	127	189	135	147	--	122
C1-Fluoranthenes/Pyrenes	SW8270CMSIM	2010	2530	1930	2000	--	1790
C1-Fluorenes	SW8270CMSIM	90.5	188	109	150	--	117
C1-Naphthalenes	SW8270CMSIM	129	240	124	201	--	172
C1-Phenanthrenes/Anthracenes	SW8270CMSIM	677	1150	740	860	--	692
C2-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	644	908	634	747	--	617
C2-Benzo(b)thiophenes	SW8270CMSIM	20.7	35.2	22.2	27.2	--	23.6
C2-Decalins	SW8270CMSIM	248	239	173	217	--	175
C2-Dibenzothiophenes	SW8270CMSIM	247	323	257	266	--	240
C2-Fluorenes	SW8270CMSIM	221	313	212	260	--	212
C2-Naphthalenes	SW8270CMSIM	173	326	176	257	--	202

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2084	Spring Surface Sediment 2085	Spring Surface Sediment 2086	Spring Surface Sediment 2087	Spring Surface Sediment 2088	Spring Surface Sediment 2089
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.44	0.44	0.44	0.5	0.5	0.5
Location ID		NC012SG_20120510	NC013SG_20120506	NC014SG_20120510	NC015SG_20120506	NC016SG_20120506	NC016SG_20120506
Sample ID		NC012SG-000015-20120510	NC013SG-000013-20120506	NC014SG-000015-20120510	NC015SG-000015-20120506	NC016SG-000003-20120506	NC016SG-000015-20120506
Sample Date		5/10/2012	5/6/2012	5/10/2012	5/6/2012	5/6/2012	5/6/2012
Sample Depth		0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
Water Column Depth		15.7	25	18.7	10.8	14.9	14.9
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
C2-Phenanthrenes/Anthracenes	SW8270CMSIM	825	1060	754	835	--	739
C3-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	554	690	521	619	--	434
C3-Benzo(b)thiophenes	SW8270CMSIM	31.9	47.1	39.1	40.4	--	39.9
C3-Decalins	SW8270CMSIM	267	248	214	204	--	188
C3-Dibenzothiophenes	SW8270CMSIM	297	323	279	299	--	286
C3-Fluorenes	SW8270CMSIM	359	435	431	422	--	342
C3-Naphthalenes	SW8270CMSIM	186	316	192	247	--	190
C3-Phenanthrenes/Anthracenes	SW8270CMSIM	622	639	579	548	--	531
C4-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	337	348	335	330	--	249
C4-Benzo(b)thiophenes	SW8270CMSIM	37.7	39.9	35.4	36.8	--	34.8
C4-Decalins	SW8270CMSIM	364	313	330	286	--	263
C4-Dibenzothiophenes	SW8270CMSIM	210	209	188	200	--	193
C4-Naphthalenes	SW8270CMSIM	208	276	193	244	--	184
C4-Phenanthrenes/Anthracenes	SW8270CMSIM	376	345	381	309	--	310
n-Alkanes and Isoprenoids (µg/kg)							
2,6,10-Trimethyldodecane	SW8015M	238 J	1470 U	207 J	219 J	--	1350 U
2,6,10-Trimethyltridecane	SW8015M	615 J	859 J	605 J	797 J	--	609 J
n-Decane (C10)	SW8015M	1380 U	1470 U	1350 U	1450 U	--	1350 U
n-Docosane (C22)	SW8015M	232 J	1470 U	227 J	236 J	--	1350 U
n-Dodecane (C12)	SW8015M	1380 U	1470 U	1350 U	1450 U	--	1350 U
n-Dotriacontane (C32)	SW8015M	639 J	410 J	628 J	729 J	--	420 J
n-Eicosane (C20)	SW8015M	1380 U	349 J	1350 U	426 J	--	283 J
n-Heneicosane (C21)	SW8015M	341 J	309 J	278 J	384 J	--	263 J
n-Hentriacontane (C31)	SW8015M	3180	2920	2980	3640	--	2740
n-Heptacosane (C27)	SW8015M	2350	1940	2120	2350	--	1630
n-Heptadecane (C17)	SW8015M	573 J	595 J	529 J	668 J	--	455 J
n-Heptatriacontane (C37)	SW8015M	705 J	523 J	609 J	565 J	--	382 J
n-Hexacosane (C26)	SW8015M	549 J	513 J	593 J	693 J	--	440 J
n-Hexadecane (C16)	SW8015M	1380 U	1470 U	1350 U	288 J	--	1350 U
n-Hexatriacontane (C36)	SW8015M	544 J	1040 J	571 J	1140 J	--	954 J
n-Nonacosane (C29)	SW8015M	2640	1940	2440	2740	--	1900
n-Nonadecane (C19)	SW8015M	1380 U	1470 U	1350 U	1450 U	--	1350 U
n-Nonane (C9)	SW8015M	1380 U	1470 U	1350 U	1450 U	--	1350 U

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2084	Spring Surface Sediment 2085	Spring Surface Sediment 2086	Spring Surface Sediment 2087	Spring Surface Sediment 2088	Spring Surface Sediment 2089
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.44	0.44	0.44	0.5	0.5	0.5
Location ID		NC012SG_20120510	NC013SG_20120506	NC014SG_20120510	NC015SG_20120506	NC016SG_20120506	NC016SG_20120506
Sample ID		NC012SG-000015-20120510	NC013SG-000013-20120506	NC014SG-000015-20120510	NC015SG-000015-20120506	NC016SG-000003-20120506	NC016SG-000015-20120506
Sample Date		5/10/2012	5/6/2012	5/10/2012	5/6/2012	5/6/2012	5/6/2012
Sample Depth		0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
Water Column Depth		15.7	25	18.7	10.8	14.9	14.9
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
n-Nonatriacontane (C39)	SW8015M	752 J	633 J	722 J	929 J	--	576 J
n-Octacosane (C28)	SW8015M	374 J	328 J	294 J	467 J	--	350 J
n-Octadecane (C18)	SW8015M	712 J	1590 J	716 J	1620 J	--	806 J
n-Octatriacontane (C38)	SW8015M	579 J	534 J	514 J	681 J	--	489 J
Norpristane	SW8015M	466 J	488 J	1350 U	538 J	--	1350 U
n-Pentacosane (C25)	SW8015M	2490 J	3520 J	1960 J	3880 J	--	2630 J
n-Pentadecane (C15)	SW8015M	370 J	251 J	357 J	259 J	--	198 J
n-Pentatriacontane (C35)	SW8015M	1180 J	638 J	1120 J	774 J	--	524 J
n-Tetracontane (C40)	SW8015M	663 J	1470 U	523 J	544 J	--	1350 U
n-Tetracosane (C24)	SW8015M	1380 U	1470 U	1350 U	303 J	--	1350 U
n-Tetradecane (C14)	SW8015M	1380 U	1470 U	1350 U	1450 U	--	1350 U
n-Tetratriacontane (C34)	SW8015M	1140 J	1470 U	1260 J	587 J	--	509 J
n-Triacontane (C30)	SW8015M	780 J	692 J	742 J	926 J	--	713 J
n-Tricosane (C23)	SW8015M	546 J	576 J	532 J	571 J	--	459 J
n-Tridecane (C13)	SW8015M	1380 U	1470 U	1350 U	1450 U	--	1350 U
n-Tritriacontane (C33)	SW8015M	1890	3130	2900	4450	--	2010
n-Undecane (C11)	SW8015M	1380 U	1470 U	1350 U	1450 U	--	1350 U
Pesticides (µg/kg)							
2,4'-DDD (o,p'-DDD)	SW8081A	0.27 U	0.26 U	0.27 U	0.25 U	--	0.25 U
2,4'-DDE (o,p'-DDE)	SW8081A	0.61 J	0.26 U	1.1	0.41 J	--	1.1 J
2,4'-DDT (o,p'-DDT)	SW8081A	0.091 J	0.26 U	0.27 U	0.25 U	--	0.25 U
4,4'-DDD (p,p'-DDD)	SW8081A	4.4 J	5	4.4	4	--	3.8 J
4,4'-DDE (p,p'-DDE)	SW8081A	3.1 J	3.7 J	2.6 J	4.6	--	5.1
4,4'-DDT (p,p'-DDT)	SW8081A	1.8 J	2.3	0.63 U	2.3	--	1.3 J
Aldrin	SW8081A	0.27 U	0.26 U	0.27 U	0.25 U	--	0.25 UJ
alpha-Hexachlorocyclohexane (BHC)	SW8081A	0.1 J	0.049 J	0.27 U	0.25 U	--	0.055 J
Chlordane, alpha- (cis-Chlordane)	SW8081A	1.8 J	1.2 J	2.2	1.6 J	--	1.2 J
Chlordane, beta- (trans-Chlordane)	SW8081A	0.27 U	0.26 U	0.27 U	0.25 U	--	-- R
delta-Hexachlorocyclohexane (BHC)	SW8081A	-- R	0.045 J	0.16 J	0.32 J	--	0.25 UJ
Dieldrin	SW8081A	0.96 J	0.37 J	0.82 J	0.25 U	--	0.25 U
Endosulfan sulfate	SW8081A	0.36 J	0.18 J	0.4 J	0.17 J	--	0.37 J
Endosulfan-alpha (I)	SW8081A	0.27 U	0.26 U	0.27 U	0.25 U	--	0.25 U
Endosulfan-beta (II)	SW8081A	0.66 J	0.26 U	0.5 J	0.075 J	--	0.16 J

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2084	Spring Surface Sediment 2085	Spring Surface Sediment 2086	Spring Surface Sediment 2087	Spring Surface Sediment 2088	Spring Surface Sediment 2089
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	0.44	0.44	0.44	0.5	0.5	0.5
		Location ID	NC012SG_20120510	NC013SG_20120506	NC014SG_20120510	NC015SG_20120506	NC016SG_20120506	NC016SG_20120506
		Sample ID	NC012SG-000015-20120510	NC013SG-000013-20120506	NC014SG-000015-20120510	NC015SG-000015-20120506	NC016SG-000003-20120506	NC016SG-000015-20120506
		Sample Date	5/10/2012	5/6/2012	5/10/2012	5/6/2012	5/6/2012	5/6/2012
		Sample Depth	0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
		Water Column Depth	15.7	25	18.7	10.8	14.9	14.9
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
Endrin	SW8081A		0.17 J	0.26 U	0.31 J	0.2 J	--	0.25 U
Endrin aldehyde	SW8081A		0.29 J	0.18 J	0.2 J	0.15 J	--	0.11 J
Endrin ketone	SW8081A		-- R	0.26 UJ	0.27 UJ	0.67 J	--	0.65 J
Heptachlor	SW8081A		0.27 U	0.26 U	0.27 U	0.25 U	--	0.25 UJ
Heptachlor epoxide	SW8081A		-- R	0.092 J	0.27 U	0.25 U	--	0.25 U
Hexachlorobenzene	SW8081A		0.19 J	0.26 U	0.17 J	0.077 J	--	0.094 J
Hexachlorocyclohexane, beta- (BHC)	SW8081A		0.27 U	0.26 U	0.27 U	0.25 U	--	0.25 UJ
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	SW8081A		0.27 U	0.26 U	0.27 U	0.25 U	--	0.25 UJ
Methoxychlor	SW8081A		-- R	0.51 U	0.54 UJ	0.5 U	--	0.82
Mirex	SW8081A		-- R	2.3	0.27 U	0.5	--	0.25 U
Nonachlor, cis-	SW8081A		-- R	0.46 J	0.27 U	0.15 J	--	0.33 J
Nonachlor, trans-	SW8081A		0.33 J	0.26 U	0.31 J	0.38 J	--	0.32 J
Oxychlordane	SW8081A		0.13 J	0.14 J	0.39 J	0.54 J	--	0.22 J
Sum DDD (U = 0)	--		4.4 J	5	4.4	4	--	3.8 J
Sum DDD (U = 1/2)	--		4.54 J	5.13	4.54	4.13	--	3.92 J
Sum DDE (U = 0)	--		3.71 J	3.7 J	3.7 J	5.01 J	--	6.2 J
Sum DDE (U = 1/2)	--		3.71 J	3.83 J	3.7 J	5.01 J	--	6.2 J
Sum DDT (U = 0)	--		1.891 J	2.3	0.63 U	2.3	--	1.3 J
Sum DDT (U = 1/2)	--		1.891 J	2.43	0.63 U	2.42	--	1.43 J
Total chlordane (U = 0)	--		2.26 J	1.8 J	2.9 J	2.67 J	--	1.906 J
Total chlordane (U = 1/2)	--		2.4 J	2.06 J	3.17 J	2.8 J	--	2.016 J
Total DDx (U = 0)	--		10.001 J	11 J	8.1 J	11.31 J	--	11.3 J
Total DDx (U = 1/2)	--		10.136 J	11.39 J	8.69 J	11.56 J	--	11.55 J
Toxaphene	SW8081A		11 U	10 U	11 U	9.9 U	--	10 U
Pesticides - High Resolution (µg/kg)								
2,4'-DDD (o,p'-DDD)	E1699		--	--	--	2.8	--	--
2,4'-DDE (o,p'-DDE)	E1699		--	--	--	0.88	--	--
2,4'-DDT (o,p'-DDT)	E1699		--	--	--	0.52 UJ	--	--
4,4'-DDD (p,p'-DDD)	E1699		--	--	--	9.8	--	--
4,4'-DDE (p,p'-DDE)	E1699		--	--	--	12	--	--
4,4'-DDT (p,p'-DDT)	E1699		--	--	--	6.7 J	--	--
Aldrin	E1699		--	--	--	0.048 U	--	--

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2084	Spring Surface Sediment 2085	Spring Surface Sediment 2086	Spring Surface Sediment 2087	Spring Surface Sediment 2088	Spring Surface Sediment 2089
Task		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
Tributary		0.44	0.44	0.44	0.5	0.5	0.5
River Mile							
Location ID		NC012SG_20120510	NC013SG_20120506	NC014SG_20120510	NC015SG_20120506	NC016SG_20120506	NC016SG_20120506
Sample ID		NC012SG-000015-20120510	NC013SG-000013-20120506	NC014SG-000015-20120510	NC015SG-000015-20120506	NC016SG-000003-20120506	NC016SG-000015-20120506
Sample Date		5/10/2012	5/6/2012	5/10/2012	5/6/2012	5/6/2012	5/6/2012
Sample Depth		0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
Water Column Depth		15.7	25	18.7	10.8	14.9	14.9
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
alpha-Hexachlorocyclohexane (BHC)	E1699	--	--	--	0.087 J	--	--
Chlordane, alpha- (cis-Chlordane)	E1699	--	--	--	4.2	--	--
Chlordane, beta- (trans-Chlordane)	E1699	--	--	--	4.7	--	--
delta-Hexachlorocyclohexane (BHC)	E1699	--	--	--	0.035 U	--	--
Dieldrin	E1699	--	--	--	2.2	--	--
Endosulfan sulfate	E1699	--	--	--	0.12 J	--	--
Endosulfan-alpha (I)	E1699	--	--	--	0.17 U	--	--
Endosulfan-beta (II)	E1699	--	--	--	0.26 U	--	--
Endrin	E1699	--	--	--	0.099 U	--	--
Endrin aldehyde	E1699	--	--	--	0.17 U	--	--
Endrin ketone	E1699	--	--	--	0.1 U	--	--
Heptachlor	E1699	--	--	--	0.017 U	--	--
Heptachlor epoxide	E1699	--	--	--	0.18 J	--	--
Hexachlorobenzene	E1699	--	--	--	0.63	--	--
Hexachlorocyclohexane, beta- (BHC)	E1699	--	--	--	0.074 J	--	--
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	E1699	--	--	--	0.1 J	--	--
Methoxychlor	E1699	--	--	--	1.1 UJ	--	--
Mirex	E1699	--	--	--	0.22 J	--	--
Nonachlor, cis-	E1699	--	--	--	1.4	--	--
Nonachlor, trans-	E1699	--	--	--	2.7	--	--
Oxychlordane	E1699	--	--	--	0.077 J	--	--
Sum DDD high resolution (U = 0)	--	--	--	--	12.6	--	--
Sum DDD high resolution (U = 1/2)	--	--	--	--	12.6	--	--
Sum DDE high resolution (U = 0)	--	--	--	--	12.88	--	--
Sum DDE high resolution (U = 1/2)	--	--	--	--	12.88	--	--
Sum DDT high resolution (U = 0)	--	--	--	--	6.7 J	--	--
Sum DDT high resolution (U = 1/2)	--	--	--	--	6.96 J	--	--
Total chlordane high resolution (U = 0)	--	--	--	--	13.077 J	--	--
Total chlordane high resolution (U = 1/2)	--	--	--	--	13.077 J	--	--
Total DDx high resolution (U = 0)	--	--	--	--	32.18 J	--	--
Total DDx high resolution (U = 1/2)	--	--	--	--	32.44 J	--	--
Toxaphene	E1699	--	--	--	18 U	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2084	Spring Surface Sediment 2085	Spring Surface Sediment 2086	Spring Surface Sediment 2087	Spring Surface Sediment 2088	Spring Surface Sediment 2089
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.44	0.44	0.44	0.5	0.5	0.5
Location ID		NC012SG_20120510	NC013SG_20120506	NC014SG_20120510	NC015SG_20120506	NC016SG_20120506	NC016SG_20120506
Sample ID		NC012SG-000015-20120510	NC013SG-000013-20120506	NC014SG-000015-20120510	NC015SG-000015-20120506	NC016SG-000003-20120506	NC016SG-000015-20120506
Sample Date		5/10/2012	5/6/2012	5/10/2012	5/6/2012	5/6/2012	5/6/2012
Sample Depth		0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
Water Column Depth		15.7	25	18.7	10.8	14.9	14.9
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Herbicides (µg/kg)							
2,2-Dichloropropionic acid (dalapon)	SW8151A	290 U	280 UJ	290 U	270 UJ	--	270 UJ
2,4,5-T (2,4,5-trichlorophenoxyacetic acid)	SW8151A	66 U	62 U	65 U	60 U	--	60 U
2,4,5-TP (Silvex)	SW8151A	66 U	62 U	65 U	60 U	--	60 U
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	24 J	250 U	30 J	240 U	--	240 U
2,4-DB (2,4-D derivative)	SW8151A	260 U	250 UJ	260 U	240 UJ	--	240 UJ
Dicamba	SW8151A	130 U	120 U	130 U	120 U	--	120 U
Dichlorprop	SW8151A	53 J	120 J	70 J	240 U	--	240 U
Dinoseb	SW8151A	39 U	37 U	39 U	36 U	--	36 UJ
Mecoprop (MCP)	SW8151A	26000 U	25000 U	26000 U	24000 U	--	24000 U
Mephanac (MCPA)	SW8151A	26000 U	25000 U	26000 U	24000 U	--	24000 U
Dioxin Furans (ng/kg)							
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	--	--	--	1.49 J	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	--	--	--	1.76 J	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	--	--	2.04 U	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	--	--	7.73	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	--	--	4.86 J	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B	--	--	--	110	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B	--	--	--	1060	--	--
Total tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	--	--	--	27.7 J	--	--
Total pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	--	--	--	18.2 J	--	--
Total hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	--	--	76.5 J	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2084	Spring Surface Sediment 2085	Spring Surface Sediment 2086	Spring Surface Sediment 2087	Spring Surface Sediment 2088	Spring Surface Sediment 2089
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	0.44	0.44	0.44	0.5	0.5	0.5
		Location ID	NC012SG_20120510	NC013SG_20120506	NC014SG_20120510	NC015SG_20120506	NC016SG_20120506	NC016SG_20120506
		Sample ID	NC012SG-000015-20120510	NC013SG-000013-20120506	NC014SG-000015-20120510	NC015SG-000015-20120506	NC016SG-000003-20120506	NC016SG-000015-20120506
		Sample Date	5/10/2012	5/6/2012	5/10/2012	5/6/2012	5/6/2012	5/6/2012
		Sample Depth	0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
		Water Column Depth	15.7	25	18.7	10.8	14.9	14.9
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
Total heptachlorodibenzo-p-dioxin (HpCDD)	E1613B		--	--	--	271	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B		--	--	--	6.78	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B		--	--	--	3.9 J	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B		--	--	--	4.83 J	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B		--	--	--	9.6	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B		--	--	--	5.8 J	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B		--	--	--	1.41 U	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B		--	--	--	4.78 J	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B		--	--	--	63.9	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B		--	--	--	2.87 UJ	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B		--	--	--	102	--	--
Total tetrachlorodibenzofuran (TCDF)	E1613B		--	--	--	84.8 J	--	--
Total pentachlorodibenzofuran (PeCDF)	E1613B		--	--	--	64.4 J	--	--
Total hexachlorodibenzofuran (HxCDF)	E1613B		--	--	--	77.3 J	--	--
Total heptachlorodibenzofuran (HpCDF)	E1613B		--	--	--	108 J	--	--
Total dioxin/furan TEQ 1998 (avian) (U = 0)	--		--	--	--	18.7 J	--	--
Total dioxin/furan TEQ 1998 (avian) (U = 1/2)	--		--	--	--	18.83 J	--	--
Total dioxin/furan TEQ 1998 (fish) (U = 0)	--		--	--	--	9.21 J	--	--
Total dioxin/furan TEQ 1998 (fish) (U = 1/2)	--		--	--	--	9.8 J	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2084	Spring Surface Sediment 2085	Spring Surface Sediment 2086	Spring Surface Sediment 2087	Spring Surface Sediment 2088	Spring Surface Sediment 2089
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.44	0.44	0.44	0.5	0.5	0.5
Location ID		NC012SG_20120510	NC013SG_20120506	NC014SG_20120510	NC015SG_20120506	NC016SG_20120506	NC016SG_20120506
Sample ID		NC012SG-000015-20120510	NC013SG-000013-20120506	NC014SG-000015-20120510	NC015SG-000015-20120506	NC016SG-000003-20120506	NC016SG-000015-20120506
Sample Date		5/10/2012	5/6/2012	5/10/2012	5/6/2012	5/6/2012	5/6/2012
Sample Depth		0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
Water Column Depth		15.7	25	18.7	10.8	14.9	14.9
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total dioxin/furan TEQ 2005 (mammal) (U = 0)	--	--	--	--	10.86 J	--	--
Total dioxin/furan TEQ 2005 (mammal) (U = 1/2)	--	--	--	--	11.05 J	--	--
PCB Aroclors (µg/kg)							
Aroclor 1016	SW8082A	14 U	13 U	14 U	12 U	--	13 U
Aroclor 1221	SW8082A	14 U	13 U	14 U	12 U	--	13 U
Aroclor 1232	SW8082A	14 U	13 U	14 U	12 U	--	13 U
Aroclor 1242	SW8082A	73	180	75	160	--	140
Aroclor 1248	SW8082A	14 U	13 U	14 U	12 U	--	13 U
Aroclor 1254	SW8082A	120	170	120	160	--	140
Aroclor 1260	SW8082A	14 U	13 U	14 U	12 U	--	13 U
Aroclor 1262	SW8082A	14 U	13 U	14 U	12 U	--	13 U
Aroclor 1268	SW8082A	14 U	13 U	14 U	12 U	--	13 U
Total PCB Aroclors (U = 0)	--	193	350	195	320	--	280
Total PCB Aroclors (U = 1/2)	--	242	395.5	244	362	--	325.5
PCB Congeners (ng/kg)							
PCB-001	E1668B	--	--	--	928	--	--
PCB-002	E1668B	--	--	--	60.5	--	--
PCB-003	E1668B	--	--	--	244	--	--
PCB-004	E1668B	--	--	--	2330	--	--
PCB-005	E1668B	--	--	--	31.5 J	--	--
PCB-006	E1668B	--	--	--	926	--	--
PCB-007	E1668B	--	--	--	62.3	--	--
PCB-008	E1668B	--	--	--	2320	--	--
PCB-009	E1668B	--	--	--	127	--	--
PCB-010	E1668B	--	--	--	221	--	--
PCB-011	E1668B	--	--	--	803	--	--
PCB-012/013	E1668B	--	--	--	865	--	--
PCB-014	E1668B	--	--	--	14.6 U	--	--
PCB-015	E1668B	--	--	--	4410	--	--
PCB-016	E1668B	--	--	--	1170	--	--
PCB-017	E1668B	--	--	--	2440	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2084	Spring Surface Sediment 2085	Spring Surface Sediment 2086	Spring Surface Sediment 2087	Spring Surface Sediment 2088	Spring Surface Sediment 2089
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	0.44	0.44	0.44	0.5	0.5	0.5
		Location ID	NC012SG_20120510	NC013SG_20120506	NC014SG_20120510	NC015SG_20120506	NC016SG_20120506	NC016SG_20120506
		Sample ID	NC012SG-000015-20120510	NC013SG-000013-20120506	NC014SG-000015-20120510	NC015SG-000015-20120506	NC016SG-000003-20120506	NC016SG-000015-20120506
		Sample Date	5/10/2012	5/6/2012	5/10/2012	5/6/2012	5/6/2012	5/6/2012
		Sample Depth	0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
		Water Column Depth	15.7	25	18.7	10.8	14.9	14.9
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-018/030	E1668B	--	--	--	--	3120	--	--
PCB-019	E1668B	--	--	--	--	569	--	--
PCB-020/028	E1668B	--	--	--	--	11900 J	--	--
PCB-021/033	E1668B	--	--	--	--	2020	--	--
PCB-022	E1668B	--	--	--	--	2310	--	--
PCB-023	E1668B	--	--	--	--	5.52 U	--	--
PCB-024	E1668B	--	--	--	--	6.54 U	--	--
PCB-025	E1668B	--	--	--	--	1510	--	--
PCB-026/029	E1668B	--	--	--	--	2750	--	--
PCB-027	E1668B	--	--	--	--	720	--	--
PCB-031	E1668B	--	--	--	--	8980 J	--	--
PCB-032	E1668B	--	--	--	--	1820	--	--
PCB-034	E1668B	--	--	--	--	94	--	--
PCB-035	E1668B	--	--	--	--	201	--	--
PCB-036	E1668B	--	--	--	--	42.6 U	--	--
PCB-037	E1668B	--	--	--	--	2290	--	--
PCB-038	E1668B	--	--	--	--	46.2 U	--	--
PCB-039	E1668B	--	--	--	--	39.3 U	--	--
PCB-040/071	E1668B	--	--	--	--	1810 J	--	--
PCB-041	E1668B	--	--	--	--	181 J	--	--
PCB-042	E1668B	--	--	--	--	1050 J	--	--
PCB-043	E1668B	--	--	--	--	106 J	--	--
PCB-044/047/065	E1668B	--	--	--	--	3790 J	--	--
PCB-045	E1668B	--	--	--	--	--	--	--
PCB-045/051	E1668B	--	--	--	--	355 J	--	--
PCB-046	E1668B	--	--	--	--	108 J	--	--
PCB-048	E1668B	--	--	--	--	536 J	--	--
PCB-049/069	E1668B	--	--	--	--	2860 J	--	--
PCB-050/053	E1668B	--	--	--	--	290 J	--	--
PCB-051	E1668B	--	--	--	--	--	--	--
PCB-052	E1668B	--	--	--	--	4140 J	--	--
PCB-054	E1668B	--	--	--	--	35.6 J	--	--
PCB-055	E1668B	--	--	--	--	9.09 UJ	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2084	Spring Surface Sediment 2085	Spring Surface Sediment 2086	Spring Surface Sediment 2087	Spring Surface Sediment 2088	Spring Surface Sediment 2089
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	0.44	0.44	0.44	0.5	0.5	0.5
		Location ID	NC012SG_20120510	NC013SG_20120506	NC014SG_20120510	NC015SG_20120506	NC016SG_20120506	NC016SG_20120506
		Sample ID	NC012SG-000015-20120510	NC013SG-000013-20120506	NC014SG-000015-20120510	NC015SG-000015-20120506	NC016SG-000003-20120506	NC016SG-000015-20120506
		Sample Date	5/10/2012	5/6/2012	5/10/2012	5/6/2012	5/6/2012	5/6/2012
		Sample Depth	0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
		Water Column Depth	15.7	25	18.7	10.8	14.9	14.9
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-056	E1668B	--	--	--	--	2040 J	--	--
PCB-057	E1668B	--	--	--	--	9.61 UJ	--	--
PCB-058	E1668B	--	--	--	--	9.41 UJ	--	--
PCB-059/062/075	E1668B	--	--	--	--	331 J	--	--
PCB-060	E1668B	--	--	--	--	877 J	--	--
PCB-061/070/074/076	E1668B	--	--	--	--	4340 J	--	--
PCB-063	E1668B	--	--	--	--	122 J	--	--
PCB-064	E1668B	--	--	--	--	1290 J	--	--
PCB-066	E1668B	--	--	--	--	3910 J	--	--
PCB-067	E1668B	--	--	--	--	98.1 J	--	--
PCB-068	E1668B	--	--	--	--	56.3 J	--	--
PCB-072	E1668B	--	--	--	--	88.1 J	--	--
PCB-073	E1668B	--	--	--	--	3.03 UJ	--	--
PCB-077	E1668B	--	--	--	--	1030 J	--	--
PCB-078	E1668B	--	--	--	--	9.6 UJ	--	--
PCB-079	E1668B	--	--	--	--	8.42 UJ	--	--
PCB-080	E1668B	--	--	--	--	8.59 UJ	--	--
PCB-081	E1668B	--	--	--	--	22.4	--	--
PCB-082	E1668B	--	--	--	--	477	--	--
PCB-083	E1668B	--	--	--	--	230	--	--
PCB-084	E1668B	--	--	--	--	651	--	--
PCB-085/116	E1668B	--	--	--	--	--	--	--
PCB-085/116/117	E1668B	--	--	--	--	729	--	--
PCB-086/087/097/108/119/125	E1668B	--	--	--	--	2530	--	--
PCB-088	E1668B	--	--	--	--	--	--	--
PCB-088/091	E1668B	--	--	--	--	438	--	--
PCB-089	E1668B	--	--	--	--	40.8	--	--
PCB-090/101/113	E1668B	--	--	--	--	3980	--	--
PCB-091	E1668B	--	--	--	--	--	--	--
PCB-092	E1668B	--	--	--	--	798	--	--
PCB-093/100	E1668B	--	--	--	--	46.4 J	--	--
PCB-094	E1668B	--	--	--	--	33.2	--	--
PCB-095	E1668B	--	--	--	--	1790	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2084	Spring Surface Sediment 2085	Spring Surface Sediment 2086	Spring Surface Sediment 2087	Spring Surface Sediment 2088	Spring Surface Sediment 2089
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	0.44	0.44	0.44	0.5	0.5	0.5
		Location ID	NC012SG_20120510	NC013SG_20120506	NC014SG_20120510	NC015SG_20120506	NC016SG_20120506	NC016SG_20120506
		Sample ID	NC012SG-000015-20120510	NC013SG-000013-20120506	NC014SG-000015-20120510	NC015SG-000015-20120506	NC016SG-000003-20120506	NC016SG-000015-20120506
		Sample Date	5/10/2012	5/6/2012	5/10/2012	5/6/2012	5/6/2012	5/6/2012
		Sample Depth	0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
		Water Column Depth	15.7	25	18.7	10.8	14.9	14.9
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-096	E1668B	--	--	--	--	31.2	--	--
PCB-098	E1668B	--	--	--	--	--	--	--
PCB-098/102	E1668B	--	--	--	--	126 J	--	--
PCB-099	E1668B	--	--	--	--	2380	--	--
PCB-102	E1668B	--	--	--	--	--	--	--
PCB-103	E1668B	--	--	--	--	60	--	--
PCB-104	E1668B	--	--	--	--	5.96 U	--	--
PCB-105	E1668B	--	--	--	--	1570	--	--
PCB-106	E1668B	--	--	--	--	8.17 U	--	--
PCB-107/124	E1668B	--	--	--	--	154	--	--
PCB-109	E1668B	--	--	--	--	437	--	--
PCB-110	E1668B	--	--	--	--	--	--	--
PCB-110/115	E1668B	--	--	--	--	4680	--	--
PCB-111	E1668B	--	--	--	--	6.67 U	--	--
PCB-112	E1668B	--	--	--	--	6.46 U	--	--
PCB-114	E1668B	--	--	--	--	79	--	--
PCB-115	E1668B	--	--	--	--	--	--	--
PCB-117	E1668B	--	--	--	--	--	--	--
PCB-118	E1668B	--	--	--	--	4200	--	--
PCB-120	E1668B	--	--	--	--	24	--	--
PCB-121	E1668B	--	--	--	--	6.75 U	--	--
PCB-122	E1668B	--	--	--	--	42.7	--	--
PCB-123	E1668B	--	--	--	--	69 J	--	--
PCB-126	E1668B	--	--	--	--	64.7	--	--
PCB-127	E1668B	--	--	--	--	55.1 J	--	--
PCB-128/166	E1668B	--	--	--	--	705 J	--	--
PCB-129/138/163	E1668B	--	--	--	--	4750 J	--	--
PCB-130	E1668B	--	--	--	--	273 J	--	--
PCB-131	E1668B	--	--	--	--	56.6 J	--	--
PCB-132	E1668B	--	--	--	--	1330 J	--	--
PCB-133	E1668B	--	--	--	--	80.5 J	--	--
PCB-134	E1668B	--	--	--	--	274 J	--	--
PCB-135/151	E1668B	--	--	--	--	1300 J	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2084	Spring Surface Sediment 2085	Spring Surface Sediment 2086	Spring Surface Sediment 2087	Spring Surface Sediment 2088	Spring Surface Sediment 2089
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	0.44	0.44	0.44	0.5	0.5	0.5
		Location ID	NC012SG_20120510	NC013SG_20120506	NC014SG_20120510	NC015SG_20120506	NC016SG_20120506	NC016SG_20120506
		Sample ID	NC012SG-000015-20120510	NC013SG-000013-20120506	NC014SG-000015-20120510	NC015SG-000015-20120506	NC016SG-000003-20120506	NC016SG-000015-20120506
		Sample Date	5/10/2012	5/6/2012	5/10/2012	5/6/2012	5/6/2012	5/6/2012
		Sample Depth	0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
		Water Column Depth	15.7	25	18.7	10.8	14.9	14.9
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-136	E1668B	--	--	--	--	433 J	--	--
PCB-137	E1668B	--	--	--	--	179 J	--	--
PCB-139/140	E1668B	--	--	--	--	77.2 J	--	--
PCB-141	E1668B	--	--	--	--	674 J	--	--
PCB-142	E1668B	--	--	--	--	9.07 UJ	--	--
PCB-143	E1668B	--	--	--	--	8.25 UJ	--	--
PCB-144	E1668B	--	--	--	--	153 J	--	--
PCB-145	E1668B	--	--	--	--	4.76 UJ	--	--
PCB-146	E1668B	--	--	--	--	802 J	--	--
PCB-147/149	E1668B	--	--	--	--	3970 J	--	--
PCB-148	E1668B	--	--	--	--	6.09 UJ	--	--
PCB-150	E1668B	--	--	--	--	12.2 J	--	--
PCB-152	E1668B	--	--	--	--	4.3 UJ	--	--
PCB-153/168	E1668B	--	--	--	--	4190 J	--	--
PCB-154	E1668B	--	--	--	--	91.2 J	--	--
PCB-155	E1668B	--	--	--	--	8.08 U	--	--
PCB-156/157	E1668B	--	--	--	--	538 J	--	--
PCB-158	E1668B	--	--	--	--	397 J	--	--
PCB-159	E1668B	--	--	--	--	8.62 UJ	--	--
PCB-160	E1668B	--	--	--	--	7.35 UJ	--	--
PCB-161	E1668B	--	--	--	--	6.12 UJ	--	--
PCB-162	E1668B	--	--	--	--	7.96 UJ	--	--
PCB-164	E1668B	--	--	--	--	271 J	--	--
PCB-165	E1668B	--	--	--	--	7.39 UJ	--	--
PCB-167	E1668B	--	--	--	--	207 J	--	--
PCB-169	E1668B	--	--	--	--	8.99 U	--	--
PCB-170	E1668B	--	--	--	--	1540	--	--
PCB-171/173	E1668B	--	--	--	--	584	--	--
PCB-172	E1668B	--	--	--	--	303	--	--
PCB-174	E1668B	--	--	--	--	1810	--	--
PCB-175	E1668B	--	--	--	--	48.3	--	--
PCB-176	E1668B	--	--	--	--	139	--	--
PCB-177	E1668B	--	--	--	--	1200	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2084	Spring Surface Sediment 2085	Spring Surface Sediment 2086	Spring Surface Sediment 2087	Spring Surface Sediment 2088	Spring Surface Sediment 2089
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	0.44	0.44	0.44	0.5	0.5	0.5
		Location ID	NC012SG_20120510	NC013SG_20120506	NC014SG_20120510	NC015SG_20120506	NC016SG_20120506	NC016SG_20120506
		Sample ID	NC012SG-000015-20120510	NC013SG-000013-20120506	NC014SG-000015-20120510	NC015SG-000015-20120506	NC016SG-000003-20120506	NC016SG-000015-20120506
		Sample Date	5/10/2012	5/6/2012	5/10/2012	5/6/2012	5/6/2012	5/6/2012
		Sample Depth	0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
		Water Column Depth	15.7	25	18.7	10.8	14.9	14.9
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-178	E1668B	--	--	--	--	267	--	--
PCB-179	E1668B	--	--	--	--	515	--	--
PCB-180/193	E1668B	--	--	--	--	3930	--	--
PCB-181	E1668B	--	--	--	--	15.7 J	--	--
PCB-182	E1668B	--	--	--	--	7.69 U	--	--
PCB-183	E1668B	--	--	--	--	--	--	--
PCB-183/185	E1668B	--	--	--	--	1320	--	--
PCB-184	E1668B	--	--	--	--	6.43 U	--	--
PCB-185	E1668B	--	--	--	--	--	--	--
PCB-186	E1668B	--	--	--	--	6.31 U	--	--
PCB-187	E1668B	--	--	--	--	2690	--	--
PCB-188	E1668B	--	--	--	--	10.7 U	--	--
PCB-189	E1668B	--	--	--	--	52.1	--	--
PCB-190	E1668B	--	--	--	--	308	--	--
PCB-191	E1668B	--	--	--	--	54.9	--	--
PCB-192	E1668B	--	--	--	--	8.68 U	--	--
PCB-194	E1668B	--	--	--	--	927	--	--
PCB-195	E1668B	--	--	--	--	350	--	--
PCB-196	E1668B	--	--	--	--	392	--	--
PCB-197	E1668B	--	--	--	--	--	--	--
PCB-197/200	E1668B	--	--	--	--	124	--	--
PCB-198/199	E1668B	--	--	--	--	1060	--	--
PCB-200	E1668B	--	--	--	--	--	--	--
PCB-201	E1668B	--	--	--	--	136	--	--
PCB-202	E1668B	--	--	--	--	305	--	--
PCB-203	E1668B	--	--	--	--	523	--	--
PCB-204	E1668B	--	--	--	--	7.1 U	--	--
PCB-205	E1668B	--	--	--	--	40.2 J	--	--
PCB-206	E1668B	--	--	--	--	835	--	--
PCB-207	E1668B	--	--	--	--	77.9	--	--
PCB-208	E1668B	--	--	--	--	285	--	--
PCB-209	E1668B	--	--	--	--	667 J	--	--
Total PCB congener (U = 0)	--	--	--	--	--	151667.7 J	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2084	Spring Surface Sediment 2085	Spring Surface Sediment 2086	Spring Surface Sediment 2087	Spring Surface Sediment 2088	Spring Surface Sediment 2089
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.44	0.44	0.44	0.5	0.5	0.5
Location ID		NC012SG_20120510	NC013SG_20120506	NC014SG_20120510	NC015SG_20120506	NC016SG_20120506	NC016SG_20120506
Sample ID		NC012SG-000015-20120510	NC013SG-000013-20120506	NC014SG-000015-20120510	NC015SG-000015-20120506	NC016SG-000003-20120506	NC016SG-000015-20120506
Sample Date		5/10/2012	5/6/2012	5/10/2012	5/6/2012	5/6/2012	5/6/2012
Sample Depth		0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
Water Column Depth		15.7	25	18.7	10.8	14.9	14.9
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total PCB congener (U = 1/2)	--	--	--	--	151857.9 J	--	--
Total PCB congener TEQ 1998 (avian) (U = 0)	--	--	--	--	60.47 J	--	--
Total PCB congener TEQ 1998 (avian) (U = 1/2)	--	--	--	--	60.48 J	--	--
Total PCB congener TEQ 1998 (fish) (U = 0)	--	--	--	--	0.47 J	--	--
Total PCB congener TEQ 1998 (fish) (U = 1/2)	--	--	--	--	0.47 J	--	--
Total PCB congener TEQ 2005 (mammal) (U = 0)	--	--	--	--	6.78 J	--	--
Total PCB congener TEQ 2005 (mammal) (U = 1/2)	--	--	--	--	6.92 J	--	--
Total Petroleum Hydrocarbons (mg/kg)							
Diesel range organics (C10 - C28)	SW8015M	972	1020	840	1090	--	846
Phytane	SW8015M	0.659 J	1.14 J	0.677 J	1.21 J	--	0.625 J
Pristane	SW8015M	0.659 J	0.805 J	0.627 J	0.887 J	--	0.485 J
Total petroleum hydrocarbons (C9-C40)	SW8015M	1960	2120	1750	2340	--	1670
Radionuclides (pci/g)							
Beryllium 7	HASL300	--	--	--	--	1.734	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2090	Spring Surface Sediment 2091	Spring Surface Sediment 2092	Spring Surface Sediment 2093	Spring Surface Sediment 2094	Spring Surface Sediment 2095
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.58	0.58	0.58	0.69	0.69	0.69
Location ID		NC017SG_20120416	NC018SG_20120419	NC019SG_20120416	NC021SG_20120419	NC022SG_20120419	NC023SG_20120419
Sample ID		NC017SG-000009-20120416	NC018SG-000015-20120419	NC019SG-000013-20120416	NC021SG-000015-20120419	NC022SG-000015-20120419	NC023SG-000015-20120419
Sample Date		4/16/2012	4/19/2012	4/16/2012	4/19/2012	4/19/2012	4/19/2012
Sample Depth		0 - 9 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		13	24.4	7.7	17.2	23.7	14.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Conventional Parameters (lb/ft³)							
Density	D7263	35.3	32.5	26.6	36.8	33.9	33.6
Conventional Parameters (mg/kg)							
Ammonia as nitrogen	SM4500NH3H	75	44	86	45	110	48
Cyanide, total	SW9012A	2.7 U	2.8 U	3 U	2.5 U	2.7 U	3.1 U
Nitrate + nitrite as nitrogen	SM4500NO3F	14 U	14 U	16 U	13 U	14 U	15 U
Nitrogen ((No Suggestions))	SM4500NORGC	720 J	3100 J	3800 J	2800 J	4200 J	3200 J
Phosphorus	SM4500PE	1400 J	1500 J	1200 J	1100 J	1400 J	650 J
Sulfide	SW9030B	2900	1100 J	2600	2100 J	2400 J	1700 J
Conventional Parameters (pct)							
Moisture (water) content	D2216	--	--	209.2	--	135.4	--
Moisture, percent	D2216	--	--	67.1	--	67.8	--
Soot carbon	SOOTC	0.699 J	0.165 J	0.299 J	0.24 J	0.244 J	0.22 J
Total organic carbon	SW9060	2.78 J	2.89 J	3.025 J	3.11 J	3.34 J	2.86 J
Total solids	SM2540G	35.8	34.9	31.3	38.1	35.2	31.8
Conventional Parameters (SU)							
pH	SW9045C	7.6	7.7	7.7	8	8	7.7
Conventional Parameters (unitless)							
Liquid limit	D4318	--	--	141	--	131	--
Plastic limit	D4318	--	--	43	--	42	--
Plasticity index	D4318	--	--	98	--	89	--
Specific gravity	D854	--	--	2.63	--	2.58	--
Grain Size (pct)							
Cobbles	D422	0	0	0	0	0	0
Gravel	D422	20.3	0.3	0.1	8	0.2	4.3
Sand	D422	27.5	5.4	6.2	51.6	2	9.8
Fines (silt + clay)	D422	52.2	94.3	93.7	40.4	97.8	85.9
Percent passing 0.375 inch (3/8 inch sieve)	D422	83	100	100	97	100	97
Percent passing 0.5 inch (1/2 inch sieve)	D422	85	--	--	100	--	97
Percent passing 0.75 inch (3/4 inch sieve)	D422	92	--	--	--	--	100
Percent passing 1 inch (1 inch sieve)	D422	100	--	--	--	--	--
Percent passing 75 micron sieve (#200)	D422	52	94	94	40	98	86
Percent passing 150 micron sieve (#100)	D422	53	95	95	41	98	87

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2090	Spring Surface Sediment 2091	Spring Surface Sediment 2092	Spring Surface Sediment 2093	Spring Surface Sediment 2094	Spring Surface Sediment 2095
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.58	0.58	0.58	0.69	0.69	0.69
Location ID		NC017SG_20120416	NC018SG_20120419	NC019SG_20120416	NC021SG_20120419	NC022SG_20120419	NC023SG_20120419
Sample ID		NC017SG-000009-20120416	NC018SG-000015-20120419	NC019SG-000013-20120416	NC021SG-000015-20120419	NC022SG-000015-20120419	NC023SG-000015-20120419
Sample Date		4/16/2012	4/19/2012	4/16/2012	4/19/2012	4/19/2012	4/19/2012
Sample Depth		0 - 9 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		13	24.4	7.7	17.2	23.7	14.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Percent passing 250 micron sieve (#60)	D422	55	96	96	43	99	87
Percent passing 425 micron sieve (#40)	D422	59	97	97	46	99	88
Percent passing 850 micron sieve (#20)	D422	66	99	99	55	99	90
Percent passing 2000 micron sieve (#10)	D422	72	99	100	77	100	92
Percent passing 4750 micron sieve (#4)	D422	80	100	100	92	100	96
Metals (mg/kg)							
Aluminum	SW6020A	13200	16600	16100	13000	17200	15400
Antimony	SW6020A	0.325 J	0.343 J	0.343 J	0.302 J	0.371 J	0.38 J
Arsenic	SW6020A	12.5	11.3	13.2	9.55	11.8	13
Barium	SW6020A	73.2	146	75.1	64.4	82.1	79.9
Beryllium	SW6020A	1.27	0.971	0.982	0.881	1.08	0.941
Cadmium	SW6020A	2.79	1.99	2.18	1.69	2.73	3.85
Calcium	SW6020A	5630 J	6970 J	6680 J	9460 J	9880 J	6540 J
Chromium	SW6020A	69.6 J	80.8 J	82.1 J	68.8 J	93.9 J	92.1 J
Cobalt	SW6020A	11.3 J	11.6 J	12.4 J	9.81 J	12.6 J	11.6 J
Copper	SW6020A	164	167	173	141	210	224
Iron	SW6020A	29900	36200	35000	31700	35300	34900
Lead	SW6020A	238 J	202 J	161 J	114 J	183 J	157 J
Magnesium	SW6020A	8460	9920	10000	9460	10400	9530
Manganese	SW6020A	358	426	439	395	440	415
Mercury	E1631M	0.729	1.12	0.956	0.847	1.32	0.99
Nickel	SW6020A	43.4	38.1	41.6	34.7	42.9	47
Potassium	SW6020A	3090 J	4020 J	3820 J	3160 J	4100 J	3710 J
Selenium	SW6020A	2.61	1.8	1.94	1.32	2.13	1.92
Silver	SW6020A	3.35 J	4.71 J	3.9 J	3.58 J	5.75 J	4.36 J
Sodium	SW6020A	14400	15600	17700	14200	15300	16400
Thallium	SW6020A	0.816 J	0.241 J	0.311 J	0.206 J	0.292 J	0.256 J
Tin	SW6020A	14.8	17.8	15	12.5	19.3	20.4
Vanadium	SW6020A	36.7	40	41.5	33.2	44.4	40.1
Zinc	SW6020A	435	375	397	328	449	434
Organometallic Compounds (µg/kg)							
Methyl mercury	E1630M	--	--	1.66	--	0.329	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2090	Spring Surface Sediment 2091	Spring Surface Sediment 2092	Spring Surface Sediment 2093	Spring Surface Sediment 2094	Spring Surface Sediment 2095
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.58	0.58	0.58	0.69	0.69	0.69
Location ID		NC017SG_20120416	NC018SG_20120419	NC019SG_20120416	NC021SG_20120419	NC022SG_20120419	NC023SG_20120419
Sample ID		NC017SG-000009-20120416	NC018SG-000015-20120419	NC019SG-000013-20120416	NC021SG-000015-20120419	NC022SG-000015-20120419	NC023SG-000015-20120419
Sample Date		4/16/2012	4/19/2012	4/16/2012	4/19/2012	4/19/2012	4/19/2012
Sample Depth		0 - 9 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		13	24.4	7.7	17.2	23.7	14.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Volatile Organics (µg/kg)							
1,1,1-Trichloroethane	SW8260B	2.8 U	2.8 U	3.2 U	2.5 U	2.8 U	3 U
1,1,2,2-Tetrachloroethane	SW8260B	2.8 U	2.8 U	3.2 U	2.5 U	2.8 U	3 U
1,1,2-Trichloroethane	SW8260B	4.2 U	4.1 U	4.8 U	3.8 U	4.2 U	4.5 U
1,1,2-Trichlorotrifluoroethane	SW8260B	56 U	55 U	64 U	50 U	56 U	60 U
1,1-Dichloroethane	SW8260B	4.2 U	4.1 U	4.8 U	3.8 U	4.2 U	4.5 U
1,1-Dichloroethene	SW8260B	2.8 U	2.8 U	3.2 U	2.5 U	2.8 U	3 U
1,2,3-Trichlorobenzene	SW8260B	14 UJ	14 U	16 U	13 U	14 U	15 U
1,2,4-Trichlorobenzene	SW8260B	14 UJ	14 U	16 U	13 U	14 U	15 U
1,2-Dibromo-3-chloropropane	SW8260B	14 UJ	14 U	16 U	13 U	14 U	15 U
1,2-Dichlorobenzene	SW8260B	14 UJ	14 U	16 U	13 U	14 U	15 U
1,2-Dichloroethane	SW8260B	2.8 U	2.8 U	3.2 U	2.5 U	2.8 U	3 U
1,2-Dichloroethene, cis-	SW8260B	2.8 U	2.8 U	3.2 U	2.5 U	2.8 U	3 U
1,2-Dichloroethene, trans-	SW8260B	4.2 U	4.1 U	4.8 U	3.8 U	4.2 U	4.5 U
1,2-Dichloropropane	SW8260B	9.8 U	9.6 U	11 U	8.8 U	9.7 U	10 U
1,3-Dichlorobenzene	SW8260B	14 UJ	14 U	16 U	13 U	14 U	15 U
1,3-Dichloropropene, cis-	SW8260B	2.8 U	2.8 U	3.2 U	2.5 U	2.8 U	3 U
1,3-Dichloropropene, trans-	SW8260B	2.8 U	2.8 U	3.2 U	2.5 U	2.8 U	3 U
1,4-Dichlorobenzene	SW8260B	14 UJ	14 U	16 U	13 U	14 U	15 U
2-Butanone (MEK)	SW8260B	43	59	78	44	39	55
2-Hexanone (methyl butyl ketone)	SW8260B	28 U	28 U	32 U	25 U	28 U	30 U
Acetone	SW8260B	240 J	320 J	440 J	240 J	220 J	290 J
Benzene	SW8260B	2.8 U	2.8 U	3.2 U	2.5 U	2.8 U	3 U
Bromochloromethane	SW8260B	14 U	14 U	16 U	13 U	14 U	15 U
Bromodichloromethane	SW8260B	2.8 U	2.8 U	3.2 U	2.5 U	2.8 U	3 U
Bromoform (tribromomethane)	SW8260B	11 U	11 U	13 U	10 U	11 U	12 U
Bromomethane (methyl bromide)	SW8260B	5.6 U	5.5 U	6.4 U	5 U	5.6 U	6 U
Carbon disulfide	SW8260B	2.8 J	10 J	9.1 J	7.7 J	24 J	7.3 J
Carbon tetrachloride (tetrachloromethane)	SW8260B	2.8 U	2.8 U	3.2 U	2.5 U	2.8 U	3 U
Chlorobenzene	SW8260B	2.8 U	2.8 U	3.2 U	2.5 U	2.8 U	3 U
Chloroethane	SW8260B	5.6 U	5.5 U	6.4 U	5 U	5.6 U	6 U
Chloroform	SW8260B	4.2 U	4.1 U	4.8 U	3.8 U	4.2 U	4.5 U

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2090	Spring Surface Sediment 2091	Spring Surface Sediment 2092	Spring Surface Sediment 2093	Spring Surface Sediment 2094	Spring Surface Sediment 2095
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.58	0.58	0.58	0.69	0.69	0.69
Location ID		NC017SG_20120416	NC018SG_20120419	NC019SG_20120416	NC021SG_20120419	NC022SG_20120419	NC023SG_20120419
Sample ID		NC017SG-000009-20120416	NC018SG-000015-20120419	NC019SG-000013-20120416	NC021SG-000015-20120419	NC022SG-000015-20120419	NC023SG-000015-20120419
Sample Date		4/16/2012	4/19/2012	4/16/2012	4/19/2012	4/19/2012	4/19/2012
Sample Depth		0 - 9 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		13	24.4	7.7	17.2	23.7	14.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Chloromethane	SW8260B	14 U	14 U	16 U	13 U	14 U	15 U
Cyclohexane	SW8260B	-- R	55 U	64 U	50 U	56 U	60 U
Dibromochloromethane	SW8260B	2.8 U	2.8 U	3.2 U	2.5 U	2.8 U	3 U
Dichlorodifluoromethane	SW8260B	28 UJ	28 UJ	32 UJ	25 UJ	28 UJ	30 UJ
Dichloromethane (methylene chloride)	SW8260B	28 U	28 U	32 U	25 U	28 U	30 U
Ethylbenzene	SW8260B	2.8 U	2.8 U	3.2 U	2.5 U	2.8 U	3 U
Ethylene dibromide (1,2-Dibromoethane)	SW8260B	11 U	11 U	13 U	10 U	11 U	12 U
Isopropylbenzene (cumene)	SW8260B	2.8 U	2.8 U	3.2 U	2.5 U	2.8 U	3 U
m,p-Xylene	SW8260B	5.6 U	5.5 U	6.4 U	5 U	5.6 U	6 U
Methyl acetate	SW8260B	56 U	55 U	64 U	50 U	56 U	60 U
Methyl isobutyl ketone (4-methyl-2-pentanone [MIBK])	SW8260B	28 U	28 U	32 U	25 U	28 U	30 U
Methyl tert-butyl ether (MTBE)	SW8260B	5.6 U	5.5 U	6.4 U	5 U	5.6 U	6 U
Methylcyclohexane	SW8260B	11 U	11 U	13 U	10 U	11 U	12 U
o-Xylene	SW8260B	5.6 U	5.5 U	6.4 U	5 U	5.6 U	6 U
Styrene	SW8260B	5.6 UJ	5.5 U	6.4 U	5 U	5.6 U	6 U
Tetrachloroethene (PCE)	SW8260B	2.8 U	2.8 U	3.2 U	2.5 U	2.8 U	3 U
Toluene	SW8260B	4.2 U	4.1 U	4.8 U	3.8 U	4.2 U	4.5 U
Total BTEX (U = 0)	--	5.6 U	5.5 U	6.4 U	5 U	5.6 U	6 U
Total BTEX (U = 1/2)	--	5.6 U	5.5 U	6.4 U	5 U	5.6 U	6 U
Total xylene (U = 0)	--	5.6 U	5.5 U	6.4 U	5 U	5.6 U	6 U
Total xylene (U = 1/2)	--	5.6 U	5.5 U	6.4 U	5 U	5.6 U	6 U
Trichloroethene (TCE)	SW8260B	2.8 U	2.8 U	3.2 U	2.5 U	2.8 U	3 U
Trichlorofluoromethane (fluorotrichloromethane)	SW8260B	14 U	14 U	16 U	13 U	14 U	15 U
Vinyl acetate	SW8260B	28 UJ	28 U	32 U	25 U	28 U	30 U
Vinyl chloride	SW8260B	5.6 U	5.5 U	6.4 U	5 U	5.6 U	6 U
Semivolatile Organics (µg/kg)							
1,2,4,5-Tetrachlorobenzene	SW8270C	430 U	1800 U	2100 U	1800 U	1900 U	2000 U
1,4-Dioxane	SW8270C	860 U	3600 U	4200 U	3600 U	3900 U	4100 U
2,3,4,6-Tetrachlorophenol	SW8270C	430 UJ	1800 U	2100 UJ	1800 UJ	1900 UJ	2000 UJ
2,4,5-Trichlorophenol	SW8270C	430 U	1800 U	2100 U	1800 U	1900 U	2000 U
2,4,6-Trichlorophenol	SW8270C	430 U	1800 U	2100 U	1800 U	1900 U	2000 U

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2090	Spring Surface Sediment 2091	Spring Surface Sediment 2092	Spring Surface Sediment 2093	Spring Surface Sediment 2094	Spring Surface Sediment 2095
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.58	0.58	0.58	0.69	0.69	0.69
Location ID		NC017SG_20120416	NC018SG_20120419	NC019SG_20120416	NC021SG_20120419	NC022SG_20120419	NC023SG_20120419
Sample ID		NC017SG-000009-20120416	NC018SG-000015-20120419	NC019SG-000013-20120416	NC021SG-000015-20120419	NC022SG-000015-20120419	NC023SG-000015-20120419
Sample Date		4/16/2012	4/19/2012	4/16/2012	4/19/2012	4/19/2012	4/19/2012
Sample Depth		0 - 9 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		13	24.4	7.7	17.2	23.7	14.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
2,4-Dichlorophenol	SW8270C	87 U	370 U	430 U	360 U	390 U	410 U
2,4-Dimethylphenol	SW8270C	430 U	1800 U	2100 U	1800 U	1900 U	2000 U
2,4-Dinitrophenol	SW8270C	2200 U	9300 U	11000 U	9200 U	9800 U	10000 U
2,4-Dinitrotoluene	SW8270C	430 U	1800 U	2100 U	1800 U	1900 U	2000 U
2,6-Dinitrotoluene	SW8270C	430 UJ	1800 U	2100 UJ	1800 UJ	1900 UJ	2000 UJ
2-Chloronaphthalene	SW8270C	87 U	370 U	430 U	360 U	390 U	410 U
2-Chlorophenol	SW8270C	430 U	1800 U	2100 U	1800 U	1900 U	2000 U
2-Methylnaphthalene	SW8270C	2200 J	220 J	180 J	130 J	190 J	6800
2-Methylphenol (o-Cresol)	SW8270C	430 U	1800 U	2100 U	1800 U	1900 U	2000 U
2-Nitroaniline	SW8270C	2200 U	9300 U	11000 U	9200 U	9800 U	10000 U
2-Nitrophenol	SW8270C	430 U	1800 U	2100 U	1800 U	1900 U	2000 U
3,3'-Dichlorobenzidine	SW8270C	430 UJ	1800 U	2100 U	1800 U	1900 U	2000 U
3-methylphenol and 4-methylphenol (m&p-cresol)	SW8270C	50 J	1800 U	2100 U	1800 U	1900 U	740 J
3-Nitroaniline	SW8270C	2200 U	9300 U	11000 U	9200 U	9800 U	10000 U
4-Bromophenyl-phenyl ether	SW8270C	430 U	1800 U	2100 U	1800 U	1900 U	2000 U
4-Chloro-3-methylphenol	SW8270C	430 U	1800 U	2100 U	1800 U	1900 U	2000 U
4-Chloroaniline	SW8270C	430 U	1800 U	2100 U	1800 U	160 J	2000 U
4-Chlorophenyl phenyl ether	SW8270C	430 U	1800 U	2100 U	1800 U	1900 U	2000 U
4-Nitroaniline	SW8270C	2200 UJ	9300 U	11000 UJ	9200 UJ	9800 UJ	10000 UJ
4-Nitrophenol	SW8270C	2200 UJ	9300 U	11000 UJ	9200 UJ	9800 UJ	10000 UJ
Acenaphthene	SW8270C	2000 J	220 J	330 J	210 J	170 J	34000
Acenaphthylene	SW8270C	270	270 J	370 J	250 J	370 J	410 U
Acetophenone	SW8270C	120 J	1800 U	2100 U	1800 U	1900 U	2000 U
Anthracene	SW8270C	2600 J	540	760	490	580	44000
Atrazine	SW8270C	430 U	1800 U	2100 U	1800 U	1900 U	2000 U
Benzaldehyde	SW8270C	430 UJ	1200 J	1300 J	1100 J	1200 J	1300 J
Benzo(a)anthracene	SW8270C	2000 J	1700	1800 J	1100	1400	120000
Benzo(a)pyrene	SW8270C	1300 J	1800	1700 J	1000	1400	87000
Benzo(b)fluoranthene	SW8270C	1400 J	2600	3000 J	2000	2300	100000
Benzo(g,h,i)perylene	SW8270C	650 J	790	1000 J	730	1000	53000 J
Benzo(k)fluoranthene	SW8270C	550 J	810	580 J	290 J	520	57000 J
Biphenyl (1,1'-Biphenyl)	SW8270C	840 J	1800 U	2100 U	1800 U	1900 U	2400

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2090	Spring Surface Sediment 2091	Spring Surface Sediment 2092	Spring Surface Sediment 2093	Spring Surface Sediment 2094	Spring Surface Sediment 2095
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	0.58	0.58	0.58	0.69	0.69	0.69
		Location ID	NC017SG_20120416	NC018SG_20120419	NC019SG_20120416	NC021SG_20120419	NC022SG_20120419	NC023SG_20120419
		Sample ID	NC017SG-000009-20120416	NC018SG-000015-20120419	NC019SG-000013-20120416	NC021SG-000015-20120419	NC022SG-000015-20120419	NC023SG-000015-20120419
		Sample Date	4/16/2012	4/19/2012	4/16/2012	4/19/2012	4/19/2012	4/19/2012
		Sample Depth	0 - 9 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	13	24.4	7.7	17.2	23.7	14.7
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
bis(2-Chloroethoxy)methane	SW8270C		430 U	1800 U	2100 U	1800 U	1900 U	2000 U
bis(2-Chloroethyl)ether	SW8270C		87 U	370 U	430 U	360 U	390 U	410 U
bis(2-Chloroisopropyl)ether	SW8270C		87 U	370 U	430 U	360 U	390 U	410 U
Bis(2-ethylhexyl)phthalate	SW8270C		4100 J	5000	5500 J	5700	7000	10000 J
Butylbenzyl phthalate	SW8270C		430 U	1800 U	2100 U	1800 U	1900 U	2000 U
Caprolactam	SW8270C		2200 UJ	9300 U	11000 UJ	9200 UJ	9800 UJ	10000 UJ
Carbazole	SW8270C		500	100 J	130 J	77 J	150 J	44000
Chrysene	SW8270C		2100	1800	1800	1100	1400	120000
Dibenzo(a,h)anthracene	SW8270C		400 J	1100	1300 J	980	1100	22000 J
Dibenzofuran	SW8270C		2700 J	1800 U	2100 U	1800 U	1900 U	22000
Diethyl phthalate	SW8270C		430 U	1800 U	2100 U	1800 U	450 J	360 J
Dimethyl phthalate	SW8270C		430 U	1800 U	2100 U	1800 U	1900 U	2000 U
Di-n-butyl phthalate	SW8270C		120 J	1800 U	2100 U	1800 U	1900 U	2000 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)	SW8270C		2200 UJ	9300 UJ	11000 UJ	9200 UJ	9800 UJ	10000 UJ
Di-n-octyl phthalate	SW8270C		66 J	1800 U	2100 U	1800 U	1900 U	2000 U
Fluoranthene	SW8270C		6300 J	2200	3700	2200	2100	280000
Fluorene	SW8270C		1800 J	220 J	200 J	190 J	190 J	27000
Hexachlorobenzene	SW8270C		87 U	370 U	430 U	360 U	390 U	410 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270C		87 U	370 U	430 U	360 U	390 U	410 U
Hexachlorocyclopentadiene	SW8270C		-- R	1800 UJ	2100 UJ	1800 UJ	1900 UJ	2000 UJ
Hexachloroethane	SW8270C		430 U	1800 U	2100 U	1800 U	1900 U	2000 U
Indeno(1,2,3-c,d)pyrene	SW8270C		660 J	1400	1500 J	1100	1200	46000 J
Isophorone	SW8270C		430 U	1800 U	2100 U	1800 U	1900 U	2000 U
Naphthalene	SW8270C		42000 J	670	650	280 J	320 J	21000
Nitrobenzene	SW8270C		860 U	3600 U	4200 U	3600 U	3900 U	4100 U
N-Nitrosodi-N-propylamine	SW8270C		87 U	370 U	430 U	360 U	390 U	410 U
N-Nitrosodiphenylamine	SW8270C		430 U	1800 U	2100 U	1800 U	1900 U	2000 U
Pentachlorophenol	SW8270C		430 U	1800 U	2100 U	1800 U	1900 U	2000 U
Phenanthrene	SW8270C		3600 J	980	970	640	970	260000
Phenol	SW8270C		19 J	370 U	350 J	360 U	390 U	480
Pyrene	SW8270C		4100 J	3800	2800 J	1900	2200	280000

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2090	Spring Surface Sediment 2091	Spring Surface Sediment 2092	Spring Surface Sediment 2093	Spring Surface Sediment 2094	Spring Surface Sediment 2095
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.58	0.58	0.58	0.69	0.69	0.69
Location ID		NC017SG_20120416	NC018SG_20120419	NC019SG_20120416	NC021SG_20120419	NC022SG_20120419	NC023SG_20120419
Sample ID		NC017SG-000009-20120416	NC018SG-000015-20120419	NC019SG-000013-20120416	NC021SG-000015-20120419	NC022SG-000015-20120419	NC023SG-000015-20120419
Sample Date		4/16/2012	4/19/2012	4/16/2012	4/19/2012	4/19/2012	4/19/2012
Sample Depth		0 - 9 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		13	24.4	7.7	17.2	23.7	14.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total cresol (o,m,p) (U = 0)	--	50 J	1800 U	2100 U	1800 U	1900 U	740 J
Total cresol (o,m,p) (U = 1/2)	--	265 J	1800 U	2100 U	1800 U	1900 U	1740 J
Polycyclic Aromatic Hydrocarbons (µg/kg)							
1,6,7-Trimethylnaphthalene	SW8270CMSIM	58	25.9	39.5	26	23	146
1-Methyldibenzothiophene	SW8270CMSIM	28.1	13.7	17.2	13.7	17.5	46.8
1-Methylnaphthalene	SW8270CMSIM	166	88	114	62	102	164
1-Methylphenanthrene	SW8270CMSIM	221	133	135	105	131	205
2,6-Dimethylnaphthalene	SW8270CMSIM	213	131	160	112	148	285
2-Methylantracene	SW8270CMSIM	240	128	155	102	131	199
2-Methyldibenzothiophene and 3-methyldibenzothiophene	SW8270CMSIM	71.3	46.3	49.1	6.66 U	51.4	91.8
2-Methylnaphthalene	SW8270CMSIM	382 J	205	223	148	230	373
2-Methylphenanthrene	SW8270CMSIM	238	127	156	101	127	207
4-Methyldibenzothiophene	SW8270CMSIM	78.9	45.9	52.1	44.4	52.3	117
4-Methylphenanthrene and 9-methylphenanthrene	SW8270CMSIM	150	88.8	93	71.8	89.5	207
Acenaphthene	SW8270CMSIM	440 J	135	328	140	120	223
Acenaphthylene	SW8270CMSIM	224 J	196	214	137	226	206
Anthracene	SW8270CMSIM	1070	480	940	398	466	1160
Benzo(a)anthracene	SW8270CMSIM	1940	925	1360	809	1020	1730
Benzo(a)pyrene	SW8270CMSIM	1620	1130	1380	903	1300	1580
Benzo(b)fluoranthene	SW8270CMSIM	1560	1080	1400	974	1250	1610
Benzo(e)pyrene	SW8270CMSIM	1220	877	1100	723	1010	1240
Benzo(g,h,i)perylene	SW8270CMSIM	842	649	788	517	782	892
Benzo(j,k)fluoranthene	SW8270CMSIM	1140	850	978	625	946	1260
Benzonaphthothiophene	SW8270CMSIM	662	354	470	272	398	578
Benzothiophene	SW8270CMSIM	72.4	19.1	34.1	12.9	17	25.3
Carbazole	SW8270CMSIM	160	68.4	154	49.5	67.7	214
Chrysene	SW8270CMSIM	1940	1110	1580	908	1080	1760
Decalin, cis and trans-	SW8270CMSIM	27.1	10.4	16.9	16.6	15.6	42.9
Dibenzo(a,h)anthracene and dibenzo(a,c)anthracene	SW8270CMSIM	312 J	214	270	172	251	312
Dibenzothiophene	SW8270CMSIM	184	91.6	128	77.1	89.7	154

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2090	Spring Surface Sediment 2091	Spring Surface Sediment 2092	Spring Surface Sediment 2093	Spring Surface Sediment 2094	Spring Surface Sediment 2095
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.58	0.58	0.58	0.69	0.69	0.69
Location ID		NC017SG_20120416	NC018SG_20120419	NC019SG_20120416	NC021SG_20120419	NC022SG_20120419	NC023SG_20120419
Sample ID		NC017SG-000009-20120416	NC018SG-000015-20120419	NC019SG-000013-20120416	NC021SG-000015-20120419	NC022SG-000015-20120419	NC023SG-000015-20120419
Sample Date		4/16/2012	4/19/2012	4/16/2012	4/19/2012	4/19/2012	4/19/2012
Sample Depth		0 - 9 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		13	24.4	7.7	17.2	23.7	14.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Fluoranthene	SW8270CMSIM	148 J	1940	3370	1860	1820	154
Fluorene	SW8270CMSIM	382 J	141	222	125	124	249
Indeno(1,2,3-c,d)pyrene	SW8270CMSIM	871	632	791	504	709	897
Naphthalene	SW8270CMSIM	2060	511	770	269	389	760
Perylene	SW8270CMSIM	474	349	444	293	387	469
Phenanthrene	SW8270CMSIM	1820	750	971	604	735	1310
Pyrene	SW8270CMSIM	5200	2820	3420	2040	2890	4360
Retene	SW8270CMSIM	296	160	197	188	14 U	15.3 U
Total benzofluoranthenes (U = 0)	--	2700	1930	2378	1599	2196	2870
Total benzofluoranthenes (U = 1/2)	--	2700	1930	2378	1599	2196	2870
Total cPAH TEQ (USEPA 1993) (U = 0)	--	2382.44 J	1617.31	2016.46	1310.858	1859.44	2330.06
Total cPAH TEQ (USEPA 1993) (U = 1/2)	--	2382.44 J	1617.31	2016.46	1310.858	1859.44	2330.06
Total HPAH (9 of 16) (U = 0)	--	15573 J	11350	15337	9312	12048	14555
Total HPAH (9 of 16) (U = 1/2)	--	15573 J	11350	15337	9312	12048	14555
Total LPAH (7 of 16) (U = 0)	--	6378 J	2418	3668	1821	2290	4281
Total LPAH (7 of 16) (U = 1/2)	--	6378 J	2418	3668	1821	2290	4281
Total PAH (16) (U = 0)	--	21951 J	13768	19005	11133	14338	18836
Total PAH (16) (U = 1/2)	--	21951 J	13768	19005	11133	14338	18836
Alkylated Polycyclic Aromatic Hydrocarbons (µg/kg)							
C1-Benzo(a)anthracenes/chrysenes	SW8270CMSIM	1270	873	978	679	1030	1240
C1-Benzo(b)thiophenes	SW8270CMSIM	56.9	23	27.6	17.8	27.2	29.1
C1-Decalins	SW8270CMSIM	141	40	87.4	71.7	94.6	285
C1-Dibenzothiophenes	SW8270CMSIM	204	123	133	111	138	291
C1-Fluoranthenes/Pyrenes	SW8270CMSIM	2890	1910	2240	1480	2160	2890
C1-Fluorenes	SW8270CMSIM	216	101	123	83.6	96.5	736
C1-Naphthalenes	SW8270CMSIM	327	173	197	124	192	319
C1-Phenanthrenes/Anthracenes	SW8270CMSIM	1230	646	734	539	688	1210
C2-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	877	599	677	494	763	916
C2-Benzo(b)thiophenes	SW8270CMSIM	31.6	20.6	26	18	27.1	38.2
C2-Decalins	SW8270CMSIM	360	175	250	230	303	706
C2-Dibenzothiophenes	SW8270CMSIM	393	190	248	214	253	728
C2-Fluorenes	SW8270CMSIM	419	179	238	206	214	1850
C2-Naphthalenes	SW8270CMSIM	314	189	242	156	207	465

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2090	Spring Surface Sediment 2091	Spring Surface Sediment 2092	Spring Surface Sediment 2093	Spring Surface Sediment 2094	Spring Surface Sediment 2095
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.58	0.58	0.58	0.69	0.69	0.69
Location ID		NC017SG_20120416	NC018SG_20120419	NC019SG_20120416	NC021SG_20120419	NC022SG_20120419	NC023SG_20120419
Sample ID		NC017SG-000009-20120416	NC018SG-000015-20120419	NC019SG-000013-20120416	NC021SG-000015-20120419	NC022SG-000015-20120419	NC023SG-000015-20120419
Sample Date		4/16/2012	4/19/2012	4/16/2012	4/19/2012	4/19/2012	4/19/2012
Sample Depth		0 - 9 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		13	24.4	7.7	17.2	23.7	14.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
C2-Phenanthrenes/Anthracenes	SW8270CMSIM	1320	635	820	651	772	1940
C3-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	668	420	513	369	578	682
C3-Benzo(b)thiophenes	SW8270CMSIM	50	32.8	42.1	28.3	43.2	115
C3-Decalins	SW8270CMSIM	329	191	243	206	331	562
C3-Dibenzothiophenes	SW8270CMSIM	451	234	303	272	382	826
C3-Fluorenes	SW8270CMSIM	646	259	399	333	389	1090
C3-Naphthalenes	SW8270CMSIM	309	151	213	172	173	923
C3-Phenanthrenes/Anthracenes	SW8270CMSIM	966	444	623	508	672	1540
C4-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	339	205	257	191	282	310
C4-Benzo(b)thiophenes	SW8270CMSIM	58.5	33	37.2	32	50.7	135
C4-Decalins	SW8270CMSIM	531	294	420	349	508	955
C4-Dibenzothiophenes	SW8270CMSIM	271	176	186	166	262	438
C4-Naphthalenes	SW8270CMSIM	338	136	228	203	200	1080
C4-Phenanthrenes/Anthracenes	SW8270CMSIM	520	314	337	305	451	740
n-Alkanes and Isoprenoids (µg/kg)							
2,6,10-Trimethyldodecane	SW8015M	272 J	85 J	166 J	205 J	154 J	345 J
2,6,10-Trimethyltridecane	SW8015M	1340 J	701 J	1080 J	988 J	1210 J	1990 J
n-Decane (C10)	SW8015M	908 U	480 U	1030 U	444 U	936 U	1020 U
n-Docosane (C22)	SW8015M	208 J	124 J	171 J	132 J	936 U	267 J
n-Dodecane (C12)	SW8015M	209 J	480 U	1030 U	111 J	936 U	1020 U
n-Dotriacontane (C32)	SW8015M	582 J	500	675 J	367 J	672 J	598 J
n-Eicosane (C20)	SW8015M	447 J	480 U	306 J	278 J	936 U	630 J
n-Heneicosane (C21)	SW8015M	487 J	325 J	501 J	428 J	539 J	683 J
n-Hentriacontane (C31)	SW8015M	2980	2440	3320	2570	3730	3720
n-Heptacosane (C27)	SW8015M	1670	1320	1700	1450	2000	1700
n-Heptadecane (C17)	SW8015M	733 J	416 J	589 J	501	625 J	828 J
n-Heptatriacontane (C37)	SW8015M	415 J	256 J	489 J	363 J	618 J	440 J
n-Hexacosane (C26)	SW8015M	644 J	354 J	638 J	627	645 J	763 J
n-Hexadecane (C16)	SW8015M	288 J	135 J	237 J	230 J	182 J	611 J
n-Hexatriacontane (C36)	SW8015M	1170	927	1300	908	1310	1070
n-Nonacosane (C29)	SW8015M	1420	962	1770	1260	1340	1430
n-Nonadecane (C19)	SW8015M	392 J	198 J	334 J	242 J	254 J	1880
n-Nonane (C9)	SW8015M	908 U	480 U	1030 U	444 U	936 U	1020 U

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2090	Spring Surface Sediment 2091	Spring Surface Sediment 2092	Spring Surface Sediment 2093	Spring Surface Sediment 2094	Spring Surface Sediment 2095
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.58	0.58	0.58	0.69	0.69	0.69
Location ID		NC017SG_20120416	NC018SG_20120419	NC019SG_20120416	NC021SG_20120419	NC022SG_20120419	NC023SG_20120419
Sample ID		NC017SG-000009-20120416	NC018SG-000015-20120419	NC019SG-000013-20120416	NC021SG-000015-20120419	NC022SG-000015-20120419	NC023SG-000015-20120419
Sample Date		4/16/2012	4/19/2012	4/16/2012	4/19/2012	4/19/2012	4/19/2012
Sample Depth		0 - 9 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		13	24.4	7.7	17.2	23.7	14.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
n-Nonatriacontane (C39)	SW8015M	1320	334 J	791 J	448	460 J	753 J
n-Octacosane (C28)	SW8015M	366 J	222 J	429 J	264 J	300 J	373 J
n-Octadecane (C18)	SW8015M	2730 J	1010 J	1560 J	958 J	1160 J	3870 J
n-Octatriacontane (C38)	SW8015M	916	445 J	788 J	533	761 J	622 J
Norpristane	SW8015M	993	358 J	721 J	679	675 J	1020
n-Pentacosane (C25)	SW8015M	4550 J	2450 J	4270 J	2550 J	3580 J	4190 J
n-Pentadecane (C15)	SW8015M	307 J	144 J	180 J	223 J	250 J	918 J
n-Pentatriacontane (C35)	SW8015M	668 J	458 J	755 J	576	721 J	658 J
n-Tetracontane (C40)	SW8015M	489 J	299 J	548 J	386 J	486 J	460 J
n-Tetracosane (C24)	SW8015M	399 J	179 J	350 J	205 J	261 J	318 J
n-Tetradecane (C14)	SW8015M	265 J	97 J	160 J	136 J	161 J	464 J
n-Tetratriacontane (C34)	SW8015M	668 J	420 J	690 J	465	630 J	535 J
n-Triacontane (C30)	SW8015M	725 J	481	789 J	561	761 J	753 J
n-Tricosane (C23)	SW8015M	170 J	412 J	666 J	451	716 J	808 J
n-Tridecane (C13)	SW8015M	270 J	426 J	588 J	176 J	936 U	528 J
n-Tritriacontane (C33)	SW8015M	3300	1130	3460	2630	1460	3230
n-Undecane (C11)	SW8015M	908 U	480 U	1030 U	169 J	936 U	376 J
Pesticides (µg/kg)							
2,4'-DDD (o,p'-DDD)	SW8081A	0.7 J	1.4	1.1 J	1.4 J	2.1 J	2.8 J
2,4'-DDE (o,p'-DDE)	SW8081A	1.4 J	0.97 J	1.6 J	2	1.9 J	4.8
2,4'-DDT (o,p'-DDT)	SW8081A	0.22 U	0.23 U	0.27 U	0.22 U	0.24 U	0.26 U
4,4'-DDD (p,p'-DDD)	SW8081A	3	3.1	3.9	3.5 J	4.7 J	7.3 J
4,4'-DDE (p,p'-DDE)	SW8081A	1.2 J	4.2	6.7	5.9	8.8	9.2 J
4,4'-DDT (p,p'-DDT)	SW8081A	0.94 J	1.2 J	2.3 J	1.9 J	2 J	3.5 J
Aldrin	SW8081A	-- R	0.23 U	0.51 J	0.34 J	0.24 U	0.46 J
alpha-Hexachlorocyclohexane (BHC)	SW8081A	0.22 UJ	0.23 U	0.27 U	0.089 J	0.24 U	0.054 J
Chlordane, alpha- (cis-Chlordane)	SW8081A	1.3	1.3	1.7	1.7	2 J	3.6
Chlordane, beta- (trans-Chlordane)	SW8081A	-- R	0.23 U	0.27 U	0.22 U	0.24 U	0.26 U
delta-Hexachlorocyclohexane (BHC)	SW8081A	0.05 J	0.077 J	0.058 J	0.089 J	0.084 J	0.83 J
Dieldrin	SW8081A	0.22 U	0.4	0.61	0.61 J	0.71	0.26 U
Endosulfan sulfate	SW8081A	0.27 UJ	0.23 U	0.27 U	0.22 UJ	0.24 U	0.26 U
Endosulfan-alpha (I)	SW8081A	0.22 U	0.23 U	0.27 U	0.22 U	0.24 U	1.5 J
Endosulfan-beta (II)	SW8081A	0.22 U	0.23 U	0.27 U	0.22 U	0.27 J	0.26 U

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2090	Spring Surface Sediment 2091	Spring Surface Sediment 2092	Spring Surface Sediment 2093	Spring Surface Sediment 2094	Spring Surface Sediment 2095
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.58	0.58	0.58	0.69	0.69	0.69
Location ID		NC017SG_20120416	NC018SG_20120419	NC019SG_20120416	NC021SG_20120419	NC022SG_20120419	NC023SG_20120419
Sample ID		NC017SG-000009-20120416	NC018SG-000015-20120419	NC019SG-000013-20120416	NC021SG-000015-20120419	NC022SG-000015-20120419	NC023SG-000015-20120419
Sample Date		4/16/2012	4/19/2012	4/16/2012	4/19/2012	4/19/2012	4/19/2012
Sample Depth		0 - 9 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		13	24.4	7.7	17.2	23.7	14.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Endrin	SW8081A	0.19 J	0.25	0.28 J	0.21 J	0.37 J	0.48 J
Endrin aldehyde	SW8081A	-- R	-- R	-- R	0.051 J	0.15 J	-- R
Endrin ketone	SW8081A	-- R	-- R	-- R	-- R	-- R	-- R
Heptachlor	SW8081A	0.22 U	0.23 U	0.27 U	0.22 U	0.24 U	0.26 U
Heptachlor epoxide	SW8081A	0.22 U	0.39	0.3 J	0.22 U	0.24 U	1.5 J
Hexachlorobenzene	SW8081A	0.17 J	0.093 J	0.43	0.11 J	0.22 J	0.95
Hexachlorocyclohexane, beta- (BHC)	SW8081A	0.22 UJ	0.23 U	0.27 U	0.22 U	0.24 U	0.26 U
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	SW8081A	0.14 J	0.099 J	0.18 J	0.13 J	0.19 J	0.26 U
Methoxychlor	SW8081A	0.85 J	0.61 J	0.78 J	0.57 J	0.83 J	3.6 J
Mirex	SW8081A	0.22 U	0.34	2.4 J	0.22 U	0.24 U	0.28 J
Nonachlor, cis-	SW8081A	0.53	0.38 J	0.77 J	0.47 J	0.68 J	1.9 J
Nonachlor, trans-	SW8081A	0.22 U	0.23 U	0.27 U	0.22 U	0.24 U	0.26 U
Oxychlordane	SW8081A	0.076 J	0.2 J	0.13 J	0.23 J	0.27 J	0.2 J
Sum DDD (U = 0)	--	3.7 J	4.5	5 J	4.9 J	6.8 J	10.1 J
Sum DDD (U = 1/2)	--	3.7 J	4.5	5 J	4.9 J	6.8 J	10.1 J
Sum DDE (U = 0)	--	2.6 J	5.17 J	8.3 J	7.9	10.7 J	14 J
Sum DDE (U = 1/2)	--	2.6 J	5.17 J	8.3 J	7.9	10.7 J	14 J
Sum DDT (U = 0)	--	0.94 J	1.2 J	2.3 J	1.9 J	2 J	3.5 J
Sum DDT (U = 1/2)	--	1.05 J	1.31 J	2.43 J	2.01 J	2.12 J	3.63 J
Total chlordanes (U = 0)	--	1.906 J	1.88 J	2.6 J	2.4 J	2.95 J	5.7 J
Total chlordanes (U = 1/2)	--	2.016 J	2.11 J	2.87 J	2.62 J	3.19 J	5.96 J
Total DDx (U = 0)	--	7.24 J	10.87 J	15.6 J	14.7 J	19.5 J	27.6 J
Total DDx (U = 1/2)	--	7.35 J	10.99 J	15.73 J	14.81 J	19.62 J	27.73 J
Toxaphene	SW8081A	8.6 U	9.1 U	11 U	9 U	9.6 U	10 U
Pesticides - High Resolution (µg/kg)							
2,4'-DDD (o,p'-DDD)	E1699	--	--	3	--	4.3	--
2,4'-DDE (o,p'-DDE)	E1699	--	--	0.14 U	--	1.3	--
2,4'-DDT (o,p'-DDT)	E1699	--	--	0.41 J	--	0.27 J	--
4,4'-DDD (p,p'-DDD)	E1699	--	--	11	--	13	--
4,4'-DDE (p,p'-DDE)	E1699	--	--	11	--	19	--
4,4'-DDT (p,p'-DDT)	E1699	--	--	2.8	--	1.4	--
Aldrin	E1699	--	--	0.29 J	--	0.058 J	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2090	Spring Surface Sediment 2091	Spring Surface Sediment 2092	Spring Surface Sediment 2093	Spring Surface Sediment 2094	Spring Surface Sediment 2095
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.58	0.58	0.58	0.69	0.69	0.69
Location ID		NC017SG_20120416	NC018SG_20120419	NC019SG_20120416	NC021SG_20120419	NC022SG_20120419	NC023SG_20120419
Sample ID		NC017SG-000009-20120416	NC018SG-000015-20120419	NC019SG-000013-20120416	NC021SG-000015-20120419	NC022SG-000015-20120419	NC023SG-000015-20120419
Sample Date		4/16/2012	4/19/2012	4/16/2012	4/19/2012	4/19/2012	4/19/2012
Sample Depth		0 - 9 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		13	24.4	7.7	17.2	23.7	14.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
alpha-Hexachlorocyclohexane (BHC)	E1699	--	--	0.64 U	--	0.1 J	--
Chlordane, alpha- (cis-Chlordane)	E1699	--	--	3.9	--	5.9	--
Chlordane, beta- (trans-Chlordane)	E1699	--	--	4.1	--	6.6	--
delta-Hexachlorocyclohexane (BHC)	E1699	--	--	1.8 U	--	0.025 J	--
Dieldrin	E1699	--	--	1.9	--	2.3	--
Endosulfan sulfate	E1699	--	--	0.25 J	--	0.026 U	--
Endosulfan-alpha (I)	E1699	--	--	0.14 U	--	0.12 U	--
Endosulfan-beta (II)	E1699	--	--	0.32 U	--	0.23 U	--
Endrin	E1699	--	--	0.62 J	--	0.092 U	--
Endrin aldehyde	E1699	--	--	0.18 U	--	0.087 U	--
Endrin ketone	E1699	--	--	0.97 J	--	0.088 U	--
Heptachlor	E1699	--	--	0.26 J	--	0.02 U	--
Heptachlor epoxide	E1699	--	--	0.41 J	--	0.043 J	--
Hexachlorobenzene	E1699	--	--	0.66 U	--	0.77	--
Hexachlorocyclohexane, beta- (BHC)	E1699	--	--	0.24 U	--	0.06 J	--
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	E1699	--	--	0.32 U	--	0.064 J	--
Methoxychlor	E1699	--	--	0.13 U	--	1.1 UJ	--
Mirex	E1699	--	--	0.25 J	--	0.42	--
Nonachlor, cis-	E1699	--	--	1.2	--	1.8	--
Nonachlor, trans-	E1699	--	--	2.1	--	3.5	--
Oxychlordane	E1699	--	--	0.052 J	--	0.017 U	--
Sum DDD high resolution (U = 0)	--	--	--	14	--	17.3	--
Sum DDD high resolution (U = 1/2)	--	--	--	14	--	17.3	--
Sum DDE high resolution (U = 0)	--	--	--	11	--	20.3	--
Sum DDE high resolution (U = 1/2)	--	--	--	11.07	--	20.3	--
Sum DDT high resolution (U = 0)	--	--	--	3.21 J	--	1.67 J	--
Sum DDT high resolution (U = 1/2)	--	--	--	3.21 J	--	1.67 J	--
Total chlordane high resolution (U = 0)	--	--	--	11.352 J	--	17.8	--
Total chlordane high resolution (U = 1/2)	--	--	--	11.352 J	--	17.809	--
Total DDx high resolution (U = 0)	--	--	--	28.21 J	--	39.27 J	--
Total DDx high resolution (U = 1/2)	--	--	--	28.28 J	--	39.27 J	--
Toxaphene	E1699	--	--	79 U	--	180 U	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2090	Spring Surface Sediment 2091	Spring Surface Sediment 2092	Spring Surface Sediment 2093	Spring Surface Sediment 2094	Spring Surface Sediment 2095
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.58	0.58	0.58	0.69	0.69	0.69
Location ID		NC017SG_20120416	NC018SG_20120419	NC019SG_20120416	NC021SG_20120419	NC022SG_20120419	NC023SG_20120419
Sample ID		NC017SG-000009-20120416	NC018SG-000015-20120419	NC019SG-000013-20120416	NC021SG-000015-20120419	NC022SG-000015-20120419	NC023SG-000015-20120419
Sample Date		4/16/2012	4/19/2012	4/16/2012	4/19/2012	4/19/2012	4/19/2012
Sample Depth		0 - 9 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		13	24.4	7.7	17.2	23.7	14.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Herbicides (µg/kg)							
2,2-Dichloropropionic acid (dalapon)	SW8151A	230 UJ	250 U	290 U	240 U	260 U	280 U
2,4,5-T (2,4,5-trichlorophenoxyacetic acid)	SW8151A	52 UJ	55 U	64 U	54 U	58 U	62 U
2,4,5-TP (Silvex)	SW8151A	52 UJ	55 U	64 U	54 U	58 U	62 U
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	210 UJ	220 U	260 U	220 U	230 U	250 U
2,4-DB (2,4-D derivative)	SW8151A	210 UJ	220 U	260 U	220 U	230 U	250 U
Dicamba	SW8151A	100 UJ	110 U	130 U	110 U	120 U	120 U
Dichlorprop	SW8151A	210 UJ	220 U	260 U	220 U	34 J	250 U
Dinoseb	SW8151A	31 UJ	33 UJ	38 UJ	32 UJ	35 UJ	37 UJ
Mecoprop (MCP)	SW8151A	21000 UJ	22000 U	26000 U	22000 U	23000 U	25000 U
Mephanac (MCPA)	SW8151A	21000 UJ	22000 U	26000 U	22000 U	23000 U	25000 U
Dioxin Furans (ng/kg)							
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	--	--	1.77	--	6.44	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	--	--	2.12 J	--	29.4	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	--	2.72 J	--	117	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	--	8.4	--	134	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	--	5.78	--	138	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B	--	--	107	--	1940	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B	--	--	953	--	6260	--
Total tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	--	--	32.1 J	--	202 J	--
Total pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	--	--	26.7 J	--	451	--
Total hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	--	96.3 J	--	1710	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2090	Spring Surface Sediment 2091	Spring Surface Sediment 2092	Spring Surface Sediment 2093	Spring Surface Sediment 2094	Spring Surface Sediment 2095
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	0.58	0.58	0.58	0.69	0.69	0.69
		Location ID	NC017SG_20120416	NC018SG_20120419	NC019SG_20120416	NC021SG_20120419	NC022SG_20120419	NC023SG_20120419
		Sample ID	NC017SG-000009-20120416	NC018SG-000015-20120419	NC019SG-000013-20120416	NC021SG-000015-20120419	NC022SG-000015-20120419	NC023SG-000015-20120419
		Sample Date	4/16/2012	4/19/2012	4/16/2012	4/19/2012	4/19/2012	4/19/2012
		Sample Depth	0 - 9 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	13	24.4	7.7	17.2	23.7	14.7
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
Total heptachlorodibenzo-p-dioxin (HpCDD)	E1613B		--	--	247	--	3280	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B		--	--	5.99	--	26.7	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B		--	--	6.61	--	33.9	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B		--	--	7.61	--	53.9	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B		--	--	15.7	--	142	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B		--	--	8.72	--	98.7	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B		--	--	2.01 J	--	0.313 U	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B		--	--	7.1	--	121	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B		--	--	89.2	--	880	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B		--	--	3.13 J	--	48.6	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B		--	--	103	--	836	--
Total tetrachlorodibenzofuran (TCDF)	E1613B		--	--	107 J	--	555 J	--
Total pentachlorodibenzofuran (PeCDF)	E1613B		--	--	109	--	696 J	--
Total hexachlorodibenzofuran (HxCDF)	E1613B		--	--	111 J	--	1090	--
Total heptachlorodibenzofuran (HpCDF)	E1613B		--	--	132 J	--	1230	--
Total dioxin/furan TEQ 1998 (avian) (U = 0)	--	--	--	--	23.44 J	--	188.926	--
Total dioxin/furan TEQ 1998 (avian) (U = 1/2)	--	--	--	--	23.44 J	--	188.941	--
Total dioxin/furan TEQ 1998 (fish) (U = 0)	--	--	--	--	14.32 J	--	175.146	--
Total dioxin/furan TEQ 1998 (fish) (U = 1/2)	--	--	--	--	14.32 J	--	175.161	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2090	Spring Surface Sediment 2091	Spring Surface Sediment 2092	Spring Surface Sediment 2093	Spring Surface Sediment 2094	Spring Surface Sediment 2095
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.58	0.58	0.58	0.69	0.69	0.69
Location ID		NC017SG_20120416	NC018SG_20120419	NC019SG_20120416	NC021SG_20120419	NC022SG_20120419	NC023SG_20120419
Sample ID		NC017SG-000009-20120416	NC018SG-000015-20120419	NC019SG-000013-20120416	NC021SG-000015-20120419	NC022SG-000015-20120419	NC023SG-000015-20120419
Sample Date		4/16/2012	4/19/2012	4/16/2012	4/19/2012	4/19/2012	4/19/2012
Sample Depth		0 - 9 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		13	24.4	7.7	17.2	23.7	14.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total dioxin/furan TEQ 2005 (mammal) (U = 0)	--	--	--	14.32 J	--	161.582	--
Total dioxin/furan TEQ 2005 (mammal) (U = 1/2)	--	--	--	14.32 J	--	161.597	--
PCB Aroclors (µg/kg)							
Aroclor 1016	SW8082A	5.4 U	5.7 U	6.7 U	5.6 U	6 U	6.4 U
Aroclor 1221	SW8082A	5.4 U	5.7 U	6.7 U	5.6 U	6 U	6.4 U
Aroclor 1232	SW8082A	5.4 U	5.7 U	6.7 U	5.6 U	6 U	6.4 U
Aroclor 1242	SW8082A	120	260	220	740	310	1200
Aroclor 1248	SW8082A	5.4 U	5.7 U	6.7 U	5.6 U	6 U	6.4 U
Aroclor 1254	SW8082A	130	250	220	540	310	500
Aroclor 1260	SW8082A	5.4 U	5.7 U	6.7 U	5.6 U	6 U	6.4 U
Aroclor 1262	SW8082A	5.4 U	5.7 U	6.7 U	5.6 U	6 U	6.4 U
Aroclor 1268	SW8082A	5.4 U	5.7 U	6.7 U	5.6 U	6 U	6.4 U
Total PCB Aroclors (U = 0)	--	250	510	440	1280	620	1700
Total PCB Aroclors (U = 1/2)	--	268.9	530	463.4	1299.6	641	1722.4
PCB Congeners (ng/kg)							
PCB-001	E1668B	--	--	1930	--	2360 J	--
PCB-002	E1668B	--	--	189 J	--	445	--
PCB-003	E1668B	--	--	892	--	1840	--
PCB-004	E1668B	--	--	2800	--	7070 J	--
PCB-005	E1668B	--	--	28.5 U	--	213 J	--
PCB-006	E1668B	--	--	1460	--	4670 J	--
PCB-007	E1668B	--	--	172 J	--	422	--
PCB-008	E1668B	--	--	5280 J	--	14000 J	--
PCB-009	E1668B	--	--	287	--	741	--
PCB-010	E1668B	--	--	322	--	591	--
PCB-011	E1668B	--	--	842	--	3400	--
PCB-012/013	E1668B	--	--	1290	--	4780	--
PCB-014	E1668B	--	--	23.4 U	--	16.6 U	--
PCB-015	E1668B	--	--	6830 J	--	25700 J	--
PCB-016	E1668B	--	--	1650	--	6530 J	--
PCB-017	E1668B	--	--	2620	--	13200 J	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2090	Spring Surface Sediment 2091	Spring Surface Sediment 2092	Spring Surface Sediment 2093	Spring Surface Sediment 2094	Spring Surface Sediment 2095
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	0.58	0.58	0.58	0.69	0.69	0.69
		Location ID	NC017SG_20120416	NC018SG_20120419	NC019SG_20120416	NC021SG_20120419	NC022SG_20120419	NC023SG_20120419
		Sample ID	NC017SG-000009-20120416	NC018SG-000015-20120419	NC019SG-000013-20120416	NC021SG-000015-20120419	NC022SG-000015-20120419	NC023SG-000015-20120419
		Sample Date	4/16/2012	4/19/2012	4/16/2012	4/19/2012	4/19/2012	4/19/2012
		Sample Depth	0 - 9 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	13	24.4	7.7	17.2	23.7	14.7
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-018/030	E1668B	--	--	--	3660	--	18100 J	--
PCB-019	E1668B	--	--	--	631	--	2010	--
PCB-020/028	E1668B	--	--	--	12800 J	--	71000 J	--
PCB-021/033	E1668B	--	--	--	3170	--	13800 J	--
PCB-022	E1668B	--	--	--	2810	--	14500 J	--
PCB-023	E1668B	--	--	--	10.8 J	--	6.2 U	--
PCB-024	E1668B	--	--	--	11.5 U	--	7.34 U	--
PCB-025	E1668B	--	--	--	1500	--	8650 J	--
PCB-026/029	E1668B	--	--	--	2510	--	14700 J	--
PCB-027	E1668B	--	--	--	692	--	3260	--
PCB-031	E1668B	--	--	--	9930 J	--	54200 J	--
PCB-032	E1668B	--	--	--	1650	--	8950 J	--
PCB-034	E1668B	--	--	--	79	--	456	--
PCB-035	E1668B	--	--	--	260	--	942 J	--
PCB-036	E1668B	--	--	--	29.6 U	--	15.2 U	--
PCB-037	E1668B	--	--	--	3050	--	12000 J	--
PCB-038	E1668B	--	--	--	31.6 U	--	16.5 U	--
PCB-039	E1668B	--	--	--	71.6	--	14.1 U	--
PCB-040/071	E1668B	--	--	--	3580	--	8260	--
PCB-041	E1668B	--	--	--	458	--	2510	--
PCB-042	E1668B	--	--	--	2030	--	6440 J	--
PCB-043	E1668B	--	--	--	267	--	744	--
PCB-044/047/065	E1668B	--	--	--	7240	--	21400 J	--
PCB-045	E1668B	--	--	--	--	--	--	--
PCB-045/051	E1668B	--	--	--	1050	--	2220	--
PCB-046	E1668B	--	--	--	323	--	702	--
PCB-048	E1668B	--	--	--	1200	--	3650	--
PCB-049/069	E1668B	--	--	--	5090	--	16500 J	--
PCB-050/053	E1668B	--	--	--	783	--	1600	--
PCB-051	E1668B	--	--	--	--	--	--	--
PCB-052	E1668B	--	--	--	7560 J	--	23100 J	--
PCB-054	E1668B	--	--	--	30.4	--	93 U	--
PCB-055	E1668B	--	--	--	21.5 U	--	12.4 U	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2090	Spring Surface Sediment 2091	Spring Surface Sediment 2092	Spring Surface Sediment 2093	Spring Surface Sediment 2094	Spring Surface Sediment 2095
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	0.58	0.58	0.58	0.69	0.69	0.69
		Location ID	NC017SG_20120416	NC018SG_20120419	NC019SG_20120416	NC021SG_20120419	NC022SG_20120419	NC023SG_20120419
		Sample ID	NC017SG-000009-20120416	NC018SG-000015-20120419	NC019SG-000013-20120416	NC021SG-000015-20120419	NC022SG-000015-20120419	NC023SG-000015-20120419
		Sample Date	4/16/2012	4/19/2012	4/16/2012	4/19/2012	4/19/2012	4/19/2012
		Sample Depth	0 - 9 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	13	24.4	7.7	17.2	23.7	14.7
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-056	E1668B	--	--	--	3330	--	13800 J	--
PCB-057	E1668B	--	--	--	53.1 J	--	13.1 U	--
PCB-058	E1668B	--	--	--	38.3 J	--	12.8 U	--
PCB-059/062/075	E1668B	--	--	--	659	--	1960	--
PCB-060	E1668B	--	--	--	1510	--	5770 J	--
PCB-061/070/074/076	E1668B	--	--	--	11500	--	39600 J	--
PCB-063	E1668B	--	--	--	374	--	1220	--
PCB-064	E1668B	--	--	--	2660	--	7920 J	--
PCB-066	E1668B	--	--	--	8050 J	--	31500 J	--
PCB-067	E1668B	--	--	--	298	--	992	--
PCB-068	E1668B	--	--	--	89.1	--	345	--
PCB-072	E1668B	--	--	--	146 J	--	465	--
PCB-073	E1668B	--	--	--	15.1 U	--	9.57 U	--
PCB-077	E1668B	--	--	--	908	--	3930	--
PCB-078	E1668B	--	--	--	22.8 U	--	13.1 U	--
PCB-079	E1668B	--	--	--	18.3 U	--	291	--
PCB-080	E1668B	--	--	--	18.5 U	--	11.7 U	--
PCB-081	E1668B	--	--	--	30.3	--	101	--
PCB-082	E1668B	--	--	--	876	--	2680	--
PCB-083	E1668B	--	--	--	354 J	--	1530	--
PCB-084	E1668B	--	--	--	1640	--	4580 J	--
PCB-085/116	E1668B	--	--	--	--	--	--	--
PCB-085/116/117	E1668B	--	--	--	1310	--	4100	--
PCB-086/087/097/108/119/125	E1668B	--	--	--	4370	--	15500	--
PCB-088	E1668B	--	--	--	--	--	--	--
PCB-088/091	E1668B	--	--	--	1180	--	3540	--
PCB-089	E1668B	--	--	--	79.9	--	277	--
PCB-090/101/113	E1668B	--	--	--	6860	--	25900 J	--
PCB-091	E1668B	--	--	--	--	--	--	--
PCB-092	E1668B	--	--	--	1310	--	4540 J	--
PCB-093/100	E1668B	--	--	--	143	--	289	--
PCB-094	E1668B	--	--	--	65.6 J	--	168	--
PCB-095	E1668B	--	--	--	4390 J	--	12000 J	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2090	Spring Surface Sediment 2091	Spring Surface Sediment 2092	Spring Surface Sediment 2093	Spring Surface Sediment 2094	Spring Surface Sediment 2095
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	0.58	0.58	0.58	0.69	0.69	0.69
		Location ID	NC017SG_20120416	NC018SG_20120419	NC019SG_20120416	NC021SG_20120419	NC022SG_20120419	NC023SG_20120419
		Sample ID	NC017SG-000009-20120416	NC018SG-000015-20120419	NC019SG-000013-20120416	NC021SG-000015-20120419	NC022SG-000015-20120419	NC023SG-000015-20120419
		Sample Date	4/16/2012	4/19/2012	4/16/2012	4/19/2012	4/19/2012	4/19/2012
		Sample Depth	0 - 9 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	13	24.4	7.7	17.2	23.7	14.7
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-096	E1668B	--	--	--	60.3	--	164	--
PCB-098	E1668B	--	--	--	--	--	--	--
PCB-098/102	E1668B	--	--	--	295	--	1030 J	--
PCB-099	E1668B	--	--	--	3560	--	14600 J	--
PCB-102	E1668B	--	--	--	--	--	--	--
PCB-103	E1668B	--	--	--	104	--	332	--
PCB-104	E1668B	--	--	--	9.03 U	--	22.1 J	--
PCB-105	E1668B	--	--	--	2390	--	9080 J	--
PCB-106	E1668B	--	--	--	27.2 U	--	19.5 U	--
PCB-107/124	E1668B	--	--	--	237	--	926	--
PCB-109	E1668B	--	--	--	565	--	2500	--
PCB-110	E1668B	--	--	--	--	--	--	--
PCB-110/115	E1668B	--	--	--	7980 J	--	28100 J	--
PCB-111	E1668B	--	--	--	18.5 U	--	13.2 U	--
PCB-112	E1668B	--	--	--	18.8 U	--	12.8 U	--
PCB-114	E1668B	--	--	--	120	--	460	--
PCB-115	E1668B	--	--	--	--	--	--	--
PCB-117	E1668B	--	--	--	--	--	--	--
PCB-118	E1668B	--	--	--	5910 J	--	23700 J	--
PCB-120	E1668B	--	--	--	19 U	--	109	--
PCB-121	E1668B	--	--	--	18.1 U	--	13.4 U	--
PCB-122	E1668B	--	--	--	67.9 J	--	229	--
PCB-123	E1668B	--	--	--	104 J	--	490	--
PCB-126	E1668B	--	--	--	34.1 U	--	318	--
PCB-127	E1668B	--	--	--	30 U	--	362 J	--
PCB-128/166	E1668B	--	--	--	1380	--	4170	--
PCB-129/138/163	E1668B	--	--	--	10500	--	34300 J	--
PCB-130	E1668B	--	--	--	662	--	1910	--
PCB-131	E1668B	--	--	--	122	--	209 U	--
PCB-132	E1668B	--	--	--	2950	--	8910 J	--
PCB-133	E1668B	--	--	--	170	--	562	--
PCB-134	E1668B	--	--	--	563	--	1610	--
PCB-135/151	E1668B	--	--	--	3140	--	8310	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2090	Spring Surface Sediment 2091	Spring Surface Sediment 2092	Spring Surface Sediment 2093	Spring Surface Sediment 2094	Spring Surface Sediment 2095
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	0.58	0.58	0.58	0.69	0.69	0.69
		Location ID	NC017SG_20120416	NC018SG_20120419	NC019SG_20120416	NC021SG_20120419	NC022SG_20120419	NC023SG_20120419
		Sample ID	NC017SG-000009-20120416	NC018SG-000015-20120419	NC019SG-000013-20120416	NC021SG-000015-20120419	NC022SG-000015-20120419	NC023SG-000015-20120419
		Sample Date	4/16/2012	4/19/2012	4/16/2012	4/19/2012	4/19/2012	4/19/2012
		Sample Depth	0 - 9 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	13	24.4	7.7	17.2	23.7	14.7
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-136	E1668B	--	--	--	1080	--	3150	--
PCB-137	E1668B	--	--	--	341	--	1220	--
PCB-139/140	E1668B	--	--	--	155	--	497	--
PCB-141	E1668B	--	--	--	1630	--	4580 J	--
PCB-142	E1668B	--	--	--	28.8 U	--	183 U	--
PCB-143	E1668B	--	--	--	26.1 U	--	166 U	--
PCB-144	E1668B	--	--	--	423	--	1020	--
PCB-145	E1668B	--	--	--	9.03 U	--	10.2 U	--
PCB-146	E1668B	--	--	--	1570	--	5440 J	--
PCB-147/149	E1668B	--	--	--	8170 J	--	29100 J	--
PCB-148	E1668B	--	--	--	12.1 U	--	13 U	--
PCB-150	E1668B	--	--	--	36.9 J	--	114	--
PCB-152	E1668B	--	--	--	8.58 U	--	34.1	--
PCB-153/168	E1668B	--	--	--	8960 J	--	27100 J	--
PCB-154	E1668B	--	--	--	240	--	595	--
PCB-155	E1668B	--	--	--	7.5 U	--	32.1	--
PCB-156/157	E1668B	--	--	--	907	--	3110	--
PCB-158	E1668B	--	--	--	937	--	2680	--
PCB-159	E1668B	--	--	--	22.4 U	--	17.1 U	--
PCB-160	E1668B	--	--	--	22.9 U	--	148 U	--
PCB-161	E1668B	--	--	--	20.6 U	--	123 U	--
PCB-162	E1668B	--	--	--	21 U	--	15.8 U	--
PCB-164	E1668B	--	--	--	693	--	1850	--
PCB-165	E1668B	--	--	--	23.3 U	--	149 U	--
PCB-167	E1668B	--	--	--	293	--	1150	--
PCB-169	E1668B	--	--	--	29.9 U	--	60.7 J	--
PCB-170	E1668B	--	--	--	2420	--	6750 J	--
PCB-171/173	E1668B	--	--	--	893	--	2760	--
PCB-172	E1668B	--	--	--	454	--	1430	--
PCB-174	E1668B	--	--	--	2870	--	9630 J	--
PCB-175	E1668B	--	--	--	144	--	354	--
PCB-176	E1668B	--	--	--	344	--	1020	--
PCB-177	E1668B	--	--	--	1880	--	6570 J	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2090	Spring Surface Sediment 2091	Spring Surface Sediment 2092	Spring Surface Sediment 2093	Spring Surface Sediment 2094	Spring Surface Sediment 2095
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	0.58	0.58	0.58	0.69	0.69	0.69
		Location ID	NC017SG_20120416	NC018SG_20120419	NC019SG_20120416	NC021SG_20120419	NC022SG_20120419	NC023SG_20120419
		Sample ID	NC017SG-000009-20120416	NC018SG-000015-20120419	NC019SG-000013-20120416	NC021SG-000015-20120419	NC022SG-000015-20120419	NC023SG-000015-20120419
		Sample Date	4/16/2012	4/19/2012	4/16/2012	4/19/2012	4/19/2012	4/19/2012
		Sample Depth	0 - 9 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	13	24.4	7.7	17.2	23.7	14.7
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-178	E1668B	--	--	--	689	--	1800	--
PCB-179	E1668B	--	--	--	1280	--	3710	--
PCB-180/193	E1668B	--	--	--	5840	--	17700 J	--
PCB-181	E1668B	--	--	--	33.8	--	71.6	--
PCB-182	E1668B	--	--	--	18.6	--	14.5 U	--
PCB-183	E1668B	--	--	--	--	--	--	--
PCB-183/185	E1668B	--	--	--	2190	--	8080	--
PCB-184	E1668B	--	--	--	12.5 U	--	12.1 U	--
PCB-185	E1668B	--	--	--	--	--	--	--
PCB-186	E1668B	--	--	--	11.6 U	--	11.9 U	--
PCB-187	E1668B	--	--	--	3950 J	--	11400 J	--
PCB-188	E1668B	--	--	--	12.2 U	--	50.8	--
PCB-189	E1668B	--	--	--	81.1 J	--	318	--
PCB-190	E1668B	--	--	--	461	--	1570	--
PCB-191	E1668B	--	--	--	106 J	--	315	--
PCB-192	E1668B	--	--	--	17 U	--	12.6 U	--
PCB-194	E1668B	--	--	--	1270	--	4610 J	--
PCB-195	E1668B	--	--	--	497	--	1710	--
PCB-196	E1668B	--	--	--	691	--	1930	--
PCB-197	E1668B	--	--	--	--	--	--	--
PCB-197/200	E1668B	--	--	--	243	--	663	--
PCB-198/199	E1668B	--	--	--	1810	--	5530	--
PCB-200	E1668B	--	--	--	--	--	--	--
PCB-201	E1668B	--	--	--	243	--	840	--
PCB-202	E1668B	--	--	--	498	--	1800	--
PCB-203	E1668B	--	--	--	1020	--	2950	--
PCB-204	E1668B	--	--	--	11.5 U	--	16.2 U	--
PCB-205	E1668B	--	--	--	58.4 J	--	266	--
PCB-206	E1668B	--	--	--	1050 J	--	5260 J	--
PCB-207	E1668B	--	--	--	106 J	--	492	--
PCB-208	E1668B	--	--	--	405	--	1750	--
PCB-209	E1668B	--	--	--	943 J	--	4430 J	--
Total PCB congener (U = 0)	--	--	--	--	250029.1 J	--	908341.4 J	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2090	Spring Surface Sediment 2091	Spring Surface Sediment 2092	Spring Surface Sediment 2093	Spring Surface Sediment 2094	Spring Surface Sediment 2095
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.58	0.58	0.58	0.69	0.69	0.69
Location ID		NC017SG_20120416	NC018SG_20120419	NC019SG_20120416	NC021SG_20120419	NC022SG_20120419	NC023SG_20120419
Sample ID		NC017SG-000009-20120416	NC018SG-000015-20120419	NC019SG-000013-20120416	NC021SG-000015-20120419	NC022SG-000015-20120419	NC023SG-000015-20120419
Sample Date		4/16/2012	4/19/2012	4/16/2012	4/19/2012	4/19/2012	4/19/2012
Sample Depth		0 - 9 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		13	24.4	7.7	17.2	23.7	14.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total PCB congener (U = 1/2)	--	--	--	250375.37 J	--	909042.35 J	--
Total PCB congener TEQ 1998 (avian) (U = 0)	--	--	--	48.8 J	--	240 J	--
Total PCB congener TEQ 1998 (avian) (U = 1/2)	--	--	--	50.6 J	--	240 J	--
Total PCB congener TEQ 1998 (fish) (U = 0)	--	--	--	0.2 J	--	2.2 J	--
Total PCB congener TEQ 1998 (fish) (U = 1/2)	--	--	--	0.2 J	--	2.2 J	--
Total PCB congener TEQ 2005 (mammal) (U = 0)	--	--	--	0.4 J	--	35.2 J	--
Total PCB congener TEQ 2005 (mammal) (U = 1/2)	--	--	--	2.5 J	--	35.2 J	--
Total Petroleum Hydrocarbons (mg/kg)							
Diesel range organics (C10 - C28)	SW8015M	1440	929	1300	1010	1540	1880
Phytane	SW8015M	1.99	0.805 J	1.74 J	1.12 J	1.21 J	2.84 J
Pristane	SW8015M	1.28	0.575	1.04	1.13	1.16	1.96
Total petroleum hydrocarbons (C9-C40)	SW8015M	2530	1690	2420	1810	2740	3140
Radionuclides (pci/g)							
Beryllium 7	HASL300	--	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2096	Spring Surface Sediment 2097	Spring Surface Sediment 2098	Spring Surface Sediment 2099	Spring Surface Sediment 2100	Spring Surface Sediment 2101
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.718028	0.718028	0.78	0.78	0.78	0.91
Location ID		NC081SG_20120712	NC081SG_20120712	NC024SG_20120419	NC025SG_20120421	NC026SG_20120419	NC027SG_20120506
Sample ID		NC081SG-000015-20120712	NC1081SG-000015-20120712	NC024SG-000015-20120419	NC025SG-000011-20120421	NC026SG-000015-20120419	NC027SG-000003-20120506
Sample Date		7/12/2012	7/12/2012	4/19/2012	4/21/2012	4/19/2012	5/6/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 11 cm	0 - 15 cm	0 - 3 cm
Water Column Depth		15	15	12	22.8	16.2	29.8
Sample Type		N	FD	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Conventional Parameters (lb/ft³)							
Density	D7263	24.9	26.9	25.2	26	29.5	--
Conventional Parameters (mg/kg)							
Ammonia as nitrogen	SM4500NH3H	73 J	66 J	76	23 U	47	--
Cyanide, total	SW9012A	2.9 U	0.72 J	3.2 U	3 U	3 U	--
Nitrate + nitrite as nitrogen	SM4500NO3F	2.1 J	7.6 U	16 U	7.9 U	16 U	--
Nitrogen ((No Suggestions))	SM4500NORGC	2300	3200	3400 J	2400	3500 J	--
Phosphorus	SM4500PE	1000 J	1100 J	1700 J	1500 J	1300 J	--
Sulfide	SW9030B	1900	3200	3600 J	510	350 J	--
Conventional Parameters (pct)							
Moisture (water) content	D2216	200.9	190.7	--	--	--	--
Moisture, percent	D2216	67.3	64.7	--	--	--	--
Soot carbon	SOOTC	0.286 J	0.256 J	0.135 J	0.17 J	0.145 J	--
Total organic carbon	SW9060	2.915 J	2.725 J	2.415 J	2.95	2.975 J	--
Total solids	SM2540G	32.8	32.3	30.7	32.7	30.9	--
Conventional Parameters (SU)							
pH	SW9045C	7.7	7.6	7.9	7.9	7.4	--
Conventional Parameters (unitless)							
Liquid limit	D4318	131	128	--	--	--	--
Plastic limit	D4318	45	44	--	--	--	--
Plasticity index	D4318	86	84	--	--	--	--
Specific gravity	D854	2.56	2.5	--	--	--	--
Grain Size (pct)							
Cobbles	D422	0	0	0	0	0	--
Gravel	D422	0	0.3	0.5	0	5.7	--
Sand	D422	2.4	2.5	5	1.5	7.3	--
Fines (silt + clay)	D422	97.6	97.2	94.5	98.5	87	--
Percent passing 0.375 inch (3/8 inch sieve)	D422	--	100	100	--	98	--
Percent passing 0.5 inch (1/2 inch sieve)	D422	--	--	--	--	99	--
Percent passing 0.75 inch (3/4 inch sieve)	D422	--	--	--	--	100	--
Percent passing 1 inch (1 inch sieve)	D422	--	--	--	--	--	--
Percent passing 75 micron sieve (#200)	D422	98	97	94	99	87	--
Percent passing 150 micron sieve (#100)	D422	98	98	95	99	87	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2096	Spring Surface Sediment 2097	Spring Surface Sediment 2098	Spring Surface Sediment 2099	Spring Surface Sediment 2100	Spring Surface Sediment 2101
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.718028	0.718028	0.78	0.78	0.78	0.91
Location ID		NC081SG_20120712	NC081SG_20120712	NC024SG_20120419	NC025SG_20120421	NC026SG_20120419	NC027SG_20120506
Sample ID		NC081SG-000015-20120712	NC1081SG-000015-20120712	NC024SG-000015-20120419	NC025SG-000011-20120421	NC026SG-000015-20120419	NC027SG-000003-20120506
Sample Date		7/12/2012	7/12/2012	4/19/2012	4/21/2012	4/19/2012	5/6/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 11 cm	0 - 15 cm	0 - 3 cm
Water Column Depth		15	15	12	22.8	16.2	29.8
Sample Type		N	FD	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Percent passing 250 micron sieve (#60)	D422	98	98	96	100	88	--
Percent passing 425 micron sieve (#40)	D422	99	99	97	100	88	--
Percent passing 850 micron sieve (#20)	D422	100	99	98	100	89	--
Percent passing 2000 micron sieve (#10)	D422	100	99	98	100	93	--
Percent passing 4750 micron sieve (#4)	D422	100	100	99	100	94	--
Metals (mg/kg)							
Aluminum	SW6020A	12800	12500	18000	13300	17800	--
Antimony	SW6020A	0.355 J	0.331 J	0.35 J	0.264 J	0.341 J	--
Arsenic	SW6020A	11.3	12	12.9	10.2	13.7	--
Barium	SW6020A	66	73.7	76.2	61 J	73.4	--
Beryllium	SW6020A	0.863	1.04	1.08	0.794	1.09	--
Cadmium	SW6020A	1.72	1.9	1.88	1.48 J	1.66	--
Calcium	SW6020A	6300 J	6330 J	7520 J	5080 J	6290 J	--
Chromium	SW6020A	77.9	80.1	77.7 J	62.9 J	76.2 J	--
Cobalt	SW6020A	12.2	12.6	12.8 J	10.7 J	13.6 J	--
Copper	SW6020A	160 J	167 J	170	139 J	147	--
Iron	SW6020A	31500	33800	38900	28200	38800	--
Lead	SW6020A	137 J	148 J	132 J	115	122 J	--
Magnesium	SW6020A	9010 J	9290 J	11100	8280	10400	--
Manganese	SW6020A	481	493	450	388 J	539	--
Mercury	E1631M	1.15	1.12	0.799	0.973 J	0.81	--
Nickel	SW6020A	37.9	40.6	42.4	35.1 J	42.4	--
Potassium	SW6020A	3020 J	3060 J	4310 J	3220 J	4080 J	--
Selenium	SW6020A	2.05	1.9	2.07	1.42	1.66	--
Silver	SW6020A	3.87 J	3.72 J	3.58 J	3.01	2.99 J	--
Sodium	SW6020A	17100 J	17900 J	18300	15500 J	16900	--
Thallium	SW6020A	0.239	0.255	0.268 J	0.215	0.253 J	--
Tin	SW6020A	65.1 J	15.9 J	16.4	13.7	13.8	--
Vanadium	SW6020A	38	39	43.4	32.2	43.8	--
Zinc	SW6020A	324	331	381	296 J	354	--
Organometallic Compounds (µg/kg)							
Methyl mercury	E1630M	4.25	3.69	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2096	Spring Surface Sediment 2097	Spring Surface Sediment 2098	Spring Surface Sediment 2099	Spring Surface Sediment 2100	Spring Surface Sediment 2101
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.718028	0.718028	0.78	0.78	0.78	0.91
Location ID		NC081SG_20120712	NC081SG_20120712	NC024SG_20120419	NC025SG_20120421	NC026SG_20120419	NC027SG_20120506
Sample ID		NC081SG-000015-20120712	NC1081SG-000015-20120712	NC024SG-000015-20120419	NC025SG-000011-20120421	NC026SG-000015-20120419	NC027SG-000003-20120506
Sample Date		7/12/2012	7/12/2012	4/19/2012	4/21/2012	4/19/2012	5/6/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 11 cm	0 - 15 cm	0 - 3 cm
Water Column Depth		15	15	12	22.8	16.2	29.8
Sample Type		N	FD	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Volatile Organics (µg/kg)							
1,1,1-Trichloroethane	SW8260B	3 U	3.1 U	3.2 U	3 U	3.2 U	--
1,1,2,2-Tetrachloroethane	SW8260B	3 U	3.1 U	3.2 U	3 U	3.2 U	--
1,1,2-Trichloroethane	SW8260B	4.6 U	4.6 U	4.8 U	4.6 U	4.8 U	--
1,1,2-Trichlorotrifluoroethane	SW8260B	61 U	62 U	64 U	61 U	63 U	--
1,1-Dichloroethane	SW8260B	4.6 U	4.6 U	4.8 U	4.6 U	4.8 U	--
1,1-Dichloroethene	SW8260B	3 U	3.1 U	3.2 U	3 U	3.2 U	--
1,2,3-Trichlorobenzene	SW8260B	15 U	15 U	16 U	15 U	16 U	--
1,2,4-Trichlorobenzene	SW8260B	15 U	15 U	16 U	15 U	16 U	--
1,2-Dibromo-3-chloropropane	SW8260B	15 U	15 U	16 U	15 U	16 U	--
1,2-Dichlorobenzene	SW8260B	15 U	15 U	16 U	15 U	16 U	--
1,2-Dichloroethane	SW8260B	3 U	3.1 U	3.2 U	3 U	3.2 U	--
1,2-Dichloroethene, cis-	SW8260B	3 U	3.1 U	3.2 U	3 U	3.2 U	--
1,2-Dichloroethene, trans-	SW8260B	4.6 U	4.6 U	4.8 U	4.6 U	4.8 U	--
1,2-Dichloropropane	SW8260B	11 U	11 U	11 U	11 U	11 U	--
1,3-Dichlorobenzene	SW8260B	15 U	15 U	16 U	15 U	16 U	--
1,3-Dichloropropene, cis-	SW8260B	3 U	3.1 U	3.2 U	3 U	3.2 U	--
1,3-Dichloropropene, trans-	SW8260B	3 U	3.1 U	3.2 U	3 U	3.2 U	--
1,4-Dichlorobenzene	SW8260B	15 U	15 U	16 U	15 U	16 U	--
2-Butanone (MEK)	SW8260B	63	86	54	26 J	62	--
2-Hexanone (methyl butyl ketone)	SW8260B	30 U	31 U	32 U	30 U	32 U	--
Acetone	SW8260B	310 J	500 J	270 J	120	350 J	--
Benzene	SW8260B	3 U	3.1 U	3.2 U	3 U	3.2 U	--
Bromochloromethane	SW8260B	15 U	15 U	16 U	15 U	16 U	--
Bromodichloromethane	SW8260B	3 U	3.1 U	3.2 U	3 U	3.2 U	--
Bromoform (tribromomethane)	SW8260B	12 U	12 U	13 U	12 U	13 U	--
Bromomethane (methyl bromide)	SW8260B	6.1 U	6.2 U	6.4 U	6.1 U	6.3 U	--
Carbon disulfide	SW8260B	12 J	14 J	6.7 J	4.8 J	7.5 J	--
Carbon tetrachloride (tetrachloromethane)	SW8260B	3 U	3.1 U	3.2 U	3 U	3.2 U	--
Chlorobenzene	SW8260B	3 U	3.1 U	3.2 U	3 U	3.2 U	--
Chloroethane	SW8260B	6.1 U	6.2 U	6.4 U	6.1 U	6.3 U	--
Chloroform	SW8260B	4.6 U	4.6 U	4.8 U	4.6 U	4.8 U	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2096	Spring Surface Sediment 2097	Spring Surface Sediment 2098	Spring Surface Sediment 2099	Spring Surface Sediment 2100	Spring Surface Sediment 2101
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	0.718028	0.718028	0.78	0.78	0.78	0.91
		Location ID	NC081SG_20120712	NC081SG_20120712	NC024SG_20120419	NC025SG_20120421	NC026SG_20120419	NC027SG_20120506
		Sample ID	NC081SG-000015-20120712	NC1081SG-000015-20120712	NC024SG-000015-20120419	NC025SG-000011-20120421	NC026SG-000015-20120419	NC027SG-000003-20120506
		Sample Date	7/12/2012	7/12/2012	4/19/2012	4/21/2012	4/19/2012	5/6/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 11 cm	0 - 15 cm	0 - 3 cm
		Water Column Depth	15	15	12	22.8	16.2	29.8
		Sample Type	N	FD	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
Chloromethane	SW8260B		15 U	15 U	16 U	15 U	16 U	--
Cyclohexane	SW8260B		61 U	62 U	64 U	61 U	63 U	--
Dibromochloromethane	SW8260B		3 U	3.1 U	3.2 U	3 U	3.2 U	--
Dichlorodifluoromethane	SW8260B		30 U	31 U	32 UJ	30 U	32 UJ	--
Dichloromethane (methylene chloride)	SW8260B		26 J	21 J	32 U	30 U	32 U	--
Ethylbenzene	SW8260B		3 U	3.1 U	3.2 U	3 U	3.2 U	--
Ethylene dibromide (1,2-Dibromoethane)	SW8260B		12 U	12 U	13 U	12 U	13 U	--
Isopropylbenzene (cumene)	SW8260B		3 U	3.1 U	3.2 U	3 U	3.2 U	--
m,p-Xylene	SW8260B		6.1 U	6.2 U	6.4 U	6.1 U	6.3 U	--
Methyl acetate	SW8260B		61 U	62 U	64 U	61 U	63 U	--
Methyl isobutyl ketone (4-methyl-2-pentanone [MIBK])	SW8260B		30 U	31 U	32 U	30 U	32 U	--
Methyl tert-butyl ether (MTBE)	SW8260B		6.1 U	6.2 U	6.4 U	6.1 U	6.3 U	--
Methylcyclohexane	SW8260B		12 U	12 U	13 U	12 U	13 U	--
o-Xylene	SW8260B		6.1 U	6.2 U	6.4 U	6.1 U	6.3 U	--
Styrene	SW8260B		6.1 U	6.2 U	6.4 U	6.1 U	6.3 U	--
Tetrachloroethene (PCE)	SW8260B		3 U	3.1 U	3.2 U	3 U	3.2 U	--
Toluene	SW8260B		4.6 U	4.6 U	4.8 U	4.6 U	4.8 U	--
Total BTEX (U = 0)	--		6.1 U	6.2 U	6.4 U	6.1 U	6.3 U	--
Total BTEX (U = 1/2)	--		6.1 U	6.2 U	6.4 U	6.1 U	6.3 U	--
Total xylene (U = 0)	--		6.1 U	6.2 U	6.4 U	6.1 U	6.3 U	--
Total xylene (U = 1/2)	--		6.1 U	6.2 U	6.4 U	6.1 U	6.3 U	--
Trichloroethene (TCE)	SW8260B		3 U	3.1 U	3.2 U	3 U	3.2 U	--
Trichlorofluoromethane (fluorotrichloromethane)	SW8260B		15 U	15 U	16 U	15 U	16 U	--
Vinyl acetate	SW8260B		30 U	31 U	32 U	30 U	32 U	--
Vinyl chloride	SW8260B		6.1 U	6.2 U	6.4 U	6.1 U	6.3 U	--
Semivolatile Organics (µg/kg)								
1,2,4,5-Tetrachlorobenzene	SW8270C		1900 U	2000 U	2100 U	1000 U	2200 U	--
1,4-Dioxane	SW8270C		3800 U	3900 U	4300 U	2000 UJ	4500 U	--
2,3,4,6-Tetrachlorophenol	SW8270C		1900 U	2000 U	2100 U	1000 U	2200 U	--
2,4,5-Trichlorophenol	SW8270C		1900 U	2000 U	2100 U	1000 U	2200 U	--
2,4,6-Trichlorophenol	SW8270C		1900 U	2000 U	2100 U	1000 U	2200 U	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2096	Spring Surface Sediment 2097	Spring Surface Sediment 2098	Spring Surface Sediment 2099	Spring Surface Sediment 2100	Spring Surface Sediment 2101
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	0.718028	0.718028	0.78	0.78	0.78	0.91
		Location ID	NC081SG_20120712	NC081SG_20120712	NC024SG_20120419	NC025SG_20120421	NC026SG_20120419	NC027SG_20120506
		Sample ID	NC081SG-000015-20120712	NC1081SG-000015-20120712	NC024SG-000015-20120419	NC025SG-000011-20120421	NC026SG-000015-20120419	NC027SG-000003-20120506
		Sample Date	7/12/2012	7/12/2012	4/19/2012	4/21/2012	4/19/2012	5/6/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 11 cm	0 - 15 cm	0 - 3 cm
		Water Column Depth	15	15	12	22.8	16.2	29.8
		Sample Type	N	FD	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
2,4-Dichlorophenol	SW8270C		380 U	400 U	440 U	200 U	450 U	--
2,4-Dimethylphenol	SW8270C		1900 U	2000 U	2100 U	1000 U	2200 U	--
2,4-Dinitrophenol	SW8270C		9700 U	10000 U	11000 U	5100 U	11000 U	--
2,4-Dinitrotoluene	SW8270C		1900 U	2000 U	2100 U	1000 U	2200 U	--
2,6-Dinitrotoluene	SW8270C		1900 U	2000 U	2100 U	1000 U	2200 U	--
2-Chloronaphthalene	SW8270C		380 U	400 U	440 U	200 U	450 U	--
2-Chlorophenol	SW8270C		1900 U	2000 U	2100 U	1000 U	2200 U	--
2-Methylnaphthalene	SW8270C		170 J	100 J	270 J	100 J	160 J	--
2-Methylphenol (o-Cresol)	SW8270C		1900 U	2000 U	2100 U	1000 U	2200 U	--
2-Nitroaniline	SW8270C		9700 U	10000 U	11000 U	5100 U	11000 U	--
2-Nitrophenol	SW8270C		1900 U	2000 U	2100 U	1000 U	2200 U	--
3,3'-Dichlorobenzidine	SW8270C		1900 U	2000 U	2100 U	1000 UJ	2200 U	--
3-methylphenol and 4-methylphenol (m&p-cresol)	SW8270C		240 J	2000 U	2100 U	300 J	2200 U	--
3-Nitroaniline	SW8270C		9700 U	10000 U	11000 U	5100 U	11000 U	--
4-Bromophenyl-phenyl ether	SW8270C		1900 U	2000 U	2100 U	1000 U	2200 U	--
4-Chloro-3-methylphenol	SW8270C		1900 U	2000 U	2100 U	1000 U	2200 U	--
4-Chloroaniline	SW8270C		1900 U	2000 U	2100 U	1000 U	2200 U	--
4-Chlorophenyl phenyl ether	SW8270C		1900 U	2000 U	2100 U	1000 U	2200 U	--
4-Nitroaniline	SW8270C		9700 U	10000 U	11000 U	5100 U	11000 U	--
4-Nitrophenol	SW8270C		9700 U	10000 U	11000 U	5100 U	11000 U	--
Acenaphthene	SW8270C		81 J	86 J	590	74 J	450 U	--
Acenaphthylene	SW8270C		160 J	400 U	170 J	120 J	140 J	--
Acetophenone	SW8270C		1900 U	2000 U	2100 U	1000 U	2200 U	--
Anthracene	SW8270C		300 J	250 J	1400	220	410 J	--
Atrazine	SW8270C		1900 UJ	2000 UJ	2100 U	1000 UJ	2200 U	--
Benzaldehyde	SW8270C		1900 UJ	2000 UJ	1400 J	1000 UJ	1400 J	--
Benzo(a)anthracene	SW8270C		1100	720	2700	690	1200	--
Benzo(a)pyrene	SW8270C		970 J	700 J	2200	700	1100	--
Benzo(b)fluoranthene	SW8270C		750 J	750 J	3000	770	2400	--
Benzo(g,h,i)perylene	SW8270C		480 J	400 UJ	1200	350	710	--
Benzo(k)fluoranthene	SW8270C		520 J	400 UJ	1200	320	350 J	--
Biphenyl (1,1'-Biphenyl)	SW8270C		1900 U	2000 U	2100 U	1000 U	2200 U	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2096	Spring Surface Sediment 2097	Spring Surface Sediment 2098	Spring Surface Sediment 2099	Spring Surface Sediment 2100	Spring Surface Sediment 2101
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	0.718028	0.718028	0.78	0.78	0.78	0.91
		Location ID	NC081SG_20120712	NC081SG_20120712	NC024SG_20120419	NC025SG_20120421	NC026SG_20120419	NC027SG_20120506
		Sample ID	NC081SG-000015-20120712	NC1081SG-000015-20120712	NC024SG-000015-20120419	NC025SG-000011-20120421	NC026SG-000015-20120419	NC027SG-000003-20120506
		Sample Date	7/12/2012	7/12/2012	4/19/2012	4/21/2012	4/19/2012	5/6/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 11 cm	0 - 15 cm	0 - 3 cm
		Water Column Depth	15	15	12	22.8	16.2	29.8
		Sample Type	N	FD	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
bis(2-Chloroethoxy)methane	SW8270C		1900 U	2000 U	2100 U	1000 U	2200 U	--
bis(2-Chloroethyl)ether	SW8270C		380 U	400 U	440 U	200 U	450 U	--
bis(2-Chloroisopropyl)ether	SW8270C		380 UJ	400 UJ	440 U	200 U	450 U	--
Bis(2-ethylhexyl)phthalate	SW8270C		3700 J	3400 J	6700	3600	5200	--
Butylbenzyl phthalate	SW8270C		1900 U	2000 U	2100 U	200 J	2200 U	--
Caprolactam	SW8270C		9700 UJ	10000 UJ	11000 U	5100 UJ	11000 U	--
Carbazole	SW8270C		140 J	400 U	490	54 J	450 U	--
Chrysene	SW8270C		810	830	2600	680	1200	--
Dibenzo(a,h)anthracene	SW8270C		100 J	400 UJ	1400	220	1200	--
Dibenzofuran	SW8270C		1900 U	2000 U	380 J	1000 U	2200 U	--
Diethyl phthalate	SW8270C		1900 U	2000 U	330 J	1000 U	2200 U	--
Dimethyl phthalate	SW8270C		1900 U	2000 U	2100 U	1000 U	2200 U	--
Di-n-butyl phthalate	SW8270C		1900 U	2000 U	670 J	1000 U	2200 U	--
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)	SW8270C		9700 U	10000 U	11000 UJ	5100 U	11000 UJ	--
Di-n-octyl phthalate	SW8270C		1900 UJ	2000 UJ	2100 U	1000 U	2200 U	--
Fluoranthene	SW8270C		920	940	4500	920	1600	--
Fluorene	SW8270C		100 J	400 U	650	99 J	130 J	--
Hexachlorobenzene	SW8270C		380 U	400 U	440 U	200 U	450 U	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270C		380 U	400 U	440 U	200 U	450 U	--
Hexachlorocyclopentadiene	SW8270C		1900 UJ	2000 UJ	2100 UJ	1000 U	2200 UJ	--
Hexachloroethane	SW8270C		1900 U	2000 U	2100 U	1000 U	2200 U	--
Indeno(1,2,3-c,d)pyrene	SW8270C		510 J	400 UJ	1600	360	1300	--
Isophorone	SW8270C		1900 U	2000 U	2100 U	1000 U	2200 U	--
Naphthalene	SW8270C		380 U	210 J	540	150 J	260 J	--
Nitrobenzene	SW8270C		3800 U	3900 U	4300 U	2000 U	4500 U	--
N-Nitrosodi-N-propylamine	SW8270C		380 U	400 U	440 U	200 U	450 U	--
N-Nitrosodiphenylamine	SW8270C		1900 U	2000 U	2100 U	1000 U	2200 U	--
Pentachlorophenol	SW8270C		1900 U	2000 U	2100 U	1000 U	2200 U	--
Phenanthrene	SW8270C		540	440	4100	330	760	--
Phenol	SW8270C		380 U	400 U	440 U	200 U	450 U	--
Pyrene	SW8270C		1600	1700	5500	980	2200	--

Table A4-2
Surface Sediment Analytical Results

Task	Tributary	Spring Surface Sediment 2096	Spring Surface Sediment 2097	Spring Surface Sediment 2098	Spring Surface Sediment 2099	Spring Surface Sediment 2100	Spring Surface Sediment 2101
		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.718028	0.718028	0.78	0.78	0.78	0.91
Location ID		NC081SG_20120712	NC081SG_20120712	NC024SG_20120419	NC025SG_20120421	NC026SG_20120419	NC027SG_20120506
Sample ID		NC081SG-000015-20120712	NC1081SG-000015-20120712	NC024SG-000015-20120419	NC025SG-000011-20120421	NC026SG-000015-20120419	NC027SG-000003-20120506
Sample Date		7/12/2012	7/12/2012	4/19/2012	4/21/2012	4/19/2012	5/6/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 11 cm	0 - 15 cm	0 - 3 cm
Water Column Depth		15	15	12	22.8	16.2	29.8
Sample Type		N	FD	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total cresol (o,m,p) (U = 0)	--	240 J	2000 U	2100 U	300 J	2200 U	--
Total cresol (o,m,p) (U = 1/2)	--	1190 J	2000 U	2100 U	800 J	2200 U	--
Polycyclic Aromatic Hydrocarbons (µg/kg)							
1,6,7-Trimethylnaphthalene	SW8270CMSIM	29.4	29.7	34.8	25.2	20.5	--
1-Methyldibenzothiophene	SW8270CMSIM	21.1	18.1	14.4	15.1 J	11.6	--
1-Methylnaphthalene	SW8270CMSIM	109	96.1	65	71.5	61.4	--
1-Methylphenanthrene	SW8270CMSIM	130	114	122	141	104	--
2,6-Dimethylnaphthalene	SW8270CMSIM	172	146	122	122	100	--
2-Methylantracene	SW8270CMSIM	129	104	107	143	87.3	--
2-Methyldibenzothiophene and 3-methyldibenzothiophene	SW8270CMSIM	142	88	45.6	21.4	8.11 U	--
2-Methylnaphthalene	SW8270CMSIM	256	230	161	164	140	--
2-Methylphenanthrene	SW8270CMSIM	149	132	106	147	86.9	--
4-Methyldibenzothiophene	SW8270CMSIM	67.3	58.7	47.5	52.2	41.6	--
4-Methylphenanthrene and 9-methylphenanthrene	SW8270CMSIM	198	169	83.8	178	70.1	--
Acenaphthene	SW8270CMSIM	151	133	114	103	88.2	--
Acenaphthylene	SW8270CMSIM	271	245	154	267	136	--
Anthracene	SW8270CMSIM	573	442	452	524	342	--
Benzo(a)anthracene	SW8270CMSIM	1120	954	875	1360	717	--
Benzo(a)pyrene	SW8270CMSIM	1290	1090	969	1290	790	--
Benzo(b)fluoranthene	SW8270CMSIM	1110	1030	948	1160	733	--
Benzo(e)pyrene	SW8270CMSIM	1000	879	765	936	613	--
Benzo(g,h,i)perylene	SW8270CMSIM	798	744	595	758	480	--
Benzo(j,k)fluoranthene	SW8270CMSIM	1030	1010	722	1090	525	--
Benzonaphthothiophene	SW8270CMSIM	399	330	310	370	265	--
Benzo(b)fluoranthene	SW8270CMSIM	20	17.8	11.3	12.5 J	9.35	--
Carbazole	SW8270CMSIM	67.6	50.7	78.3	69.9	53.2	--
Chrysene	SW8270CMSIM	1330	1100	963	1480	807	--
Decalin, cis and trans-	SW8270CMSIM	32.5	28.9	20	18.6	17.3	--
Dibenzo(a,h)anthracene and dibenzo(a,c)anthracene	SW8270CMSIM	249	232	196	235	158	--
Dibenzothiophene	SW8270CMSIM	110	95.5	82.9	82.2	68.3	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2096	Spring Surface Sediment 2097	Spring Surface Sediment 2098	Spring Surface Sediment 2099	Spring Surface Sediment 2100	Spring Surface Sediment 2101
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.718028	0.718028	0.78	0.78	0.78	0.91
Location ID		NC081SG_20120712	NC081SG_20120712	NC024SG_20120419	NC025SG_20120421	NC026SG_20120419	NC027SG_20120506
Sample ID		NC081SG-000015-20120712	NC1081SG-000015-20120712	NC024SG-000015-20120419	NC025SG-000011-20120421	NC026SG-000015-20120419	NC027SG-000003-20120506
Sample Date		7/12/2012	7/12/2012	4/19/2012	4/21/2012	4/19/2012	5/6/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 11 cm	0 - 15 cm	0 - 3 cm
Water Column Depth		15	15	12	22.8	16.2	29.8
Sample Type		N	FD	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Fluoranthene	SW8270CMSIM	2330	2010	2010	2210	1540	--
Fluorene	SW8270CMSIM	171	149	123	124	100	--
Indeno(1,2,3-c,d)pyrene	SW8270CMSIM	751	714	568	826	476	--
Naphthalene	SW8270CMSIM	454	438	273	277	239	--
Perylene	SW8270CMSIM	530	491	328	459	305	--
Phenanthrene	SW8270CMSIM	732	649	740	710	561	--
Pyrene	SW8270CMSIM	2590	2180	2170	2370	1660	--
Retene	SW8270CMSIM	190	185	8.35 U	186 J	144	--
Total benzofluoranthenes (U = 0)	--	2140	2040	1670	2250	1258	--
Total benzofluoranthenes (U = 1/2)	--	2140	2040	1670	2250	1258	--
Total cPAH TEQ (USEPA 1993) (U = 0)	--	1848.73	1603	1412.283	1871.98	1146.657	--
Total cPAH TEQ (USEPA 1993) (U = 1/2)	--	1848.73	1603	1412.283	1871.98	1146.657	--
Total HPAH (9 of 16) (U = 0)	--	12598	11064	10016	12779	7886	--
Total HPAH (9 of 16) (U = 1/2)	--	12598	11064	10016	12779	7886	--
Total LPAH (7 of 16) (U = 0)	--	2608	2286	2017	2169	1606.2	--
Total LPAH (7 of 16) (U = 1/2)	--	2608	2286	2017	2169	1606.2	--
Total PAH (16) (U = 0)	--	15206	13350	12033	14948	9492.2	--
Total PAH (16) (U = 1/2)	--	15206	13350	12033	14948	9492.2	--
Alkylated Polycyclic Aromatic Hydrocarbons (µg/kg)							
C1-Benzo(a)anthracenes/chrysenes	SW8270CMSIM	1020	853	766	1040	603	--
C1-Benzo(b)thiophenes	SW8270CMSIM	36.7	34.2	19.6	22.2	16.1	--
C1-Decalins	SW8270CMSIM	119	96.2	76.8	74.4	55	--
C1-Dibenzothiophenes	SW8270CMSIM	252	179	123	104	106	--
C1-Fluoranthenes/Pyrenes	SW8270CMSIM	1970	1580	1560	1910	1260	--
C1-Fluorenes	SW8270CMSIM	127	111	88.4	108	79.4	--
C1-Naphthalenes	SW8270CMSIM	217	195	134	146	119	--
C1-Phenanthrenes/Anthracenes	SW8270CMSIM	759	654	605	753	492	--
C2-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	773	678	624	741	436	--
C2-Benzo(b)thiophenes	SW8270CMSIM	33.7	30	17	21.6	14.3	--
C2-Decalins	SW8270CMSIM	341	297	253	265	186	--
C2-Dibenzothiophenes	SW8270CMSIM	326	274	236	254	194	--
C2-Fluorenes	SW8270CMSIM	282	244	221	267	179	--
C2-Naphthalenes	SW8270CMSIM	263	225	172	196	142	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2096	Spring Surface Sediment 2097	Spring Surface Sediment 2098	Spring Surface Sediment 2099	Spring Surface Sediment 2100	Spring Surface Sediment 2101
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.718028	0.718028	0.78	0.78	0.78	0.91
Location ID		NC081SG_20120712	NC081SG_20120712	NC024SG_20120419	NC025SG_20120421	NC026SG_20120419	NC027SG_20120506
Sample ID		NC081SG-000015-20120712	NC1081SG-000015-20120712	NC024SG-000015-20120419	NC025SG-000011-20120421	NC026SG-000015-20120419	NC027SG-000003-20120506
Sample Date		7/12/2012	7/12/2012	4/19/2012	4/21/2012	4/19/2012	5/6/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 11 cm	0 - 15 cm	0 - 3 cm
Water Column Depth		15	15	12	22.8	16.2	29.8
Sample Type		N	FD	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
C2-Phenanthrenes/Anthracenes	SW8270CMSIM	936	793	750	851	575	--
C3-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	625	594	507	579	344	--
C3-Benzo(b)thiophenes	SW8270CMSIM	58.9	54.9	32.5	56.3	24.8	--
C3-Decalins	SW8270CMSIM	335	301	245	287	184	--
C3-Dibenzothiophenes	SW8270CMSIM	358	309	289	301	230	--
C3-Fluorenes	SW8270CMSIM	440	368	363	415	282	--
C3-Naphthalenes	SW8270CMSIM	251	226	194	213	144	--
C3-Phenanthrenes/Anthracenes	SW8270CMSIM	672	556	623	650	445	--
C4-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	364	370	261	296	164	--
C4-Benzo(b)thiophenes	SW8270CMSIM	60.3	48.8	33.6	52.8	26.2	--
C4-Decalins	SW8270CMSIM	508	465	404	535	297	--
C4-Dibenzothiophenes	SW8270CMSIM	261	232	191	200	142	--
C4-Naphthalenes	SW8270CMSIM	276	242	235	250	161	--
C4-Phenanthrenes/Anthracenes	SW8270CMSIM	365	347	390	377	267	--
n-Alkanes and Isoprenoids (µg/kg)							
2,6,10-Trimethyldodecane	SW8015M	238 J	219 J	260 J	317 J	215 J	--
2,6,10-Trimethyltridecane	SW8015M	838 J	749 J	883 J	474 J	728 J	--
n-Decane (C10)	SW8015M	825 U	942 U	557 U	1080 U	540 U	--
n-Docosane (C22)	SW8015M	825 U	164 J	154 J	300 J	125 J	--
n-Dodecane (C12)	SW8015M	188 J	942 U	557 U	1080 U	540 U	--
n-Dotriacontane (C32)	SW8015M	673 J	651 J	503 J	2860	487 J	--
n-Eicosane (C20)	SW8015M	825 U	942 U	320 J	355 J	274 J	--
n-Heneicosane (C21)	SW8015M	280 J	299 J	443 J	324 J	411 J	--
n-Hentriacontane (C31)	SW8015M	3070	2960	2710	2050	2350	--
n-Heptacosane (C27)	SW8015M	2120	2090	1610	1920	1550	--
n-Heptadecane (C17)	SW8015M	578 J	526 J	527 J	547 J	478 J	--
n-Heptatriacontane (C37)	SW8015M	332 J	395 J	467 J	497 J	441 J	--
n-Hexacosane (C26)	SW8015M	760 J	869 J	680	657 J	509 J	--
n-Hexadecane (C16)	SW8015M	144 J	942 U	199 J	326 J	221 J	--
n-Hexatriacontane (C36)	SW8015M	759 J	678 J	1030	444 J	894	--
n-Nonacosane (C29)	SW8015M	4920	4730	1550	2480	1650	--
n-Nonadecane (C19)	SW8015M	272 J	942 U	243 J	277 J	211 J	--
n-Nonane (C9)	SW8015M	825 U	942 U	557 U	1080 U	540 U	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2096	Spring Surface Sediment 2097	Spring Surface Sediment 2098	Spring Surface Sediment 2099	Spring Surface Sediment 2100	Spring Surface Sediment 2101
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.718028	0.718028	0.78	0.78	0.78	0.91
Location ID		NC081SG_20120712	NC081SG_20120712	NC024SG_20120419	NC025SG_20120421	NC026SG_20120419	NC027SG_20120506
Sample ID		NC081SG-000015-20120712	NC1081SG-000015-20120712	NC024SG-000015-20120419	NC025SG-000011-20120421	NC026SG-000015-20120419	NC027SG-000003-20120506
Sample Date		7/12/2012	7/12/2012	4/19/2012	4/21/2012	4/19/2012	5/6/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 11 cm	0 - 15 cm	0 - 3 cm
Water Column Depth		15	15	12	22.8	16.2	29.8
Sample Type		N	FD	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
n-Nonatriacontane (C39)	SW8015M	515 J	523 J	645	799 J	921	--
n-Octacosane (C28)	SW8015M	344 J	516 J	495 J	896 J	417 J	--
n-Octadecane (C18)	SW8015M	966 J	871 J	1090 J	984 J	838 J	--
n-Octatriacontane (C38)	SW8015M	616 J	540 J	658	465 J	566	--
Norpristane	SW8015M	508 J	458 J	563	552 J	404 J	--
n-Pentacosane (C25)	SW8015M	2930 J	2600 J	2500 J	671 J	2000 J	--
n-Pentadecane (C15)	SW8015M	233 J	243 J	272 J	516 J	242 J	--
n-Pentatriacontane (C35)	SW8015M	784 J	683 J	654	985 J	573	--
n-Tetracontane (C40)	SW8015M	382 J	420 J	452 J	401 J	540	--
n-Tetracosane (C24)	SW8015M	825 U	942 U	223 J	276 J	229 J	--
n-Tetradecane (C14)	SW8015M	157 J	152 J	141 J	236 J	138 J	--
n-Tetratriacontane (C34)	SW8015M	1390	1310	439 J	931 J	511 J	--
n-Triacontane (C30)	SW8015M	643 J	656 J	690	1070 J	681	--
n-Tricosane (C23)	SW8015M	484 J	388 J	483 J	319 J	386 J	--
n-Tridecane (C13)	SW8015M	825 U	942 U	490 J	1080 U	157 J	--
n-Tritriacontane (C33)	SW8015M	3700	3410	3440	1450	2890	--
n-Undecane (C11)	SW8015M	825 U	942 U	557 U	1080 U	540 U	--
Pesticides (µg/kg)							
2,4'-DDD (o,p'-DDD)	SW8081A	0.57 J	2.5 U	2.1 J	0.25 UJ	1.1 J	--
2,4'-DDE (o,p'-DDE)	SW8081A	0.79 J	0.93 J	1.8	1.7 J	2	--
2,4'-DDT (o,p'-DDT)	SW8081A	2.4 U	2.5 U	0.27 U	0.25 UJ	0.28 U	--
4,4'-DDD (p,p'-DDD)	SW8081A	3.1	2.3 J	5.2 J	4.5 J	4.3 J	--
4,4'-DDE (p,p'-DDE)	SW8081A	3.8	4.7	6.8	5.7 J	5.9	--
4,4'-DDT (p,p'-DDT)	SW8081A	2.4 UJ	2.5 UJ	1.9 J	3 J	2 J	--
Aldrin	SW8081A	0.27 J	1.2 UJ	0.27 U	0.56 J	0.28 U	--
alpha-Hexachlorocyclohexane (BHC)	SW8081A	-- R	-- R	0.27 U	0.25 UJ	0.28 U	--
Chlordane, alpha- (cis-Chlordane)	SW8081A	2.1 J	1.8 J	2.9	2.6 J	1.9 J	--
Chlordane, beta- (trans-Chlordane)	SW8081A	19 J	15 J	0.27 U	0.25 UJ	0.28 U	--
delta-Hexachlorocyclohexane (BHC)	SW8081A	2.4 UJ	2.5 UJ	0.15 J	0.43 J	0.12 J	--
Dieldrin	SW8081A	2.4 U	2.5 U	0.85	0.77 J	0.57	--
Endosulfan sulfate	SW8081A	2.4 U	2.5 U	0.27 UJ	0.4 J	0.28 U	--
Endosulfan-alpha (I)	SW8081A	2.4 UJ	2.5 UJ	0.27 U	0.25 UJ	0.28 U	--
Endosulfan-beta (II)	SW8081A	0.7 J	0.67 J	0.27 U	0.087 J	0.28 U	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2096	Spring Surface Sediment 2097	Spring Surface Sediment 2098	Spring Surface Sediment 2099	Spring Surface Sediment 2100	Spring Surface Sediment 2101
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	0.718028	0.718028	0.78	0.78	0.78	0.91
		Location ID	NC081SG_20120712	NC081SG_20120712	NC024SG_20120419	NC025SG_20120421	NC026SG_20120419	NC027SG_20120506
		Sample ID	NC081SG-000015-20120712	NC1081SG-000015-20120712	NC024SG-000015-20120419	NC025SG-000011-20120421	NC026SG-000015-20120419	NC027SG-000003-20120506
		Sample Date	7/12/2012	7/12/2012	4/19/2012	4/21/2012	4/19/2012	5/6/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 11 cm	0 - 15 cm	0 - 3 cm
		Water Column Depth	15	15	12	22.8	16.2	29.8
		Sample Type	N	FD	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
Endrin	SW8081A		2.4 U	2.5 U	0.36 J	0.84 J	0.19 J	--
Endrin aldehyde	SW8081A		2.4 UJ	2.5 UJ	0.078 J	0.25 UJ	0.14 J	--
Endrin ketone	SW8081A		1.5 J	2.5 UJ	-- R	0.73 J	-- R	--
Heptachlor	SW8081A		1.2 UJ	1.2 UJ	0.27 U	0.25 UJ	0.28 U	--
Heptachlor epoxide	SW8081A		2.4 UJ	2.5 UJ	0.33 J	0.38 J	0.31 J	--
Hexachlorobenzene	SW8081A		0.25 J	0.27 J	0.29 J	0.19 J	0.28	--
Hexachlorocyclohexane, beta- (BHC)	SW8081A		2.4 UJ	2.5 UJ	0.27 U	0.25 UJ	0.28 U	--
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	SW8081A		2.4 UJ	2.5 UJ	0.16 J	0.25 UJ	0.11 J	--
Methoxychlor	SW8081A		4.8 U	4.9 U	0.54 U	1 J	0.51 J	--
Mirex	SW8081A		1.2 U	0.32 J	0.27 U	0.064 J	0.28 U	--
Nonachlor, cis-	SW8081A		0.32 J	2.5 U	0.63 J	0.54 J	0.8 J	--
Nonachlor, trans-	SW8081A		2.4 U	2.5 U	0.27 U	0.25 UJ	0.28 U	--
Oxychlordane	SW8081A		0.42 J	2.5 UJ	0.21 J	0.5 J	0.19 J	--
Sum DDD (U = 0)	--		3.67 J	2.3 J	7.3 J	4.5 J	5.4 J	--
Sum DDD (U = 1/2)	--		3.67 J	3.5 J	7.3 J	4.63 J	5.4 J	--
Sum DDE (U = 0)	--		4.59 J	5.63 J	8.6	7.4 J	7.9	--
Sum DDE (U = 1/2)	--		4.59 J	5.63 J	8.6	7.4 J	7.9	--
Sum DDT (U = 0)	--		2.4 UJ	2.5 UJ	1.9 J	3 J	2 J	--
Sum DDT (U = 1/2)	--		2.4 UJ	2.5 UJ	2.04 J	3.13 J	2.14 J	--
Total chlordane (U = 0)	--		21.84 J	16.8 J	3.74 J	3.64 J	2.89 J	--
Total chlordane (U = 1/2)	--		23.04 J	20.6 J	4.01 J	3.89 J	3.17 J	--
Total DDx (U = 0)	--		8.26 J	7.93 J	17.8 J	14.9 J	15.3 J	--
Total DDx (U = 1/2)	--		10.66 J	11.68 J	17.94 J	15.15 J	15.44 J	--
Toxaphene	SW8081A		96 U	98 U	11 U	10 UJ	11 U	--
Pesticides - High Resolution (µg/kg)								
2,4'-DDD (o,p'-DDD)	E1699		2.4	2.1	--	--	--	--
2,4'-DDE (o,p'-DDE)	E1699		0.88	0.82	--	--	--	--
2,4'-DDT (o,p'-DDT)	E1699		0.21 J	0.23 J	--	--	--	--
4,4'-DDD (p,p'-DDD)	E1699		8.2	8.4	--	--	--	--
4,4'-DDE (p,p'-DDE)	E1699		12	11	--	--	--	--
4,4'-DDT (p,p'-DDT)	E1699		1.3	14 J	--	--	--	--
Aldrin	E1699		0.06 J	0.11 J	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2096	Spring Surface Sediment 2097	Spring Surface Sediment 2098	Spring Surface Sediment 2099	Spring Surface Sediment 2100	Spring Surface Sediment 2101
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	0.718028	0.718028	0.78	0.78	0.78	0.91
		Location ID	NC081SG_20120712	NC081SG_20120712	NC024SG_20120419	NC025SG_20120421	NC026SG_20120419	NC027SG_20120506
		Sample ID	NC081SG-000015-20120712	NC1081SG-000015-20120712	NC024SG-000015-20120419	NC025SG-000011-20120421	NC026SG-000015-20120419	NC027SG-000003-20120506
		Sample Date	7/12/2012	7/12/2012	4/19/2012	4/21/2012	4/19/2012	5/6/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 11 cm	0 - 15 cm	0 - 3 cm
		Water Column Depth	15	15	12	22.8	16.2	29.8
		Sample Type	N	FD	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
alpha-Hexachlorocyclohexane (BHC)	E1699		0.11 J	0.078 J	--	--	--	--
Chlordane, alpha- (cis-Chlordane)	E1699		3.9	3.5	--	--	--	--
Chlordane, beta- (trans-Chlordane)	E1699		4.3	4	--	--	--	--
delta-Hexachlorocyclohexane (BHC)	E1699		0.027 U	0.036 U	--	--	--	--
Dieldrin	E1699		1.6	1.5	--	--	--	--
Endosulfan sulfate	E1699		0.042 J	0.045 J	--	--	--	--
Endosulfan-alpha (I)	E1699		0.14 U	0.17 U	--	--	--	--
Endosulfan-beta (II)	E1699		0.22 U	0.24 U	--	--	--	--
Endrin	E1699		0.096 U	0.1 U	--	--	--	--
Endrin aldehyde	E1699		0.064 U	0.054 U	--	--	--	--
Endrin ketone	E1699		0.087 U	0.073 U	--	--	--	--
Heptachlor	E1699		0.0097 U	0.014 J	--	--	--	--
Heptachlor epoxide	E1699		0.1 J	0.098 J	--	--	--	--
Hexachlorobenzene	E1699		0.64	0.63	--	--	--	--
Hexachlorocyclohexane, beta- (BHC)	E1699		0.1 J	0.065 J	--	--	--	--
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	E1699		0.054 J	0.04 UJ	--	--	--	--
Methoxychlor	E1699		0.16 U	0.27 UJ	--	--	--	--
Mirex	E1699		0.16 J	0.19 J	--	--	--	--
Nonachlor, cis-	E1699		1.2	1.1	--	--	--	--
Nonachlor, trans-	E1699		2.5	2.2	--	--	--	--
Oxychlordane	E1699		0.037 J	0.037 J	--	--	--	--
Sum DDD high resolution (U = 0)	--		10.6	10.5	--	--	--	--
Sum DDD high resolution (U = 1/2)	--		10.6	10.5	--	--	--	--
Sum DDE high resolution (U = 0)	--		12.88	11.82	--	--	--	--
Sum DDE high resolution (U = 1/2)	--		12.88	11.82	--	--	--	--
Sum DDT high resolution (U = 0)	--		1.51 J	14.23 J	--	--	--	--
Sum DDT high resolution (U = 1/2)	--		1.51 J	14.23 J	--	--	--	--
Total chlordane high resolution (U = 0)	--		11.937 J	10.837 J	--	--	--	--
Total chlordane high resolution (U = 1/2)	--		11.937 J	10.837 J	--	--	--	--
Total DDx high resolution (U = 0)	--		24.99 J	36.55 J	--	--	--	--
Total DDx high resolution (U = 1/2)	--		24.99 J	36.55 J	--	--	--	--
Toxaphene	E1699		9.4 U	16 U	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2096	Spring Surface Sediment 2097	Spring Surface Sediment 2098	Spring Surface Sediment 2099	Spring Surface Sediment 2100	Spring Surface Sediment 2101
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.718028	0.718028	0.78	0.78	0.78	0.91
Location ID		NC081SG_20120712	NC081SG_20120712	NC024SG_20120419	NC025SG_20120421	NC026SG_20120419	NC027SG_20120506
Sample ID		NC081SG-000015-20120712	NC1081SG-000015-20120712	NC024SG-000015-20120419	NC025SG-000011-20120421	NC026SG-000015-20120419	NC027SG-000003-20120506
Sample Date		7/12/2012	7/12/2012	4/19/2012	4/21/2012	4/19/2012	5/6/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 11 cm	0 - 15 cm	0 - 3 cm
Water Column Depth		15	15	12	22.8	16.2	29.8
Sample Type		N	FD	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Herbicides (µg/kg)							
2,2-Dichloropropionic acid (dalapon)	SW8151A	260 U	270 U	290 U	270 UJ	300 U	--
2,4,5-T (2,4,5-trichlorophenoxyacetic acid)	SW8151A	57 U	59 U	65 U	60 U	67 U	--
2,4,5-TP (Silvex)	SW8151A	57 U	59 U	65 U	60 U	67 U	--
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	230 U	240 U	260 U	240 U	270 U	--
2,4-DB (2,4-D derivative)	SW8151A	230 U	240 UJ	260 U	240 U	270 U	--
Dicamba	SW8151A	110 U	120 U	130 U	120 U	130 U	--
Dichlorprop	SW8151A	230 U	240 U	260 U	240 U	270 U	--
Dinoseb	SW8151A	34 UJ	36 UJ	39 UJ	36 UJ	40 UJ	--
Mecoprop (MCP)	SW8151A	23000 U	24000 U	26000 U	24000 U	27000 U	--
Mephanac (MCPA)	SW8151A	23000 U	24000 U	26000 U	24000 U	27000 U	--
Dioxin Furans (ng/kg)							
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	7.41	6.54	--	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	7.95	7.71	--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	13.2	12.2	--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	32.4	31.9	--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	27.6	26.1	--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B	483	444	--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B	4360	4090	--	--	--	--
Total tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	132 J	110 J	--	--	--	--
Total pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	136 J	113	--	--	--	--
Total hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	382	361 J	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2096	Spring Surface Sediment 2097	Spring Surface Sediment 2098	Spring Surface Sediment 2099	Spring Surface Sediment 2100	Spring Surface Sediment 2101
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	0.718028	0.718028	0.78	0.78	0.78	0.91
		Location ID	NC081SG_20120712	NC081SG_20120712	NC024SG_20120419	NC025SG_20120421	NC026SG_20120419	NC027SG_20120506
		Sample ID	NC081SG-000015-20120712	NC1081SG-000015-20120712	NC024SG-000015-20120419	NC025SG-000011-20120421	NC026SG-000015-20120419	NC027SG-000003-20120506
		Sample Date	7/12/2012	7/12/2012	4/19/2012	4/21/2012	4/19/2012	5/6/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 11 cm	0 - 15 cm	0 - 3 cm
		Water Column Depth	15	15	12	22.8	16.2	29.8
		Sample Type	N	FD	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
Total heptachlorodibenzo-p-dioxin (HpCDD)	E1613B		1100	983	--	--	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B		28.5	23.5	--	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B		17.6	17.7	--	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B		26.9	23.8	--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B		49.4	47.6	--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B		30.2	30.8	--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B		1.5 U	0.96 U	--	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B		27.8	28.6	--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B		322	313	--	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B		16.1	16	--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B		305	296	--	--	--	--
Total tetrachlorodibenzofuran (TCDF)	E1613B		435 J	385 J	--	--	--	--
Total pentachlorodibenzofuran (PeCDF)	E1613B		350 J	304 J	--	--	--	--
Total hexachlorodibenzofuran (HxCDF)	E1613B		388 J	366	--	--	--	--
Total heptachlorodibenzofuran (HpCDF)	E1613B		518	489	--	--	--	--
Total dioxin/furan TEQ 1998 (avian) (U = 0)	--		91.33	81.732	--	--	--	--
Total dioxin/furan TEQ 1998 (avian) (U = 1/2)	--		91.41	81.78	--	--	--	--
Total dioxin/furan TEQ 1998 (fish) (U = 0)	--		53.39	49.763	--	--	--	--
Total dioxin/furan TEQ 1998 (fish) (U = 1/2)	--		53.46	49.811	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2096	Spring Surface Sediment 2097	Spring Surface Sediment 2098	Spring Surface Sediment 2099	Spring Surface Sediment 2100	Spring Surface Sediment 2101
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.718028	0.718028	0.78	0.78	0.78	0.91
Location ID		NC081SG_20120712	NC081SG_20120712	NC024SG_20120419	NC025SG_20120421	NC026SG_20120419	NC027SG_20120506
Sample ID		NC081SG-000015-20120712	NC1081SG-000015-20120712	NC024SG-000015-20120419	NC025SG-000011-20120421	NC026SG-000015-20120419	NC027SG-000003-20120506
Sample Date		7/12/2012	7/12/2012	4/19/2012	4/21/2012	4/19/2012	5/6/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 11 cm	0 - 15 cm	0 - 3 cm
Water Column Depth		15	15	12	22.8	16.2	29.8
Sample Type		N	FD	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total dioxin/furan TEQ 2005 (mammal) (U = 0)	--	54.48	51.037	--	--	--	--
Total dioxin/furan TEQ 2005 (mammal) (U = 1/2)	--	54.55	51.085	--	--	--	--
PCB Aroclors (µg/kg)							
Aroclor 1016	SW8082A	12 U	12 U	6.7 U	6.3 U	7 U	--
Aroclor 1221	SW8082A	12 U	12 U	6.7 U	6.3 U	7 U	--
Aroclor 1232	SW8082A	12 U	12 U	6.7 U	6.3 U	7 U	--
Aroclor 1242	SW8082A	81	100	210	270 J	250	--
Aroclor 1248	SW8082A	12 U	12 U	6.7 U	6.3 U	7 U	--
Aroclor 1254	SW8082A	120	160	230	270 J	210	--
Aroclor 1260	SW8082A	12 U	12 U	6.7 U	6.3 U	7 U	--
Aroclor 1262	SW8082A	12 U	12 U	6.7 U	6.3 U	7 U	--
Aroclor 1268	SW8082A	12 U	12 U	6.7 U	6.3 U	7 U	--
Total PCB Aroclors (U = 0)	--	201	260	440	540 J	460	--
Total PCB Aroclors (U = 1/2)	--	243	302	463.4	562 J	484.5	--
PCB Congeners (ng/kg)							
PCB-001	E1668B	5210	4880	--	--	--	--
PCB-002	E1668B	526	475	--	--	--	--
PCB-003	E1668B	2500	2420	--	--	--	--
PCB-004	E1668B	8640	8190	--	--	--	--
PCB-005	E1668B	93.7	90.1	--	--	--	--
PCB-006	E1668B	4390	4470	--	--	--	--
PCB-007	E1668B	326	344	--	--	--	--
PCB-008	E1668B	13000	12800	--	--	--	--
PCB-009	E1668B	601	620	--	--	--	--
PCB-010	E1668B	1070	1030	--	--	--	--
PCB-011	E1668B	3290	3340	--	--	--	--
PCB-012/013	E1668B	4220	4230	--	--	--	--
PCB-014	E1668B	7.93 J	7.78 J	--	--	--	--
PCB-015	E1668B	28400	27600	--	--	--	--
PCB-016	E1668B	4750	4580	--	--	--	--
PCB-017	E1668B	10300	9840	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2096	Spring Surface Sediment 2097	Spring Surface Sediment 2098	Spring Surface Sediment 2099	Spring Surface Sediment 2100	Spring Surface Sediment 2101
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	0.718028	0.718028	0.78	0.78	0.78	0.91
		Location ID	NC081SG_20120712	NC081SG_20120712	NC024SG_20120419	NC025SG_20120421	NC026SG_20120419	NC027SG_20120506
		Sample ID	NC081SG-000015-20120712	NC1081SG-000015-20120712	NC024SG-000015-20120419	NC025SG-000011-20120421	NC026SG-000015-20120419	NC027SG-000003-20120506
		Sample Date	7/12/2012	7/12/2012	4/19/2012	4/21/2012	4/19/2012	5/6/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 11 cm	0 - 15 cm	0 - 3 cm
		Water Column Depth	15	15	12	22.8	16.2	29.8
		Sample Type	N	FD	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-018/030	E1668B	13500	13100	--	--	--	--	--
PCB-019	E1668B	2060	1880	--	--	--	--	--
PCB-020/028	E1668B	49500	48800	--	--	--	--	--
PCB-021/033	E1668B	8370	8310	--	--	--	--	--
PCB-022	E1668B	9310	9110	--	--	--	--	--
PCB-023	E1668B	24.5	24.5	--	--	--	--	--
PCB-024	E1668B	170	169	--	--	--	--	--
PCB-025	E1668B	6570	6630	--	--	--	--	--
PCB-026/029	E1668B	11400	11500	--	--	--	--	--
PCB-027	E1668B	2690	2530	--	--	--	--	--
PCB-031	E1668B	36400	36200	--	--	--	--	--
PCB-032	E1668B	7280	6810	--	--	--	--	--
PCB-034	E1668B	308	309	--	--	--	--	--
PCB-035	E1668B	977	1030	--	--	--	--	--
PCB-036	E1668B	63.7	54.6	--	--	--	--	--
PCB-037	E1668B	16600	16300	--	--	--	--	--
PCB-038	E1668B	11.2 U	10.1 U	--	--	--	--	--
PCB-039	E1668B	218	213	--	--	--	--	--
PCB-040/071	E1668B	13200	14100	--	--	--	--	--
PCB-041	E1668B	1540	1300	--	--	--	--	--
PCB-042	E1668B	7540	8190	--	--	--	--	--
PCB-043	E1668B	937	955	--	--	--	--	--
PCB-044/047/065	E1668B	27600	29100	--	--	--	--	--
PCB-045	E1668B	2840	2970	--	--	--	--	--
PCB-045/051	E1668B	--	--	--	--	--	--	--
PCB-046	E1668B	1200	1310	--	--	--	--	--
PCB-048	E1668B	4250	4390	--	--	--	--	--
PCB-049/069	E1668B	19800	20700	--	--	--	--	--
PCB-050/053	E1668B	3530	3770	--	--	--	--	--
PCB-051	E1668B	1440	1640	--	--	--	--	--
PCB-052	E1668B	29100	30700	--	--	--	--	--
PCB-054	E1668B	75.7	72.9	--	--	--	--	--
PCB-055	E1668B	9.89 U	9.55 U	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2096	Spring Surface Sediment 2097	Spring Surface Sediment 2098	Spring Surface Sediment 2099	Spring Surface Sediment 2100	Spring Surface Sediment 2101
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	0.718028	0.718028	0.78	0.78	0.78	0.91
		Location ID	NC081SG_20120712	NC081SG_20120712	NC024SG_20120419	NC025SG_20120421	NC026SG_20120419	NC027SG_20120506
		Sample ID	NC081SG-000015-20120712	NC1081SG-000015-20120712	NC024SG-000015-20120419	NC025SG-000011-20120421	NC026SG-000015-20120419	NC027SG-000003-20120506
		Sample Date	7/12/2012	7/12/2012	4/19/2012	4/21/2012	4/19/2012	5/6/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 11 cm	0 - 15 cm	0 - 3 cm
		Water Column Depth	15	15	12	22.8	16.2	29.8
		Sample Type	N	FD	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-056	E1668B		11400	11500	--	--	--	--
PCB-057	E1668B		244	179	--	--	--	--
PCB-058	E1668B		132	157	--	--	--	--
PCB-059/062/075	E1668B		2420	2440	--	--	--	--
PCB-060	E1668B		4800	4910	--	--	--	--
PCB-061/070/074/076	E1668B		41700	42500	--	--	--	--
PCB-063	E1668B		1320	1330	--	--	--	--
PCB-064	E1668B		9500	10000	--	--	--	--
PCB-066	E1668B		29000	30400	--	--	--	--
PCB-067	E1668B		1040	1080	--	--	--	--
PCB-068	E1668B		365	374	--	--	--	--
PCB-072	E1668B		558	581	--	--	--	--
PCB-073	E1668B		112 J	3.52 U	--	--	--	--
PCB-077	E1668B		3890	3910	--	--	--	--
PCB-078	E1668B		15	10 U	--	--	--	--
PCB-079	E1668B		218	8.35 U	--	--	--	--
PCB-080	E1668B		8.62 U	8.33 U	--	--	--	--
PCB-081	E1668B		107	9.49 U	--	--	--	--
PCB-082	E1668B		2550	57.4 U	--	--	--	--
PCB-083	E1668B		1370	1380	--	--	--	--
PCB-084	E1668B		5500	5930	--	--	--	--
PCB-085/116	E1668B		3020	3430	--	--	--	--
PCB-085/116/117	E1668B		--	--	--	--	--	--
PCB-086/087/097/108/119/125	E1668B		14100	14200	--	--	--	--
PCB-088	E1668B		51.1 U	52.4 U	--	--	--	--
PCB-088/091	E1668B		--	--	--	--	--	--
PCB-089	E1668B		240	262	--	--	--	--
PCB-090/101/113	E1668B		23200	23800	--	--	--	--
PCB-091	E1668B		3680	3720	--	--	--	--
PCB-092	E1668B		4690	4770	--	--	--	--
PCB-093/100	E1668B		538	443	--	--	--	--
PCB-094	E1668B		220	233	--	--	--	--
PCB-095	E1668B		16200	16800	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2096	Spring Surface Sediment 2097	Spring Surface Sediment 2098	Spring Surface Sediment 2099	Spring Surface Sediment 2100	Spring Surface Sediment 2101
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	0.718028	0.718028	0.78	0.78	0.78	0.91
		Location ID	NC081SG_20120712	NC081SG_20120712	NC024SG_20120419	NC025SG_20120421	NC026SG_20120419	NC027SG_20120506
		Sample ID	NC081SG-000015-20120712	NC1081SG-000015-20120712	NC024SG-000015-20120419	NC025SG-000011-20120421	NC026SG-000015-20120419	NC027SG-000003-20120506
		Sample Date	7/12/2012	7/12/2012	4/19/2012	4/21/2012	4/19/2012	5/6/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 11 cm	0 - 15 cm	0 - 3 cm
		Water Column Depth	15	15	12	22.8	16.2	29.8
		Sample Type	N	FD	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-096	E1668B		162	163	--	--	--	--
PCB-098	E1668B		53.7 U	55 U	--	--	--	--
PCB-098/102	E1668B		--	--	--	--	--	--
PCB-099	E1668B		12600	12900	--	--	--	--
PCB-102	E1668B		907	1070	--	--	--	--
PCB-103	E1668B		400	414	--	--	--	--
PCB-104	E1668B		14.6	15.4	--	--	--	--
PCB-105	E1668B		7550	7600	--	--	--	--
PCB-106	E1668B		37.7 U	38.7 U	--	--	--	--
PCB-107/124	E1668B		690	662	--	--	--	--
PCB-109	E1668B		1650	1710	--	--	--	--
PCB-110	E1668B		27300	29300	--	--	--	--
PCB-110/115	E1668B		--	--	--	--	--	--
PCB-111	E1668B		33.9 U	34.8 U	--	--	--	--
PCB-112	E1668B		58.7	36.3 U	--	--	--	--
PCB-114	E1668B		377	365	--	--	--	--
PCB-115	E1668B		32.6 U	33.4 U	--	--	--	--
PCB-117	E1668B		941	43.4 U	--	--	--	--
PCB-118	E1668B		19400	19800	--	--	--	--
PCB-120	E1668B		125	34.4 U	--	--	--	--
PCB-121	E1668B		32.7 U	33.5 U	--	--	--	--
PCB-122	E1668B		228	213	--	--	--	--
PCB-123	E1668B		338	268	--	--	--	--
PCB-126	E1668B		101	70	--	--	--	--
PCB-127	E1668B		35.1 U	34.3 U	--	--	--	--
PCB-128/166	E1668B		3080	3140	--	--	--	--
PCB-129/138/163	E1668B		23100	22200	--	--	--	--
PCB-130	E1668B		1330	1290	--	--	--	--
PCB-131	E1668B		230	233	--	--	--	--
PCB-132	E1668B		6520	6300	--	--	--	--
PCB-133	E1668B		371	364	--	--	--	--
PCB-134	E1668B		1200	969	--	--	--	--
PCB-135/151	E1668B		7370	7170	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2096	Spring Surface Sediment 2097	Spring Surface Sediment 2098	Spring Surface Sediment 2099	Spring Surface Sediment 2100	Spring Surface Sediment 2101
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	0.718028	0.718028	0.78	0.78	0.78	0.91
		Location ID	NC081SG_20120712	NC081SG_20120712	NC024SG_20120419	NC025SG_20120421	NC026SG_20120419	NC027SG_20120506
		Sample ID	NC081SG-000015-20120712	NC1081SG-000015-20120712	NC024SG-000015-20120419	NC025SG-000011-20120421	NC026SG-000015-20120419	NC027SG-000003-20120506
		Sample Date	7/12/2012	7/12/2012	4/19/2012	4/21/2012	4/19/2012	5/6/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 11 cm	0 - 15 cm	0 - 3 cm
		Water Column Depth	15	15	12	22.8	16.2	29.8
		Sample Type	N	FD	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-136	E1668B		2620	2600	--	--	--	--
PCB-137	E1668B		692	605	--	--	--	--
PCB-139/140	E1668B		325	316	--	--	--	--
PCB-141	E1668B		3420	3250	--	--	--	--
PCB-142	E1668B		2.97 U	3.07 U	--	--	--	--
PCB-143	E1668B		2.61 U	2.7 U	--	--	--	--
PCB-144	E1668B		921	900	--	--	--	--
PCB-145	E1668B		1.88 U	1.94 U	--	--	--	--
PCB-146	E1668B		3410	3300	--	--	--	--
PCB-147/149	E1668B		18000	17500	--	--	--	--
PCB-148	E1668B		61.1	59.5	--	--	--	--
PCB-150	E1668B		86.5	90.4	--	--	--	--
PCB-152	E1668B		24.1	23.2	--	--	--	--
PCB-153/168	E1668B		18100	17400	--	--	--	--
PCB-154	E1668B		557	548	--	--	--	--
PCB-155	E1668B		23.3	20.8	--	--	--	--
PCB-156/157	E1668B		2410	2400	--	--	--	--
PCB-158	E1668B		1980	1910	--	--	--	--
PCB-159	E1668B		187	177	--	--	--	--
PCB-160	E1668B		2.2 U	2.27 U	--	--	--	--
PCB-161	E1668B		2.06 U	2.14 U	--	--	--	--
PCB-162	E1668B		67.4	142	--	--	--	--
PCB-164	E1668B		1360	1350	--	--	--	--
PCB-165	E1668B		2.25 U	18.3	--	--	--	--
PCB-167	E1668B		856	835	--	--	--	--
PCB-169	E1668B		11.8 U	35.6	--	--	--	--
PCB-170	E1668B		5510	5570	--	--	--	--
PCB-171/173	E1668B		1880	1820	--	--	--	--
PCB-172	E1668B		986	1000	--	--	--	--
PCB-174	E1668B		5880	5970	--	--	--	--
PCB-175	E1668B		292	280	--	--	--	--
PCB-176	E1668B		750	756	--	--	--	--
PCB-177	E1668B		4060	3960	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2096	Spring Surface Sediment 2097	Spring Surface Sediment 2098	Spring Surface Sediment 2099	Spring Surface Sediment 2100	Spring Surface Sediment 2101
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	0.718028	0.718028	0.78	0.78	0.78	0.91
		Location ID	NC081SG_20120712	NC081SG_20120712	NC024SG_20120419	NC025SG_20120421	NC026SG_20120419	NC027SG_20120506
		Sample ID	NC081SG-000015-20120712	NC1081SG-000015-20120712	NC024SG-000015-20120419	NC025SG-000011-20120421	NC026SG-000015-20120419	NC027SG-000003-20120506
		Sample Date	7/12/2012	7/12/2012	4/19/2012	4/21/2012	4/19/2012	5/6/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 11 cm	0 - 15 cm	0 - 3 cm
		Water Column Depth	15	15	12	22.8	16.2	29.8
		Sample Type	N	FD	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-178	E1668B		1580	1600	--	--	--	--
PCB-179	E1668B		3060	3020	--	--	--	--
PCB-180/193	E1668B		14000	13900	--	--	--	--
PCB-181	E1668B		7.18 U	47.2	--	--	--	--
PCB-182	E1668B		50.6	42.2 J	--	--	--	--
PCB-183	E1668B		3880	4170	--	--	--	--
PCB-183/185	E1668B		--	--	--	--	--	--
PCB-184	E1668B		21.8	19.6	--	--	--	--
PCB-185	E1668B		569	5.99 U	--	--	--	--
PCB-186	E1668B		1.99 U	1.58 U	--	--	--	--
PCB-187	E1668B		9580	9280	--	--	--	--
PCB-188	E1668B		36.4 J	39.8	--	--	--	--
PCB-189	E1668B		226	224	--	--	--	--
PCB-190	E1668B		1140	1110	--	--	--	--
PCB-191	E1668B		227	226	--	--	--	--
PCB-192	E1668B		6.71 U	4.81 U	--	--	--	--
PCB-194	E1668B		4380	4730	--	--	--	--
PCB-195	E1668B		1440	1580	--	--	--	--
PCB-196	E1668B		1850	1990	--	--	--	--
PCB-197	E1668B		132	123	--	--	--	--
PCB-197/200	E1668B		--	--	--	--	--	--
PCB-198/199	E1668B		4950	4990	--	--	--	--
PCB-200	E1668B		373	375	--	--	--	--
PCB-201	E1668B		584	610	--	--	--	--
PCB-202	E1668B		1570	1560	--	--	--	--
PCB-203	E1668B		2970	3020	--	--	--	--
PCB-204	E1668B		2.37 U	2.68 U	--	--	--	--
PCB-205	E1668B		168	176	--	--	--	--
PCB-206	E1668B		4390	3940	--	--	--	--
PCB-207	E1668B		400	380	--	--	--	--
PCB-208	E1668B		1570	1410	--	--	--	--
PCB-209	E1668B		3500	3730	--	--	--	--
Total PCB congener (U = 0)	--		801097.03 J	802759.88 J	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2096	Spring Surface Sediment 2097	Spring Surface Sediment 2098	Spring Surface Sediment 2099	Spring Surface Sediment 2100	Spring Surface Sediment 2101
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.718028	0.718028	0.78	0.78	0.78	0.91
Location ID		NC081SG_20120712	NC081SG_20120712	NC024SG_20120419	NC025SG_20120421	NC026SG_20120419	NC027SG_20120506
Sample ID		NC081SG-000015-20120712	NC1081SG-000015-20120712	NC024SG-000015-20120419	NC025SG-000011-20120421	NC026SG-000015-20120419	NC027SG-000003-20120506
Sample Date		7/12/2012	7/12/2012	4/19/2012	4/21/2012	4/19/2012	5/6/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 11 cm	0 - 15 cm	0 - 3 cm
Water Column Depth		15	15	12	22.8	16.2	29.8
Sample Type		N	FD	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total PCB congener (U = 1/2)	--	801272.29 J	803029.94 J	--	--	--	--
Total PCB congener TEQ 1998 (avian) (U = 0)	--	216.5	203.78	--	--	--	--
Total PCB congener TEQ 1998 (avian) (U = 1/2)	--	216.5	204.26	--	--	--	--
Total PCB congener TEQ 1998 (fish) (U = 0)	--	1.1	0.9	--	--	--	--
Total PCB congener TEQ 1998 (fish) (U = 1/2)	--	1.1	0.9	--	--	--	--
Total PCB congener TEQ 2005 (mammal) (U = 0)	--	11.5	9.4	--	--	--	--
Total PCB congener TEQ 2005 (mammal) (U = 1/2)	--	11.6	9.41	--	--	--	--
Total Petroleum Hydrocarbons (mg/kg)							
Diesel range organics (C10 - C28)	SW8015M	1070	989	986	1170	753	--
Phytane	SW8015M	0.978 J	0.816 J	1.03 J	1.27	0.796 J	--
Pristane	SW8015M	0.717 J	0.773 J	0.915	1.05 J	0.704	--
Total petroleum hydrocarbons (C9-C40)	SW8015M	2110	2000	1850	2380	1430	--
Radionuclides (pci/g)							
Beryllium 7	HASL300	--	--	--	--	--	0.392 U

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2102	Spring Surface Sediment 2103	Spring Surface Sediment 2104	Spring Surface Sediment 2105	Spring Surface Sediment 2106	Spring Surface Sediment 2107
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.91	0.93	0.978927	1.01	1.07	1.07
Location ID		NC027SG_20120506	NC028SG_20120506	NC082SG_20120712	NC029SG_20120424	NC030SG_20120501	NC031SG_20120501
Sample ID		NC027SG-000010-20120506	NC028SG-000012-20120506	NC082SG-000015-20120712	NC029SG-000015-20120424	NC030SG-000015-20120501	NC031SG-000015-20120501
Sample Date		5/6/2012	5/6/2012	7/12/2012	4/24/2012	5/1/2012	5/1/2012
Sample Depth		0 - 10 cm	0 - 12 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		29.8	27.8	29.9	15.4	21.3	25.8
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Conventional Parameters (lb/ft³)							
Density	D7263	31.8	30.9	39.8	26	25.6	35
Conventional Parameters (mg/kg)							
Ammonia as nitrogen	SM4500NH3H	22	48	39 J	38	23 U	32
Cyanide, total	SW9012A	2.8 U	2.6 U	1.4 J	3 U	3.1 U	3.3 U
Nitrate + nitrite as nitrogen	SM4500NO3F	5.3 J	5 J	5.9 U	7.6 U	9.4	9.1
Nitrogen ((No Suggestions))	SM4500NORGC	3700	3800	1700	3400 J	3900 J	3600 J
Phosphorus	SM4500PE	1700 J	1600 J	1600 J	1100 J	1600	1500
Sulfide	SW9030B	3800 J	1600 J	7400	860 J	2400	4900
Conventional Parameters (pct)							
Moisture (water) content	D2216	154.3	164	--	199.9	--	--
Moisture, percent	D2216	--	62.7	--	69.8	--	--
Soot carbon	SOOTC	0.172	0.166	1.1 J	0.348 J	0.176	0.066
Total organic carbon	SW9060	4.005	2.94	6.46 J	3.385 J	2.95	3.245
Total solids	SM2540G	35.7	36.8	42.7	32.2	30.1	28.6
Conventional Parameters (SU)							
pH	SW9045C	7.8	7.5	8.1	7.6	8	7.9
Conventional Parameters (unitless)							
Liquid limit	D4318	124	119	--	144	--	--
Plastic limit	D4318	44	47	--	41	--	--
Plasticity index	D4318	80	72	--	103	--	--
Specific gravity	D854	2.56	2.42	--	2.57	--	--
Grain Size (pct)							
Cobbles	D422	0	0	0	0	0	0
Gravel	D422	1.2	0.9	13.2	0.1	0	4.8
Sand	D422	12.2	12.9	29.4	2.1	7.1	3.7
Fines (silt + clay)	D422	86.6	86.2	57.4	97.8	92.9	91.5
Percent passing 0.375 inch (3/8 inch sieve)	D422	100	100	89	100	100	97
Percent passing 0.5 inch (1/2 inch sieve)	D422	--	--	91	--	--	100
Percent passing 0.75 inch (3/4 inch sieve)	D422	--	--	100	--	--	--
Percent passing 1 inch (1 inch sieve)	D422	--	--	--	--	--	--
Percent passing 75 micron sieve (#200)	D422	87	86	57	98	93	92
Percent passing 150 micron sieve (#100)	D422	88	88	61	99	95	93

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2102	Spring Surface Sediment 2103	Spring Surface Sediment 2104	Spring Surface Sediment 2105	Spring Surface Sediment 2106	Spring Surface Sediment 2107
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.91	0.93	0.978927	1.01	1.07	1.07
Location ID		NC027SG_20120506	NC028SG_20120506	NC082SG_20120712	NC029SG_20120424	NC030SG_20120501	NC031SG_20120501
Sample ID		NC027SG-000010-20120506	NC028SG-000012-20120506	NC082SG-000015-20120712	NC029SG-000015-20120424	NC030SG-000015-20120501	NC031SG-000015-20120501
Sample Date		5/6/2012	5/6/2012	7/12/2012	4/24/2012	5/1/2012	5/1/2012
Sample Depth		0 - 10 cm	0 - 12 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		29.8	27.8	29.9	15.4	21.3	25.8
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Percent passing 250 micron sieve (#60)	D422	91	90	65	99	97	94
Percent passing 425 micron sieve (#40)	D422	94	94	70	99	99	94
Percent passing 850 micron sieve (#20)	D422	97	97	76	100	99	94
Percent passing 2000 micron sieve (#10)	D422	98	98	82	100	100	95
Percent passing 4750 micron sieve (#4)	D422	99	99	87	100	100	95
Metals (mg/kg)							
Aluminum	SW6020A	13600 J	13400 J	8890	16500 J	14500	14200
Antimony	SW6020A	0.746 J	0.659 J	2.84 J	0.661 J	1.61 J	0.453 J
Arsenic	SW6020A	11.8	13.8	58.2	13	15.5	15
Barium	SW6020A	88.1	95.8	249	79.9	98.4	89.4
Beryllium	SW6020A	0.764	0.923	0.614	0.891	0.968	1.03
Cadmium	SW6020A	3.34 J	4.48 J	10.5	3.04	3.02	2.87
Calcium	SW6020A	6770	7490	5770 J	7850 J	7980	7300
Chromium	SW6020A	86.1 J	96.2 J	148	71.9	88.1	86.5
Cobalt	SW6020A	12.3	13.6	11.6	11	13.2	14
Copper	SW6020A	229	238	783 J	191 J	224	219
Iron	SW6020A	34400	35400	29800	32400 J	32900	31100
Lead	SW6020A	197	199	752 J	161	202	190
Magnesium	SW6020A	9580	9170	6180 J	10900 J	10900	10700
Manganese	SW6020A	408	475	314	385	477	551
Mercury	E1631M	3.17 J	1.05 J	4.23	0.988	0.991	1.04
Nickel	SW6020A	44.6	54.4	206	39.5	46.7	49.5
Potassium	SW6020A	3250	3220	2450 J	3760 J	3740	3700
Selenium	SW6020A	1.69	2.16	5.6	2.63	2.78	2.86
Silver	SW6020A	4.68	4.73	7.35 J	3.7 J	3.8	3.67
Sodium	SW6020A	15200 J	13600 J	11300 J	19500 J	18900	20500
Thallium	SW6020A	0.362	0.463	0.62	0.292	0.344	0.37
Tin	SW6020A	19.4	19	66.5 J	17.4	17.6	15.6
Vanadium	SW6020A	39.5 J	44.5 J	34.7	37.8	43.5	42.5
Zinc	SW6020A	496 J	548 J	1100	516	548	505
Organometallic Compounds (µg/kg)							
Methyl mercury	E1630M	--	2.64	--	1.65	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2102	Spring Surface Sediment 2103	Spring Surface Sediment 2104	Spring Surface Sediment 2105	Spring Surface Sediment 2106	Spring Surface Sediment 2107
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.91	0.93	0.978927	1.01	1.07	1.07
Location ID		NC027SG_20120506	NC028SG_20120506	NC082SG_20120712	NC029SG_20120424	NC030SG_20120501	NC031SG_20120501
Sample ID		NC027SG-000010-20120506	NC028SG-000012-20120506	NC082SG-000015-20120712	NC029SG-000015-20120424	NC030SG-000015-20120501	NC031SG-000015-20120501
Sample Date		5/6/2012	5/6/2012	7/12/2012	4/24/2012	5/1/2012	5/1/2012
Sample Depth		0 - 10 cm	0 - 12 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		29.8	27.8	29.9	15.4	21.3	25.8
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Volatile Organics (µg/kg)							
1,1,1-Trichloroethane	SW8260B	2.8 U	2.7 U	2.3 U	3.1 U	3.2 UJ	3.4 U
1,1,2,2-Tetrachloroethane	SW8260B	2.8 U	2.7 U	2.3 U	3.1 U	3.2 UJ	3.4 U
1,1,2-Trichloroethane	SW8260B	4.2 U	4.1 U	3.5 U	4.6 U	4.8 UJ	5.1 U
1,1,2-Trichlorotrifluoroethane	SW8260B	56 U	54 U	47 U	62 U	64 UJ	68 U
1,1-Dichloroethane	SW8260B	4.2 U	4.1 U	3.5 U	4.6 U	4.8 U	5.1 U
1,1-Dichloroethene	SW8260B	2.8 U	2.7 U	2.3 U	3.1 U	3.2 UJ	3.4 U
1,2,3-Trichlorobenzene	SW8260B	14 U	14 U	12 U	16 U	-- R	17 U
1,2,4-Trichlorobenzene	SW8260B	14 U	14 U	12 U	16 U	-- R	17 U
1,2-Dibromo-3-chloropropane	SW8260B	14 UJ	14 UJ	12 U	16 U	16 UJ	17 U
1,2-Dichlorobenzene	SW8260B	14 U	14 U	12 U	16 U	16 UJ	17 U
1,2-Dichloroethane	SW8260B	2.8 U	2.7 U	2.3 U	3.1 U	3.2 UJ	3.4 U
1,2-Dichloroethene, cis-	SW8260B	2.8 U	2.7 U	2.3 U	3.1 U	3.2 UJ	3.4 U
1,2-Dichloroethene, trans-	SW8260B	4.2 U	4.1 U	3.5 U	4.6 U	4.8 UJ	5.1 U
1,2-Dichloropropane	SW8260B	9.8 U	9.5 U	8.2 U	11 U	11 UJ	12 U
1,3-Dichlorobenzene	SW8260B	14 U	14 U	12 U	16 U	16 UJ	17 U
1,3-Dichloropropene, cis-	SW8260B	2.8 U	2.7 U	2.3 U	3.1 U	-- R	3.4 U
1,3-Dichloropropene, trans-	SW8260B	2.8 U	2.7 U	2.3 U	3.1 U	-- R	3.4 U
1,4-Dichlorobenzene	SW8260B	14 U	14 U	12 U	16 U	16 UJ	17 U
2-Butanone (MEK)	SW8260B	24 J	27 U	32 J	34	100 J	61
2-Hexanone (methyl butyl ketone)	SW8260B	28 U	27 U	23 U	31 U	32 UJ	34 U
Acetone	SW8260B	140	41 J	47 J	180	560 J	280
Benzene	SW8260B	2.8 U	2.7 U	2.3 U	3.1 U	3.2 UJ	3.4 U
Bromochloromethane	SW8260B	14 U	14 U	12 U	16 U	16 U	17 U
Bromodichloromethane	SW8260B	2.8 U	2.7 U	2.3 U	3.1 U	-- R	3.4 U
Bromoform (tribromomethane)	SW8260B	11 U	11 U	9.4 U	12 U	-- R	14 U
Bromomethane (methyl bromide)	SW8260B	5.6 UJ	5.4 UJ	4.7 U	6.2 U	6.4 UJ	6.8 U
Carbon disulfide	SW8260B	8.4 J	27 J	10 J	6.9 J	24 J	19 J
Carbon tetrachloride (tetrachloromethane)	SW8260B	2.8 U	2.7 U	2.3 U	3.1 U	3.2 UJ	3.4 U
Chlorobenzene	SW8260B	2.8 U	2.7 U	2.3 U	3.1 U	3.2 UJ	3.4 U
Chloroethane	SW8260B	5.6 U	5.4 U	4.7 U	6.2 U	6.4 U	6.8 U
Chloroform	SW8260B	4.2 U	4.1 U	3.5 U	4.6 U	4.8 U	5.1 U

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2102	Spring Surface Sediment 2103	Spring Surface Sediment 2104	Spring Surface Sediment 2105	Spring Surface Sediment 2106	Spring Surface Sediment 2107
Task		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
Tributary		0.91	0.93	0.978927	1.01	1.07	1.07
River Mile							
Location ID		NC027SG_20120506	NC028SG_20120506	NC082SG_20120712	NC029SG_20120424	NC030SG_20120501	NC031SG_20120501
Sample ID		NC027SG-000010-20120506	NC028SG-000012-20120506	NC082SG-000015-20120712	NC029SG-000015-20120424	NC030SG-000015-20120501	NC031SG-000015-20120501
Sample Date		5/6/2012	5/6/2012	7/12/2012	4/24/2012	5/1/2012	5/1/2012
Sample Depth		0 - 10 cm	0 - 12 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		29.8	27.8	29.9	15.4	21.3	25.8
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Chloromethane	SW8260B	14 U	14 U	12 U	16 U	16 U	17 U
Cyclohexane	SW8260B	56 U	54 U	47 U	62 U	64 UJ	68 U
Dibromochloromethane	SW8260B	2.8 U	2.7 U	2.3 U	3.1 U	-- R	3.4 U
Dichlorodifluoromethane	SW8260B	28 U	27 U	23 U	31 U	32 U	34 U
Dichloromethane (methylene chloride)	SW8260B	5.2 J	8.3 J	23 U	31 U	32 U	34 U
Ethylbenzene	SW8260B	2.8 U	2.7 U	2.3 U	3.1 U	3.2 UJ	3.4 U
Ethylene dibromide (1,2-Dibromoethane)	SW8260B	11 U	11 U	9.4 U	12 U	13 UJ	14 U
Isopropylbenzene (cumene)	SW8260B	2.8 U	2.7 U	2.3 U	3.1 U	3.2 UJ	3.4 U
m,p-Xylene	SW8260B	5.6 U	5.4 U	4.7 U	6.2 U	6.4 UJ	6.8 U
Methyl acetate	SW8260B	56 U	54 U	47 U	62 U	64 U	68 U
Methyl isobutyl ketone (4-methyl-2-pentanone [MIBK])	SW8260B	28 U	27 U	23 U	31 U	32 UJ	34 U
Methyl tert-butyl ether (MTBE)	SW8260B	5.6 U	5.4 U	4.7 U	6.2 U	6.4 UJ	6.8 U
Methylcyclohexane	SW8260B	11 U	11 U	40 J	12 U	13 UJ	14 U
o-Xylene	SW8260B	5.6 U	5.4 U	4.7 U	6.2 U	6.4 UJ	6.8 U
Styrene	SW8260B	5.6 U	5.4 U	4.7 U	6.2 U	6.4 UJ	6.8 U
Tetrachloroethene (PCE)	SW8260B	2.8 U	2.7 U	2.3 U	3.1 U	3.2 UJ	3.4 U
Toluene	SW8260B	4.2 U	4.1 U	3.5 U	4.6 U	4.8 UJ	5.1 U
Total BTEX (U = 0)	--	5.6 U	5.4 U	4.7 U	6.2 U	6.4 UJ	6.8 U
Total BTEX (U = 1/2)	--	5.6 U	5.4 U	4.7 U	6.2 U	6.4 UJ	6.8 U
Total xylene (U = 0)	--	5.6 U	5.4 U	4.7 U	6.2 U	6.4 UJ	6.8 U
Total xylene (U = 1/2)	--	5.6 U	5.4 U	4.7 U	6.2 U	6.4 UJ	6.8 U
Trichloroethene (TCE)	SW8260B	2.8 U	2.7 U	2.3 U	3.1 U	3.2 UJ	3.4 U
Trichlorofluoromethane (fluorotrichloromethane)	SW8260B	14 U	14 U	12 U	16 U	16 UJ	17 U
Vinyl acetate	SW8260B	28 U	27 U	23 U	31 U	-- R	34 U
Vinyl chloride	SW8260B	5.6 U	5.4 U	4.7 U	6.2 U	6.4 U	6.8 U
Semivolatile Organics (µg/kg)							
1,2,4,5-Tetrachlorobenzene	SW8270C	440 U	4400 U	1400 U	1000 U	510 UJ	560 UJ
1,4-Dioxane	SW8270C	880 U	9000 U	2900 UJ	2100 U	1000 UJ	1100 UJ
2,3,4,6-Tetrachlorophenol	SW8270C	440 U	4400 U	1400 U	1000 U	510 UJ	560 UJ
2,4,5-Trichlorophenol	SW8270C	440 U	4400 U	1400 U	1000 U	510 UJ	560 U
2,4,6-Trichlorophenol	SW8270C	440 U	4400 U	1400 U	1000 U	510 UJ	560 UJ

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2102	Spring Surface Sediment 2103	Spring Surface Sediment 2104	Spring Surface Sediment 2105	Spring Surface Sediment 2106	Spring Surface Sediment 2107
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.91	0.93	0.978927	1.01	1.07	1.07
Location ID		NC027SG_20120506	NC028SG_20120506	NC082SG_20120712	NC029SG_20120424	NC030SG_20120501	NC031SG_20120501
Sample ID		NC027SG-000010-20120506	NC028SG-000012-20120506	NC082SG-000015-20120712	NC029SG-000015-20120424	NC030SG-000015-20120501	NC031SG-000015-20120501
Sample Date		5/6/2012	5/6/2012	7/12/2012	4/24/2012	5/1/2012	5/1/2012
Sample Depth		0 - 10 cm	0 - 12 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		29.8	27.8	29.9	15.4	21.3	25.8
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
2,4-Dichlorophenol	SW8270C	89 U	900 U	290 U	210 U	100 UJ	110 U
2,4-Dimethylphenol	SW8270C	440 UJ	4400 UJ	1400 U	1000 U	-- R	560 UJ
2,4-Dinitrophenol	SW8270C	2300 U	23000 U	7500 U	5300 U	2600 UJ	2900 UJ
2,4-Dinitrotoluene	SW8270C	440 U	4400 U	1400 U	1000 U	510 U	560 U
2,6-Dinitrotoluene	SW8270C	440 U	4400 U	1400 U	1000 U	510 U	560 U
2-Chloronaphthalene	SW8270C	89 U	900 U	290 U	210 U	100 UJ	110 UJ
2-Chlorophenol	SW8270C	440 U	4400 U	1400 UJ	1000 U	510 U	560 U
2-Methylnaphthalene	SW8270C	66 J	900 U	1500	230	92 J	120
2-Methylphenol (o-Cresol)	SW8270C	440 U	4400 U	1400 UJ	1000 U	510 UJ	560 U
2-Nitroaniline	SW8270C	2300 U	23000 U	7500 U	5300 U	2600 UJ	2900 UJ
2-Nitrophenol	SW8270C	440 U	4400 U	1400 U	1000 U	510 U	560 U
3,3'-Dichlorobenzidine	SW8270C	440 U	4400 U	1400 U	1000 U	510 UJ	560 UJ
3-methylphenol and 4-methylphenol (m&p-cresol)	SW8270C	72 J	4400 U	310 J	150 J	510 UJ	560 U
3-Nitroaniline	SW8270C	2300 U	23000 U	7500 U	5300 U	2600 UJ	2900 UJ
4-Bromophenyl-phenyl ether	SW8270C	440 U	4400 U	1400 U	1000 U	510 U	560 U
4-Chloro-3-methylphenol	SW8270C	440 U	4400 U	1400 U	1000 U	-- R	560 U
4-Chloroaniline	SW8270C	440 U	4400 U	1400 U	120 J	510 UJ	49 J
4-Chlorophenyl phenyl ether	SW8270C	440 U	4400 U	1400 U	1000 U	510 U	560 U
4-Nitroaniline	SW8270C	2300 U	23000 U	7500 U	5300 U	2600 UJ	2900 UJ
4-Nitrophenol	SW8270C	2300 U	23000 U	7500 U	5300 U	-- R	2900 UJ
Acenaphthene	SW8270C	48 J	900 U	9700	170 J	77 J	110
Acenaphthylene	SW8270C	77 J	900 U	1400	270	110	140
Acetophenone	SW8270C	440 U	4400 U	1400 U	150 J	510 U	560 U
Anthracene	SW8270C	470	370 J	17000	500	230	270
Atrazine	SW8270C	440 UJ	4400 UJ	1400 UJ	1000 U	510 U	560 U
Benzaldehyde	SW8270C	440 UJ	4400 UJ	1400 UJ	700 J	330 J	370 J
Benzo(a)anthracene	SW8270C	390	800 J	18000	1500 J	990	1000
Benzo(a)pyrene	SW8270C	400	800 J	9600	1300 J	650 J	800 J
Benzo(b)fluoranthene	SW8270C	400	530 J	10000 J	1600 J	1100 J	1100 J
Benzo(g,h,i)perylene	SW8270C	220	450 J	2200	900 UJ	380 J	360 J
Benzo(k)fluoranthene	SW8270C	220	730 J	4200	740 J	340	420
Biphenyl (1,1'-Biphenyl)	SW8270C	440 U	4400 U	480 J	1000 U	510 UJ	560 UJ

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2102	Spring Surface Sediment 2103	Spring Surface Sediment 2104	Spring Surface Sediment 2105	Spring Surface Sediment 2106	Spring Surface Sediment 2107
Task		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
Tributary		0.91	0.93	0.978927	1.01	1.07	1.07
River Mile							
Location ID		NC027SG_20120506	NC028SG_20120506	NC082SG_20120712	NC029SG_20120424	NC030SG_20120501	NC031SG_20120501
Sample ID		NC027SG-000010-20120506	NC028SG-000012-20120506	NC082SG-000015-20120712	NC029SG-000015-20120424	NC030SG-000015-20120501	NC031SG-000015-20120501
Sample Date		5/6/2012	5/6/2012	7/12/2012	4/24/2012	5/1/2012	5/1/2012
Sample Depth		0 - 10 cm	0 - 12 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		29.8	27.8	29.9	15.4	21.3	25.8
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
bis(2-Chloroethoxy)methane	SW8270C	440 U	4400 U	1400 U	1000 U	510 U	560 U
bis(2-Chloroethyl)ether	SW8270C	89 U	900 U	290 UJ	210 U	100 U	110 U
bis(2-Chloroisopropyl)ether	SW8270C	89 U	900 U	290 UJ	210 U	100 UJ	110 UJ
Bis(2-ethylhexyl)phthalate	SW8270C	2100	93000	3100	7900 J	4600 J	4600
Butylbenzyl phthalate	SW8270C	110 J	4400 U	1400 U	260 J	470 J	150 J
Caprolactam	SW8270C	2300 U	23000 U	7500 UJ	5300 UJ	2600 UJ	2900 UJ
Carbazole	SW8270C	120	900 U	760	98 J	61 J	47 J
Chrysene	SW8270C	510	810 J	16000	1500 J	720 J	800 J
Dibenzo(a,h)anthracene	SW8270C	72 J	180 J	730	650 J	360 J	340 J
Dibenzofuran	SW8270C	48 J	4400 U	3600	130 J	79 J	84 J
Diethyl phthalate	SW8270C	440 U	4400 U	1400 U	1000 U	510 U	560 U
Dimethyl phthalate	SW8270C	440 U	4400 U	1400 U	1000 U	510 U	560 U
Di-n-butyl phthalate	SW8270C	440 U	4400 U	1400 U	200 J	140 J	110 J
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)	SW8270C	2300 U	23000 U	7500 U	5300 UJ	2600 UJ	2900 UJ
Di-n-octyl phthalate	SW8270C	440 U	4400 U	1400 U	1000 U	510 U	560 U
Fluoranthene	SW8270C	500	1400	59000	2900	980	1400
Fluorene	SW8270C	77 J	900 U	820	180 J	94 J	91 J
Hexachlorobenzene	SW8270C	89 U	900 U	290 U	210 U	100 U	110 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270C	89 U	900 U	290 U	210 U	100 U	110 U
Hexachlorocyclopentadiene	SW8270C	440 U	4400 U	1400 UJ	1000 U	510 UJ	560 UJ
Hexachloroethane	SW8270C	440 U	4400 U	1400 UJ	1000 U	510 U	560 U
Indeno(1,2,3-c,d)pyrene	SW8270C	220	530 J	1700	990 J	500 J	520 J
Isophorone	SW8270C	440 U	4400 U	1400 U	1000 U	510 U	560 U
Naphthalene	SW8270C	100	900 U	3100	390	170	330
Nitrobenzene	SW8270C	880 U	9000 U	2900 U	2100 U	1000 UJ	1100 UJ
N-Nitrosodi-N-propylamine	SW8270C	89 U	900 U	290 UJ	210 U	100 UJ	110 UJ
N-Nitrosodiphenylamine	SW8270C	440 U	4400 U	1400 U	1000 U	510 U	560 U
Pentachlorophenol	SW8270C	440 U	4400 U	1400 U	1000 U	-- R	560 UJ
Phenanthrene	SW8270C	290	590 J	8100	1000	500	550
Phenol	SW8270C	89 U	900 U	290 UJ	28 J	100 UJ	110 U
Pyrene	SW8270C	710	1700	52000	2300 J	1400	1600

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2102	Spring Surface Sediment 2103	Spring Surface Sediment 2104	Spring Surface Sediment 2105	Spring Surface Sediment 2106	Spring Surface Sediment 2107
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.91	0.93	0.978927	1.01	1.07	1.07
Location ID		NC027SG_20120506	NC028SG_20120506	NC082SG_20120712	NC029SG_20120424	NC030SG_20120501	NC031SG_20120501
Sample ID		NC027SG-000010-20120506	NC028SG-000012-20120506	NC082SG-000015-20120712	NC029SG-000015-20120424	NC030SG-000015-20120501	NC031SG-000015-20120501
Sample Date		5/6/2012	5/6/2012	7/12/2012	4/24/2012	5/1/2012	5/1/2012
Sample Depth		0 - 10 cm	0 - 12 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		29.8	27.8	29.9	15.4	21.3	25.8
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total cresol (o,m,p) (U = 0)	--	72 J	4400 U	310 J	150 J	510 UJ	560 U
Total cresol (o,m,p) (U = 1/2)	--	292 J	4400 U	1010 J	650 J	510 UJ	560 U
Polycyclic Aromatic Hydrocarbons (µg/kg)							
1,6,7-Trimethylnaphthalene	SW8270CMSIM	55.2	153	5020	44.2	46.6	276
1-Methyldibenzothiophene	SW8270CMSIM	25.4	64	1260	28.5	24.1	128 J
1-Methylnaphthalene	SW8270CMSIM	117	137	6980	114	78.7	86 J
1-Methylphenanthrene	SW8270CMSIM	151	282	9290	192	160	625
2,6-Dimethylnaphthalene	SW8270CMSIM	216	316	11000	242	174	221 J
2-Methylantracene	SW8270CMSIM	121	248	6740	174	140	322
2-Methyldibenzothiophene and 3-methyldibenzothiophene	SW8270CMSIM	77.9	183	3620	124	61.6	461
2-Methylnaphthalene	SW8270CMSIM	318	389	21500	276	205	251 J
2-Methylphenanthrene	SW8270CMSIM	177	215	6060	225	184	235 J
4-Methyldibenzothiophene	SW8270CMSIM	81.1	260	3860	93.6	76.5	597
4-Methylphenanthrene and 9-methylphenanthrene	SW8270CMSIM	205	454	10900	242	213	954
Acenaphthene	SW8270CMSIM	132	249	28800	212	151	1300
Acenaphthylene	SW8270CMSIM	332	354	3600	346	156	229 J
Anthracene	SW8270CMSIM	525	917	45800	730	493	833
Benzo(a)anthracene	SW8270CMSIM	1280	2280	38900	1690	1240 J	2330
Benzo(a)pyrene	SW8270CMSIM	1390	2160	20900	1740	1430 J	1550
Benzo(b)fluoranthene	SW8270CMSIM	1680	2230	19200	1610	1400 J	1970
Benzo(e)pyrene	SW8270CMSIM	1340	1830	14500	1330	1150	1390
Benzo(g,h,i)perylene	SW8270CMSIM	1040	1260	8110	1110	949 J	976
Benzo(j,k)fluoranthene	SW8270CMSIM	1310	1930	18800	1480	1220 J	1290
Benzonaphthothiophene	SW8270CMSIM	440	723	12000	553	540	1120
Benzothiophene	SW8270CMSIM	37.4	49.6	1300	21.7 J	13.9 J	260 U
Carbazole	SW8270CMSIM	90.7	178	9990	115	90.4	113 J
Chrysene	SW8270CMSIM	1470	2550	38500	1730	1300 J	2380
Decalin, cis and trans-	SW8270CMSIM	32	55.2	2340	30.1	23.8	130 U
Dibenzo(a,h)anthracene and dibenzo(a,c)anthracene	SW8270CMSIM	335	466	3620	317	312	287
Dibenzothiophene	SW8270CMSIM	119	194	6450	146	112	230 J

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2102	Spring Surface Sediment 2103	Spring Surface Sediment 2104	Spring Surface Sediment 2105	Spring Surface Sediment 2106	Spring Surface Sediment 2107
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.91	0.93	0.978927	1.01	1.07	1.07
Location ID		NC027SG_20120506	NC028SG_20120506	NC082SG_20120712	NC029SG_20120424	NC030SG_20120501	NC031SG_20120501
Sample ID		NC027SG-000010-20120506	NC028SG-000012-20120506	NC082SG-000015-20120712	NC029SG-000015-20120424	NC030SG-000015-20120501	NC031SG-000015-20120501
Sample Date		5/6/2012	5/6/2012	7/12/2012	4/24/2012	5/1/2012	5/1/2012
Sample Depth		0 - 10 cm	0 - 12 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		29.8	27.8	29.9	15.4	21.3	25.8
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Fluoranthene	SW8270CMSIM	2420	4320	118000	3670	3260	6710
Fluorene	SW8270CMSIM	167	257	13600	214	166	527
Indeno(1,2,3-c,d)pyrene	SW8270CMSIM	1020	1300	8520	1150	928 J	994
Naphthalene	SW8270CMSIM	641	831	41900	491	299	352
Perylene	SW8270CMSIM	581	754	4500	620	521	509
Phenanthrene	SW8270CMSIM	875	1040	42200	1270	942 J	944
Pyrene	SW8270CMSIM	3310	4570	103000	3760	3500	6640
Retene	SW8270CMSIM	19.4 U	15.9 U	11500	22 U	19.5 U	2290
Total benzofluoranthenes (U = 0)	--	2990	4160	38000	3090	2620 J	3260
Total benzofluoranthenes (U = 1/2)	--	2990	4160	38000	3090	2620 J	3260
Total cPAH TEQ (USEPA 1993) (U = 0)	--	2137.57	3228.85	31408.5	2518.53	2112.3 J	2381.68
Total cPAH TEQ (USEPA 1993) (U = 1/2)	--	2137.57	3228.85	31408.5	2518.53	2112.3 J	2381.68
Total HPAH (9 of 16) (U = 0)	--	15255	23066	377550	18257	15539 J	25127
Total HPAH (9 of 16) (U = 1/2)	--	15255	23066	377550	18257	15539 J	25127
Total LPAH (7 of 16) (U = 0)	--	2990	4037	197400	3539	2412 J	4436 J
Total LPAH (7 of 16) (U = 1/2)	--	2990	4037	197400	3539	2412 J	4436 J
Total PAH (16) (U = 0)	--	18245	27103	574950	21796	17951 J	29563 J
Total PAH (16) (U = 1/2)	--	18245	27103	574950	21796	17951 J	29563 J
Alkylated Polycyclic Aromatic Hydrocarbons (µg/kg)							
C1-Benzo(a)anthracenes/chrysenes	SW8270CMSIM	1450	2300	24500	1390	1180	2010
C1-Benzo(b)thiophenes	SW8270CMSIM	44.9	60.9	1280	37.1	26.1	260 U
C1-Decalins	SW8270CMSIM	151	310	20200	145	143	912
C1-Dibenzothiophenes	SW8270CMSIM	217	555	9820	272	186	1300
C1-Fluoranthenes/Pyrenes	SW8270CMSIM	2270	3490	67700	2500	2430	5320
C1-Fluorenes	SW8270CMSIM	136	290	10800	166	123	450
C1-Naphthalenes	SW8270CMSIM	262	315	17000	244	169	192 J
C1-Phenanthrenes/Anthracenes	SW8270CMSIM	809	1610	44000	1020	851	3020
C2-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	1230	2100	19200	1260	1040	1670
C2-Benzo(b)thiophenes	SW8270CMSIM	38.7	54.7	1580	36.7	26.5	260 U
C2-Decalins	SW8270CMSIM	460	827	32100	555	455	1770
C2-Dibenzothiophenes	SW8270CMSIM	428	1390	13100	506	441	3950
C2-Fluorenes	SW8270CMSIM	356	1080	18400	435	355	3120
C2-Naphthalenes	SW8270CMSIM	303	474	20400	339	228	474

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2102	Spring Surface Sediment 2103	Spring Surface Sediment 2104	Spring Surface Sediment 2105	Spring Surface Sediment 2106	Spring Surface Sediment 2107
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.91	0.93	0.978927	1.01	1.07	1.07
Location ID		NC027SG_20120506	NC028SG_20120506	NC082SG_20120712	NC029SG_20120424	NC030SG_20120501	NC031SG_20120501
Sample ID		NC027SG-000010-20120506	NC028SG-000012-20120506	NC082SG-000015-20120712	NC029SG-000015-20120424	NC030SG-000015-20120501	NC031SG-000015-20120501
Sample Date		5/6/2012	5/6/2012	7/12/2012	4/24/2012	5/1/2012	5/1/2012
Sample Depth		0 - 10 cm	0 - 12 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		29.8	27.8	29.9	15.4	21.3	25.8
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
C2-Phenanthrenes/Anthracenes	SW8270CMSIM	1040	2870	47500	1380	1090	6910
C3-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	999	1720	15600	1070	955	2080
C3-Benzo(b)thiophenes	SW8270CMSIM	73.4	151	2950	86.2	58.1	294
C3-Decalins	SW8270CMSIM	464	730	18200	577	435	1510
C3-Dibenzothiophenes	SW8270CMSIM	604	1480	10500	612	584	3290
C3-Fluorenes	SW8270CMSIM	677	1600	18800	805	694	4440
C3-Naphthalenes	SW8270CMSIM	307	1000	36400	376	262	1550
C3-Phenanthrenes/Anthracenes	SW8270CMSIM	943	2290	27900	1230	1100	5060
C4-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	568	942	7710	545	583	260 U
C4-Benzo(b)thiophenes	SW8270CMSIM	78.7	180	2710	91.9	66.3	578
C4-Decalins	SW8270CMSIM	785	1110	22700	1010	801	3440
C4-Dibenzothiophenes	SW8270CMSIM	410	818	5670	403	414	1460
C4-Naphthalenes	SW8270CMSIM	379	1310	29600	488	356	4250
C4-Phenanthrenes/Anthracenes	SW8270CMSIM	621	1210	13900	747	689	2230
n-Alkanes and Isoprenoids (µg/kg)							
2,6,10-Trimethyldodecane	SW8015M	278 J	770 J	13900	482 J	387 J	593 J
2,6,10-Trimethyltridecane	SW8015M	1530 J	2510 J	29600 J	1570 J	1130 J	3130 J
n-Decane (C10)	SW8015M	1290 U	1060 U	1810 J	1470 U	1300 U	3470 U
n-Docosane (C22)	SW8015M	1290 U	355 J	4490 J	256 J	429 J	1720 J
n-Dodecane (C12)	SW8015M	1290 U	239 J	6470	1470 U	1300 U	3470 U
n-Dotriacontane (C32)	SW8015M	756 J	1620	5290 U	8000	1040 J	1380 J
n-Eicosane (C20)	SW8015M	470 J	1060 U	5290 U	1470 U	430 J	992 J
n-Heneicosane (C21)	SW8015M	530 J	730 J	5290 U	565 J	466 J	687 J
n-Hentriacontane (C31)	SW8015M	4340	4780	8260	5480	2410	3130 J
n-Heptacosane (C27)	SW8015M	2010	2030	4230 J	2920	2200	2230 J
n-Heptadecane (C17)	SW8015M	630 J	978 J	7250	879 J	752 J	1140 J
n-Heptatriacontane (C37)	SW8015M	827 J	838 J	5290 U	945 J	816 J	1500 J
n-Hexacosane (C26)	SW8015M	640 J	745 J	2830 J	844 J	1070 J	8000
n-Hexadecane (C16)	SW8015M	241 J	415 J	9140	390 J	470 J	1000 J
n-Hexatriacontane (C36)	SW8015M	1300	1430	3660 J	3410	954 J	3470 U
n-Nonacosane (C29)	SW8015M	1930	2340	14800	4430	4410	3780
n-Nonadecane (C19)	SW8015M	1290 U	1060 U	2700 J	466 J	429 J	3470 U
n-Nonane (C9)	SW8015M	1290 U	1060 U	5290 U	1470 U	1300 U	3470 U

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2102	Spring Surface Sediment 2103	Spring Surface Sediment 2104	Spring Surface Sediment 2105	Spring Surface Sediment 2106	Spring Surface Sediment 2107
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.91	0.93	0.978927	1.01	1.07	1.07
Location ID		NC027SG_20120506	NC028SG_20120506	NC082SG_20120712	NC029SG_20120424	NC030SG_20120501	NC031SG_20120501
Sample ID		NC027SG-000010-20120506	NC028SG-000012-20120506	NC082SG-000015-20120712	NC029SG-000015-20120424	NC030SG-000015-20120501	NC031SG-000015-20120501
Sample Date		5/6/2012	5/6/2012	7/12/2012	4/24/2012	5/1/2012	5/1/2012
Sample Depth		0 - 10 cm	0 - 12 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		29.8	27.8	29.9	15.4	21.3	25.8
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
n-Nonatriacontane (C39)	SW8015M	550 J	934 J	5290 U	894 J	847 J	3470 U
n-Octacosane (C28)	SW8015M	460 J	532 J	5290 U	775 J	1160 J	1150 J
n-Octadecane (C18)	SW8015M	1160 J	1440 J	44000 J	1610 J	1330 J	1330 J
n-Octatriacontane (C38)	SW8015M	748 J	873 J	5290 U	1020 J	612 J	1040 J
Norpristane	SW8015M	771 J	1850	20400	1000 J	877 J	2020 J
n-Pentacosane (C25)	SW8015M	2960 J	5070 J	43600 J	4810 J	2810 J	6620 J
n-Pentadecane (C15)	SW8015M	395 J	678 J	54200	368 J	788 J	2700 J
n-Pentatriacontane (C35)	SW8015M	1020 J	872 J	5290 U	1290 J	1360	11100
n-Tetracontane (C40)	SW8015M	576 J	735 J	5290 U	985 J	589 J	3470 U
n-Tetracosane (C24)	SW8015M	364 J	476 J	5290 U	1470 U	597 J	3470 U
n-Tetradecane (C14)	SW8015M	283 J	413 J	10800	232 J	479 J	881 J
n-Tetratriacontane (C34)	SW8015M	1290 U	1060 U	5290 U	2290	1740	4940
n-Triacontane (C30)	SW8015M	922 J	1310	5290 U	1740	1220 J	1800 J
n-Tricosane (C23)	SW8015M	657 J	824 J	7380	641 J	276 J	1180 J
n-Tridecane (C13)	SW8015M	1290 U	444 J	6240	1470 U	1300 U	3470 U
n-Tritriacontane (C33)	SW8015M	2560	4780	5260 J	6470	5280	3640
n-Undecane (C11)	SW8015M	1290 U	366 J	3960 J	1470 U	1300 U	3470 U
Pesticides (µg/kg)							
2,4'-DDD (o,p'-DDD)	SW8081A	1 J	0.94 J	1.8 U	0.26 UJ	2.9 J	3.1
2,4'-DDE (o,p'-DDE)	SW8081A	0.22 U	0.65 J	3.6 J	1.6 J	0.25 U	2.2 J
2,4'-DDT (o,p'-DDT)	SW8081A	0.061 J	0.22 J	1.8 U	0.26 U	0.25 U	0.98 J
4,4'-DDD (p,p'-DDD)	SW8081A	6.1	10	34	0.79 J	7.4 J	6.6
4,4'-DDE (p,p'-DDE)	SW8081A	6.9 J	5.3 J	10 J	7.2	11 J	5.8 J
4,4'-DDT (p,p'-DDT)	SW8081A	2.3	1.7 J	1.8 UJ	1.3 J	2.1 J	1.7 J
Aldrin	SW8081A	0.22 U	0.044 J	6 J	0.26 U	0.25 UJ	0.12 J
alpha-Hexachlorocyclohexane (BHC)	SW8081A	0.18 J	1.2 J	-- R	4.7	0.25 U	0.28 U
Chlordane, alpha- (cis-Chlordane)	SW8081A	3.7	3.8	5.2 J	0.26 U	4.9	5.2
Chlordane, beta- (trans-Chlordane)	SW8081A	0.22 U	0.23 U	6.4 J	0.26 U	0.25 UJ	0.28 U
delta-Hexachlorocyclohexane (BHC)	SW8081A	0.17 J	0.35 J	1.8 UJ	0.26 U	0.25 U	0.28 U
Dieldrin	SW8081A	0.77 J	0.91 J	2.4 J	1.4	0.25 U	1.1 J
Endosulfan sulfate	SW8081A	0.77 J	0.23 UJ	1.8 U	0.26 UJ	0.34 J	0.11 J
Endosulfan-alpha (I)	SW8081A	0.22 U	0.23 U	1.8 UJ	0.26 U	0.25 U	0.3 J
Endosulfan-beta (II)	SW8081A	0.22 U	1.6	1.8 U	1.3 J	0.096 J	0.28 UJ

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2102	Spring Surface Sediment 2103	Spring Surface Sediment 2104	Spring Surface Sediment 2105	Spring Surface Sediment 2106	Spring Surface Sediment 2107
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.91	0.93	0.978927	1.01	1.07	1.07
Location ID		NC027SG_20120506	NC028SG_20120506	NC082SG_20120712	NC029SG_20120424	NC030SG_20120501	NC031SG_20120501
Sample ID		NC027SG-000010-20120506	NC028SG-000012-20120506	NC082SG-000015-20120712	NC029SG-000015-20120424	NC030SG-000015-20120501	NC031SG-000015-20120501
Sample Date		5/6/2012	5/6/2012	7/12/2012	4/24/2012	5/1/2012	5/1/2012
Sample Depth		0 - 10 cm	0 - 12 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		29.8	27.8	29.9	15.4	21.3	25.8
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Endrin	SW8081A	0.46 J	0.64 J	1.3 J	0.8	0.52 J	0.94
Endrin aldehyde	SW8081A	0.35 J	0.23 UJ	2.1 J	0.84 J	0.25 UJ	0.28 UJ
Endrin ketone	SW8081A	1.6 J	0.56 J	0.43 J	0.26 UJ	1.4 J	0.88 J
Heptachlor	SW8081A	0.22 U	0.23 U	3.5 J	0.26 U	0.25 UJ	0.28 U
Heptachlor epoxide	SW8081A	0.22 U	0.23 U	0.7 J	0.43 J	0.24 J	0.18 J
Hexachlorobenzene	SW8081A	0.26	0.31	2.3	0.33	0.26 J	0.23 J
Hexachlorocyclohexane, beta- (BHC)	SW8081A	0.22 U	0.23 U	1.8 UJ	0.26 U	0.25 U	0.28 U
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	SW8081A	0.22 U	0.23 U	0.33 J	0.26 U	0.25 U	0.28 U
Methoxychlor	SW8081A	0.82 J	0.45 U	3.7 U	0.51 U	0.5 UJ	0.56 UJ
Mirex	SW8081A	0.32	0.23 U	0.18 J	0.58 J	0.25 U	0.28 U
Nonachlor, cis-	SW8081A	0.83 J	0.62 J	1.8 UJ	0.26 U	1.1	0.81 J
Nonachlor, trans-	SW8081A	1.6 J	0.69	1.8 U	0.59 J	2.9 J	1.6 J
Oxychlordane	SW8081A	0.22 U	0.075 J	0.64 J	0.26 UJ	0.17 J	0.18 J
Sum DDD (U = 0)	--	7.1 J	10.94 J	34	0.79 J	10.3 J	9.7
Sum DDD (U = 1/2)	--	7.1 J	10.94 J	34.9	0.92 J	10.3 J	9.7
Sum DDE (U = 0)	--	6.9 J	5.95 J	13.6 J	8.8 J	11 J	8 J
Sum DDE (U = 1/2)	--	7.01 J	5.95 J	13.6 J	8.8 J	11.13 J	8 J
Sum DDT (U = 0)	--	2.361 J	1.92 J	1.8 UJ	1.3 J	2.1 J	2.68 J
Sum DDT (U = 1/2)	--	2.361 J	1.92 J	1.8 UJ	1.43 J	2.23 J	2.68 J
Total chlordanes (U = 0)	--	6.13 J	5.185 J	12.24 J	0.59 J	9.07 J	7.79 J
Total chlordanes (U = 1/2)	--	6.35 J	5.3 J	14.04 J	1.11 J	9.2 J	7.93 J
Total DDx (U = 0)	--	16.361 J	18.81 J	47.6 J	10.89 J	23.4 J	20.38 J
Total DDx (U = 1/2)	--	16.471 J	18.81 J	50.3 J	11.15 J	23.65 J	20.38 J
Toxaphene	SW8081A	8.8 U	9 U	73 U	10 U	10 U	11 U
Pesticides - High Resolution (µg/kg)							
2,4'-DDD (o,p'-DDD)	E1699	--	4.9	--	5.5	--	--
2,4'-DDE (o,p'-DDE)	E1699	--	1.2	--	0.46 U	--	--
2,4'-DDT (o,p'-DDT)	E1699	--	0.36 J	--	0.29 U	--	--
4,4'-DDD (p,p'-DDD)	E1699	--	15	--	19	--	--
4,4'-DDE (p,p'-DDE)	E1699	--	16	--	23	--	--
4,4'-DDT (p,p'-DDT)	E1699	--	2.6	--	5.9	--	--
Aldrin	E1699	--	0.21 J	--	0.7 J	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2102	Spring Surface Sediment 2103	Spring Surface Sediment 2104	Spring Surface Sediment 2105	Spring Surface Sediment 2106	Spring Surface Sediment 2107
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	0.91	0.93	0.978927	1.01	1.07	1.07
		Location ID	NC027SG_20120506	NC028SG_20120506	NC082SG_20120712	NC029SG_20120424	NC030SG_20120501	NC031SG_20120501
		Sample ID	NC027SG-000010-20120506	NC028SG-000012-20120506	NC082SG-000015-20120712	NC029SG-000015-20120424	NC030SG-000015-20120501	NC031SG-000015-20120501
		Sample Date	5/6/2012	5/6/2012	7/12/2012	4/24/2012	5/1/2012	5/1/2012
		Sample Depth	0 - 10 cm	0 - 12 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	29.8	27.8	29.9	15.4	21.3	25.8
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
alpha-Hexachlorocyclohexane (BHC)	E1699	--	0.096 U	--	0.14 U	--	--	
Chlordane, alpha- (cis-Chlordane)	E1699	--	6.7	--	9.8	--	--	
Chlordane, beta- (trans-Chlordane)	E1699	--	8.1	--	11	--	--	
delta-Hexachlorocyclohexane (BHC)	E1699	--	0.046 U	--	0.21 U	--	--	
Dieldrin	E1699	--	3.3	--	3.5	--	--	
Endosulfan sulfate	E1699	--	0.024 U	--	0.13 U	--	--	
Endosulfan-alpha (I)	E1699	--	0.09 U	--	0.34 U	--	--	
Endosulfan-beta (II)	E1699	--	0.2 U	--	0.84 U	--	--	
Endrin	E1699	--	0.065 U	--	0.27 U	--	--	
Endrin aldehyde	E1699	--	0.052 U	--	0.31 U	--	--	
Endrin ketone	E1699	--	0.049 U	--	0.26 U	--	--	
Heptachlor	E1699	--	0.028 U	--	0.081 J	--	--	
Heptachlor epoxide	E1699	--	0.16 J	--	0.3 U	--	--	
Hexachlorobenzene	E1699	--	1.5	--	2.1	--	--	
Hexachlorocyclohexane, beta- (BHC)	E1699	--	0.096 U	--	0.15 U	--	--	
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	E1699	--	0.085 J	--	0.18 U	--	--	
Methoxychlor	E1699	--	0.099 U	--	0.21 U	--	--	
Mirex	E1699	--	0.3 J	--	0.4 J	--	--	
Nonachlor, cis-	E1699	--	1.9	--	2.7	--	--	
Nonachlor, trans-	E1699	--	3.9	--	5.6	--	--	
Oxychlordane	E1699	--	0.055 J	--	0.12 U	--	--	
Sum DDD high resolution (U = 0)	--	--	19.9	--	24.5	--	--	
Sum DDD high resolution (U = 1/2)	--	--	19.9	--	24.5	--	--	
Sum DDE high resolution (U = 0)	--	--	17.2	--	23	--	--	
Sum DDE high resolution (U = 1/2)	--	--	17.2	--	23.23	--	--	
Sum DDT high resolution (U = 0)	--	--	2.96 J	--	5.9	--	--	
Sum DDT high resolution (U = 1/2)	--	--	2.96 J	--	6.04	--	--	
Total chlordane high resolution (U = 0)	--	--	20.655 J	--	29.1	--	--	
Total chlordane high resolution (U = 1/2)	--	--	20.655 J	--	29.16	--	--	
Total DDx high resolution (U = 0)	--	--	40.06 J	--	53.4	--	--	
Total DDx high resolution (U = 1/2)	--	--	40.06 J	--	53.77	--	--	
Toxaphene	E1699	--	14 U	--	4.7 U	--	--	

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2102	Spring Surface Sediment 2103	Spring Surface Sediment 2104	Spring Surface Sediment 2105	Spring Surface Sediment 2106	Spring Surface Sediment 2107
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.91	0.93	0.978927	1.01	1.07	1.07
Location ID		NC027SG_20120506	NC028SG_20120506	NC082SG_20120712	NC029SG_20120424	NC030SG_20120501	NC031SG_20120501
Sample ID		NC027SG-000010-20120506	NC028SG-000012-20120506	NC082SG-000015-20120712	NC029SG-000015-20120424	NC030SG-000015-20120501	NC031SG-000015-20120501
Sample Date		5/6/2012	5/6/2012	7/12/2012	4/24/2012	5/1/2012	5/1/2012
Sample Depth		0 - 10 cm	0 - 12 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		29.8	27.8	29.9	15.4	21.3	25.8
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Herbicides (µg/kg)							
2,2-Dichloropropionic acid (dalapon)	SW8151A	240 UJ	240 UJ	200 U	280 U	270 UJ	300 U
2,4,5-T (2,4,5-trichlorophenoxyacetic acid)	SW8151A	53 U	54 U	44 U	62 U	61 UJ	67 U
2,4,5-TP (Silvex)	SW8151A	53 U	54 U	44 U	62 U	61 U	67 U
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	210 U	220 U	180 U	250 U	240 UJ	270 U
2,4-DB (2,4-D derivative)	SW8151A	210 UJ	220 UJ	180 UJ	250 U	240 UJ	270 U
Dicamba	SW8151A	110 U	110 U	88 U	120 U	120 U	130 U
Dichlorprop	SW8151A	210 U	220 U	180 U	62 J	31 J	87 J
Dinoseb	SW8151A	32 U	32 U	26 UJ	37 U	37 UJ	40 U
Mecoprop (MCP)	SW8151A	21000 U	22000 U	18000 U	25000 U	24000 U	27000 U
Mephanac (MCPA)	SW8151A	21000 U	22000 U	18000 U	25000 U	24000 UJ	27000 U
Dioxin Furans (ng/kg)							
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	--	1.75	--	9.18	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	--	2.97 J	--	35.7	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	3.83 J	--	65	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	10.5	--	125	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	6.94	--	112	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B	--	172	--	1520	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B	--	1570	--	9980	--	--
Total tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	--	37 J	--	357 J	--	--
Total pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	--	37.9	--	609	--	--
Total hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	108 J	--	1620	--	--

**Table A4-2
Surface Sediment Analytical Results**

		Task	Spring Surface Sediment 2102	Spring Surface Sediment 2103	Spring Surface Sediment 2104	Spring Surface Sediment 2105	Spring Surface Sediment 2106	Spring Surface Sediment 2107
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	0.91	0.93	0.978927	1.01	1.07	1.07
		Location ID	NC027SG_20120506	NC028SG_20120506	NC082SG_20120712	NC029SG_20120424	NC030SG_20120501	NC031SG_20120501
		Sample ID	NC027SG-000010-20120506	NC028SG-000012-20120506	NC082SG-000015-20120712	NC029SG-000015-20120424	NC030SG-000015-20120501	NC031SG-000015-20120501
		Sample Date	5/6/2012	5/6/2012	7/12/2012	4/24/2012	5/1/2012	5/1/2012
		Sample Depth	0 - 10 cm	0 - 12 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	29.8	27.8	29.9	15.4	21.3	25.8
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
Total heptachlorodibenzo-p-dioxin (HpCDD)	E1613B		--	416	--	3000	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B		--	8.1 J	--	32.1	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B		--	15.3	--	55.3	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B		--	13.1	--	81.3	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B		--	61	--	178	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B		--	28.5	--	127	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B		--	2.88 U	--	0.505 U	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B		--	13.9	--	146	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B		--	301	--	1010	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B		--	7.85	--	63.6	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B		--	281	--	1100	--	--
Total tetrachlorodibenzofuran (TCDF)	E1613B		--	188 J	--	843	--	--
Total pentachlorodibenzofuran (PeCDF)	E1613B		--	225	--	1030 J	--	--
Total hexachlorodibenzofuran (HxCDF)	E1613B		--	297 J	--	1410	--	--
Total heptachlorodibenzofuran (HpCDF)	E1613B		--	382	--	1450	--	--
Total dioxin/furan TEQ 1998 (avian) (U = 0)	--	--	--	42.23 J	--	237.974	--	--
Total dioxin/furan TEQ 1998 (avian) (U = 1/2)	--	--	--	42.37 J	--	237.999	--	--
Total dioxin/furan TEQ 1998 (fish) (U = 0)	--	--	--	28.32 J	--	183.234	--	--
Total dioxin/furan TEQ 1998 (fish) (U = 1/2)	--	--	--	28.46 J	--	183.259	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2102	Spring Surface Sediment 2103	Spring Surface Sediment 2104	Spring Surface Sediment 2105	Spring Surface Sediment 2106	Spring Surface Sediment 2107
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.91	0.93	0.978927	1.01	1.07	1.07
Location ID		NC027SG_20120506	NC028SG_20120506	NC082SG_20120712	NC029SG_20120424	NC030SG_20120501	NC031SG_20120501
Sample ID		NC027SG-000010-20120506	NC028SG-000012-20120506	NC082SG-000015-20120712	NC029SG-000015-20120424	NC030SG-000015-20120501	NC031SG-000015-20120501
Sample Date		5/6/2012	5/6/2012	7/12/2012	4/24/2012	5/1/2012	5/1/2012
Sample Depth		0 - 10 cm	0 - 12 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		29.8	27.8	29.9	15.4	21.3	25.8
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total dioxin/furan TEQ 2005 (mammal) (U = 0)	--	--	27.75 J	--	178.699	--	--
Total dioxin/furan TEQ 2005 (mammal) (U = 1/2)	--	--	27.89 J	--	178.724	--	--
PCB Aroclors (µg/kg)							
Aroclor 1016	SW8082A	11 U	11 U	9.2 U	26 U	13 U	14 U
Aroclor 1221	SW8082A	11 U	11 U	9.2 U	26 U	13 U	14 U
Aroclor 1232	SW8082A	290	11 U	9.2 U	26 U	13 U	14 U
Aroclor 1242	SW8082A	210	290	540	140	160	100
Aroclor 1248	SW8082A	11 U	11 U	9.2 U	26 U	13 U	14 U
Aroclor 1254	SW8082A	200	270	310	250	330	180
Aroclor 1260	SW8082A	11 U	11 U	9.2 U	26 U	13 U	14 U
Aroclor 1262	SW8082A	11 U	11 U	9.2 U	26 U	13 U	14 U
Aroclor 1268	SW8082A	11 U	11 U	9.2 U	26 U	13 U	14 U
Total PCB Aroclors (U = 0)	--	700	560	850	390	490	280
Total PCB Aroclors (U = 1/2)	--	733	598.5	882.2	481	535.5	329
PCB Congeners (ng/kg)							
PCB-001	E1668B	--	835	--	4300	--	--
PCB-002	E1668B	--	74.6	--	546	--	--
PCB-003	E1668B	--	605	--	3140	--	--
PCB-004	E1668B	--	1700	--	7120 J	--	--
PCB-005	E1668B	--	73.4	--	202	--	--
PCB-006	E1668B	--	880	--	4010	--	--
PCB-007	E1668B	--	184	--	450	--	--
PCB-008	E1668B	--	3440	--	12600 J	--	--
PCB-009	E1668B	--	249	--	734	--	--
PCB-010	E1668B	--	203	--	911	--	--
PCB-011	E1668B	--	441	--	2670	--	--
PCB-012/013	E1668B	--	618	--	4170	--	--
PCB-014	E1668B	--	5.16 U	--	16.7 U	--	--
PCB-015	E1668B	--	4060	--	25700 J	--	--
PCB-016	E1668B	--	2760	--	4590	--	--
PCB-017	E1668B	--	3340	--	9250 J	--	--

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2102	Spring Surface Sediment 2103	Spring Surface Sediment 2104	Spring Surface Sediment 2105	Spring Surface Sediment 2106	Spring Surface Sediment 2107
Task		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
Tributary		0.91	0.93	0.978927	1.01	1.07	1.07
River Mile		NC027SG_20120506	NC028SG_20120506	NC082SG_20120712	NC029SG_20120424	NC030SG_20120501	NC031SG_20120501
Location ID		NC027SG-000010-20120506	NC028SG-000012-20120506	NC082SG-000015-20120712	NC029SG-000015-20120424	NC030SG-000015-20120501	NC031SG-000015-20120501
Sample ID		5/6/2012	5/6/2012	7/12/2012	4/24/2012	5/1/2012	5/1/2012
Sample Date		0 - 10 cm	0 - 12 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Sample Depth		29.8	27.8	29.9	15.4	21.3	25.8
Water Column Depth		N	N	N	N	N	N
Sample Type		SE	SE	SE	SE	SE	SE
Matrix							
PCB-018/030	E1668B	--	5630	--	13100 J	--	--
PCB-019	E1668B	--	645	--	1790	--	--
PCB-020/028	E1668B	--	12600 J	--	49900 J	--	--
PCB-021/033	E1668B	--	4760	--	11100	--	--
PCB-022	E1668B	--	3850	--	10900 J	--	--
PCB-023	E1668B	--	10.8	--	2.47 U	--	--
PCB-024	E1668B	--	74.2	--	2.96 U	--	--
PCB-025	E1668B	--	1340	--	5820 J	--	--
PCB-026/029	E1668B	--	2390	--	10500	--	--
PCB-027	E1668B	--	687	--	2450	--	--
PCB-031	E1668B	--	11600 J	--	39600 J	--	--
PCB-032	E1668B	--	1770	--	6340 J	--	--
PCB-034	E1668B	--	62.1	--	325	--	--
PCB-035	E1668B	--	223	--	1160	--	--
PCB-036	E1668B	--	6.55 U	--	9.29 U	--	--
PCB-037	E1668B	--	3190	--	15700 J	--	--
PCB-038	E1668B	--	7.24 J	--	10.1 U	--	--
PCB-039	E1668B	--	85.6	--	273	--	--
PCB-040/071	E1668B	--	2850 J	--	11500 J	--	--
PCB-041	E1668B	--	822 J	--	1890	--	--
PCB-042	E1668B	--	1760 J	--	6710 J	--	--
PCB-043	E1668B	--	320 J	--	933	--	--
PCB-044/047/065	E1668B	--	6660 J	--	24300 J	--	--
PCB-045	E1668B	--	--	--	--	--	--
PCB-045/051	E1668B	--	1150 J	--	3880	--	--
PCB-046	E1668B	--	364 J	--	1140	--	--
PCB-048	E1668B	--	1500 J	--	4630	--	--
PCB-049/069	E1668B	--	4420 J	--	19200 J	--	--
PCB-050/053	E1668B	--	890 J	--	2890	--	--
PCB-051	E1668B	--	--	--	--	--	--
PCB-052	E1668B	--	7920 J	--	27300 J	--	--
PCB-054	E1668B	--	27.3	--	86.2	--	--
PCB-055	E1668B	--	130 J	--	8.36 U	--	--

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2102	Spring Surface Sediment 2103	Spring Surface Sediment 2104	Spring Surface Sediment 2105	Spring Surface Sediment 2106	Spring Surface Sediment 2107
Task		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
Tributary		0.91	0.93	0.978927	1.01	1.07	1.07
River Mile		NC027SG_20120506	NC028SG_20120506	NC082SG_20120712	NC029SG_20120424	NC030SG_20120501	NC031SG_20120501
Location ID		NC027SG-000010-20120506	NC028SG-000012-20120506	NC082SG-000015-20120712	NC029SG-000015-20120424	NC030SG-000015-20120501	NC031SG-000015-20120501
Sample ID		5/6/2012	5/6/2012	7/12/2012	4/24/2012	5/1/2012	5/1/2012
Sample Date		0 - 10 cm	0 - 12 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Sample Depth		29.8	27.8	29.9	15.4	21.3	25.8
Water Column Depth		N	N	N	N	N	N
Sample Type		SE	SE	SE	SE	SE	SE
Matrix							
PCB-056	E1668B	--	3040 J	--	10300 J	--	--
PCB-057	E1668B	--	58.1 J	--	9.16 U	--	--
PCB-058	E1668B	--	114 J	--	105 J	--	--
PCB-059/062/075	E1668B	--	591 J	--	2010	--	--
PCB-060	E1668B	--	1650 J	--	5090	--	--
PCB-061/070/074/076	E1668B	--	9010 J	--	39800 J	--	--
PCB-063	E1668B	--	215 J	--	1230	--	--
PCB-064	E1668B	--	2480 J	--	9560 J	--	--
PCB-066	E1668B	--	5830 J	--	29000 J	--	--
PCB-067	E1668B	--	180 J	--	979	--	--
PCB-068	E1668B	--	41.5 J	--	336	--	--
PCB-072	E1668B	--	68.2 J	--	456	--	--
PCB-073	E1668B	--	0.928 UJ	--	3.73 U	--	--
PCB-077	E1668B	--	1210 J	--	4050	--	--
PCB-078	E1668B	--	3.06 UJ	--	9.62 U	--	--
PCB-079	E1668B	--	83.9 J	--	526	--	--
PCB-080	E1668B	--	44.4 J	--	8.45 U	--	--
PCB-081	E1668B	--	53.1	--	129	--	--
PCB-082	E1668B	--	953	--	2770	--	--
PCB-083	E1668B	--	399	--	1340	--	--
PCB-084	E1668B	--	1400	--	4390	--	--
PCB-085/116	E1668B	--	--	--	--	--	--
PCB-085/116/117	E1668B	--	1270	--	3650	--	--
PCB-086/087/097/108/119/125	E1668B	--	4790	--	15500	--	--
PCB-088	E1668B	--	--	--	--	--	--
PCB-088/091	E1668B	--	894	--	3630	--	--
PCB-089	E1668B	--	85.6	--	236	--	--
PCB-090/101/113	E1668B	--	7180	--	24800 J	--	--
PCB-091	E1668B	--	--	--	--	--	--
PCB-092	E1668B	--	1180	--	4130	--	--
PCB-093/100	E1668B	--	91.7	--	477	--	--
PCB-094	E1668B	--	34	--	188	--	--
PCB-095	E1668B	--	3090	--	13000 J	--	--

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2102	Spring Surface Sediment 2103	Spring Surface Sediment 2104	Spring Surface Sediment 2105	Spring Surface Sediment 2106	Spring Surface Sediment 2107
Task		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
Tributary		0.91	0.93	0.978927	1.01	1.07	1.07
River Mile		NC027SG_20120506	NC028SG_20120506	NC082SG_20120712	NC029SG_20120424	NC030SG_20120501	NC031SG_20120501
Location ID		NC027SG-000010-20120506	NC028SG-000012-20120506	NC082SG-000015-20120712	NC029SG-000015-20120424	NC030SG-000015-20120501	NC031SG-000015-20120501
Sample ID		5/6/2012	5/6/2012	7/12/2012	4/24/2012	5/1/2012	5/1/2012
Sample Date		0 - 10 cm	0 - 12 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Sample Depth		29.8	27.8	29.9	15.4	21.3	25.8
Water Column Depth		N	N	N	N	N	N
Sample Type		SE	SE	SE	SE	SE	SE
Matrix							
PCB-096	E1668B	--	57.3	--	196	--	--
PCB-098	E1668B	--	--	--	--	--	--
PCB-098/102	E1668B	--	174	--	920	--	--
PCB-099	E1668B	--	3690	--	12700 J	--	--
PCB-102	E1668B	--	--	--	--	--	--
PCB-103	E1668B	--	69.9	--	411	--	--
PCB-104	E1668B	--	3.5	--	24.3	--	--
PCB-105	E1668B	--	2940	--	9330 J	--	--
PCB-106	E1668B	--	4.79 U	--	12 U	--	--
PCB-107/124	E1668B	--	290	--	839	--	--
PCB-109	E1668B	--	563	--	1930	--	--
PCB-110	E1668B	--	--	--	--	--	--
PCB-110/115	E1668B	--	7960	--	27500 J	--	--
PCB-111	E1668B	--	3.52 J	--	5.4 U	--	--
PCB-112	E1668B	--	2.99 U	--	5.53 U	--	--
PCB-114	E1668B	--	181	--	481	--	--
PCB-115	E1668B	--	--	--	--	--	--
PCB-117	E1668B	--	--	--	--	--	--
PCB-118	E1668B	--	6820 J	--	23800 J	--	--
PCB-120	E1668B	--	95.6	--	128	--	--
PCB-121	E1668B	--	3.02 U	--	11.5 J	--	--
PCB-122	E1668B	--	93.9	--	262	--	--
PCB-123	E1668B	--	97.8	--	496 J	--	--
PCB-126	E1668B	--	102	--	323	--	--
PCB-127	E1668B	--	61.7	--	208 J	--	--
PCB-128/166	E1668B	--	1460	--	4720	--	--
PCB-129/138/163	E1668B	--	11200	--	35100 J	--	--
PCB-130	E1668B	--	607	--	2000	--	--
PCB-131	E1668B	--	132	--	381	--	--
PCB-132	E1668B	--	3240	--	9700 J	--	--
PCB-133	E1668B	--	144	--	599	--	--
PCB-134	E1668B	--	559	--	1340	--	--
PCB-135/151	E1668B	--	3130	--	10400	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2102	Spring Surface Sediment 2103	Spring Surface Sediment 2104	Spring Surface Sediment 2105	Spring Surface Sediment 2106	Spring Surface Sediment 2107
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	0.91	0.93	0.978927	1.01	1.07	1.07
		Location ID	NC027SG_20120506	NC028SG_20120506	NC082SG_20120712	NC029SG_20120424	NC030SG_20120501	NC031SG_20120501
		Sample ID	NC027SG-000010-20120506	NC028SG-000012-20120506	NC082SG-000015-20120712	NC029SG-000015-20120424	NC030SG-000015-20120501	NC031SG-000015-20120501
		Sample Date	5/6/2012	5/6/2012	7/12/2012	4/24/2012	5/1/2012	5/1/2012
		Sample Depth	0 - 10 cm	0 - 12 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	29.8	27.8	29.9	15.4	21.3	25.8
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-136	E1668B	--	1070	--	3580	--	--	
PCB-137	E1668B	--	393	--	1350	--	--	
PCB-139/140	E1668B	--	167	--	486	--	--	
PCB-141	E1668B	--	1930	--	5570	--	--	
PCB-142	E1668B	--	4.12 U	--	15.1 U	--	--	
PCB-143	E1668B	--	3.69 U	--	14.1 U	--	--	
PCB-144	E1668B	--	493	--	1430	--	--	
PCB-145	E1668B	--	2.88 J	--	6.32	--	--	
PCB-146	E1668B	--	1550	--	5780 J	--	--	
PCB-147/149	E1668B	--	9210 J	--	29800 J	--	--	
PCB-148	E1668B	--	1.61 U	--	99.8	--	--	
PCB-150	E1668B	--	44.5	--	161	--	--	
PCB-152	E1668B	--	8.02	--	35.6	--	--	
PCB-153/168	E1668B	--	9620 J	--	32300 J	--	--	
PCB-154	E1668B	--	257	--	954	--	--	
PCB-155	E1668B	--	6.97	--	29.6	--	--	
PCB-156/157	E1668B	--	1070	--	3530	--	--	
PCB-158	E1668B	--	1100	--	3240	--	--	
PCB-159	E1668B	--	5.88 U	--	8.78 U	--	--	
PCB-160	E1668B	--	2.94 U	--	11.8 U	--	--	
PCB-161	E1668B	--	2.84 U	--	10.1 U	--	--	
PCB-162	E1668B	--	5.74 U	--	8.3 U	--	--	
PCB-164	E1668B	--	727	--	2180	--	--	
PCB-165	E1668B	--	4.34 J	--	19 J	--	--	
PCB-167	E1668B	--	358	--	1310	--	--	
PCB-169	E1668B	--	19.8 J	--	103 J	--	--	
PCB-170	E1668B	--	2540 J	--	7610 J	--	--	
PCB-171/173	E1668B	--	817 J	--	2610	--	--	
PCB-172	E1668B	--	421 J	--	1340	--	--	
PCB-174	E1668B	--	2810 J	--	8750 J	--	--	
PCB-175	E1668B	--	117 J	--	426	--	--	
PCB-176	E1668B	--	324 J	--	1160	--	--	
PCB-177	E1668B	--	1670 J	--	5350	--	--	

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2102	Spring Surface Sediment 2103	Spring Surface Sediment 2104	Spring Surface Sediment 2105	Spring Surface Sediment 2106	Spring Surface Sediment 2107
Task		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
Tributary		0.91	0.93	0.978927	1.01	1.07	1.07
River Mile		NC027SG_20120506	NC028SG_20120506	NC082SG_20120712	NC029SG_20120424	NC030SG_20120501	NC031SG_20120501
Location ID		NC027SG-000010-20120506	NC028SG-000012-20120506	NC082SG-000015-20120712	NC029SG-000015-20120424	NC030SG-000015-20120501	NC031SG-000015-20120501
Sample ID		5/6/2012	5/6/2012	7/12/2012	4/24/2012	5/1/2012	5/1/2012
Sample Date		0 - 10 cm	0 - 12 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Sample Depth		29.8	27.8	29.9	15.4	21.3	25.8
Water Column Depth		N	N	N	N	N	N
Sample Type		SE	SE	SE	SE	SE	SE
Matrix							
PCB-178	E1668B	--	569 J	--	2310	--	--
PCB-179	E1668B	--	1230 J	--	4230	--	--
PCB-180/193	E1668B	--	6080 J	--	18400 J	--	--
PCB-181	E1668B	--	22.9 J	--	63	--	--
PCB-182	E1668B	--	1.22 UJ	--	5.25 U	--	--
PCB-183	E1668B	--	--	--	--	--	--
PCB-183/185	E1668B	--	1920 J	--	5990	--	--
PCB-184	E1668B	--	4.73 J	--	25.2	--	--
PCB-185	E1668B	--	--	--	--	--	--
PCB-186	E1668B	--	0.963 UJ	--	4.21 U	--	--
PCB-187	E1668B	--	4160 J	--	12400 J	--	--
PCB-188	E1668B	--	17.2 J	--	53.7	--	--
PCB-189	E1668B	--	92.1	--	355	--	--
PCB-190	E1668B	--	494 J	--	1420	--	--
PCB-191	E1668B	--	104 J	--	290	--	--
PCB-192	E1668B	--	2.77 UJ	--	6.39 U	--	--
PCB-194	E1668B	--	1550	--	4490	--	--
PCB-195	E1668B	--	539	--	1710	--	--
PCB-196	E1668B	--	755	--	2210	--	--
PCB-197	E1668B	--	--	--	--	--	--
PCB-197/200	E1668B	--	229	--	807	--	--
PCB-198/199	E1668B	--	1970	--	6210	--	--
PCB-200	E1668B	--	--	--	--	--	--
PCB-201	E1668B	--	214	--	826	--	--
PCB-202	E1668B	--	463	--	1560	--	--
PCB-203	E1668B	--	1140	--	3470	--	--
PCB-204	E1668B	--	1.66 U	--	5.77	--	--
PCB-205	E1668B	--	69.8	--	250	--	--
PCB-206	E1668B	--	1440	--	4550	--	--
PCB-207	E1668B	--	118	--	437	--	--
PCB-208	E1668B	--	491	--	1700	--	--
PCB-209	E1668B	--	1040	--	3940	--	--
Total PCB congener (U = 0)	--	--	248356.2 J	--	872204.99 J	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2102	Spring Surface Sediment 2103	Spring Surface Sediment 2104	Spring Surface Sediment 2105	Spring Surface Sediment 2106	Spring Surface Sediment 2107
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		0.91	0.93	0.978927	1.01	1.07	1.07
Location ID		NC027SG_20120506	NC028SG_20120506	NC082SG_20120712	NC029SG_20120424	NC030SG_20120501	NC031SG_20120501
Sample ID		NC027SG-000010-20120506	NC028SG-000012-20120506	NC082SG-000015-20120712	NC029SG-000015-20120424	NC030SG-000015-20120501	NC031SG-000015-20120501
Sample Date		5/6/2012	5/6/2012	7/12/2012	4/24/2012	5/1/2012	5/1/2012
Sample Depth		0 - 10 cm	0 - 12 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		29.8	27.8	29.9	15.4	21.3	25.8
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total PCB congener (U = 1/2)	--	--	248386.165 J	--	872298.89 J	--	--
Total PCB congener TEQ 1998 (avian) (U = 0)	--	--	76.5 J	--	249.39671 J	--	--
Total PCB congener TEQ 1998 (avian) (U = 1/2)	--	--	76.5 J	--	249.39671 J	--	--
Total PCB congener TEQ 1998 (fish) (U = 0)	--	--	0.7 J	--	2.28616 J	--	--
Total PCB congener TEQ 1998 (fish) (U = 1/2)	--	--	0.7 J	--	2.28616 J	--	--
Total PCB congener TEQ 2005 (mammal) (U = 0)	--	--	11.3 J	--	37.01276 J	--	--
Total PCB congener TEQ 2005 (mammal) (U = 1/2)	--	--	11.3 J	--	37.01276 J	--	--
Total Petroleum Hydrocarbons (mg/kg)							
Diesel range organics (C10 - C28)	SW8015M	1920	2430	14700	1830	1680	8580
Phytane	SW8015M	1.27 J	2.14	42.5 J	1.93	1.46	1.99 J
Pristane	SW8015M	1.51	2.56	17.6	1.87	1.57	2.59 J
Total petroleum hydrocarbons (C9-C40)	SW8015M	3680	4230	19900	3880	3330	11500
Radionuclides (pci/g)							
Beryllium 7	HASL300	--	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2108	Spring Surface Sediment 2109	Spring Surface Sediment 2110	Spring Surface Sediment 2111	Spring Surface Sediment 2112	Spring Surface Sediment 2113
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.08	1.16	1.16	1.17	1.25	1.25
Location ID		NC032SG_20120501	NC034SG_20120421	NC035SG_20120421	NC033SG_20120421	NC036SG_20120430	NC036SG_20120430
Sample ID		NC032SG-000015-20120501	NC034SG-000011-20120421	NC035SG-000015-20120421	NC033SG-000015-20120421	NC036SG-000003-20120430	NC036SG-000015-20120430
Sample Date		5/1/2012	4/21/2012	4/21/2012	4/21/2012	4/30/2012	4/30/2012
Sample Depth		0 - 15 cm	0 - 11 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
Water Column Depth		13.8	27.5	16.2	24.6	13.9	13.9
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Conventional Parameters (lb/ft³)							
Density	D7263	26.1	22.7	24.6	26.8	--	24.1
Conventional Parameters (mg/kg)							
Ammonia as nitrogen	SM4500NH3H	39	25 U	25 U	27 U	--	59
Cyanide, total	SW9012A	3.1 U	3.3 U	3.1 U	3.4 U	--	3.2 U
Nitrate + nitrite as nitrogen	SM4500NO3F	11	8.6 U	8.4 U	8 U	--	8.4 U
Nitrogen ((No Suggestions))	SM4500NORGC	3600 J	1200	2600	1500	--	5500
Phosphorus	SM4500PE	1500	2000 J	1200 J	1500 J	--	1600
Sulfide	SW9030B	3800	3700	270	6500	--	1300
Conventional Parameters (pct)							
Moisture (water) content	D2216	202.7	--	--	--	--	--
Moisture, percent	D2216	62.3	--	--	--	--	--
Soot carbon	SOOTC	0.17	0.289 J	0.231 J	0.155 J	--	0.232
Total organic carbon	SW9060	3.245	3.62	3.92	3.225	--	3.43 J
Total solids	SM2540G	30.7	29.2	30.9	28.4	--	29.4
Conventional Parameters (SU)							
pH	SW9045C	7.7	8	8.2	7.9	--	7.9
Conventional Parameters (unitless)							
Liquid limit	D4318	124	--	--	--	--	--
Plastic limit	D4318	44	--	--	--	--	--
Plasticity index	D4318	80	--	--	--	--	--
Specific gravity	D854	2.59	--	--	--	--	--
Grain Size (pct)							
Cobbles	D422	0	0	0	0	--	0
Gravel	D422	0.1	0	0.4	1.9	--	0
Sand	D422	12.8	5.5	6.1	9.1	--	4.1
Fines (silt + clay)	D422	87.1	94.5	93.5	89	--	95.9
Percent passing 0.375 inch (3/8 inch sieve)	D422	100	100	100	100	--	--
Percent passing 0.5 inch (1/2 inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4 inch sieve)	D422	--	--	--	--	--	--
Percent passing 1 inch (1 inch sieve)	D422	--	--	--	--	--	--
Percent passing 75 micron sieve (#200)	D422	87	94	94	89	--	96
Percent passing 150 micron sieve (#100)	D422	8	96	95	90	--	97

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2108	Spring Surface Sediment 2109	Spring Surface Sediment 2110	Spring Surface Sediment 2111	Spring Surface Sediment 2112	Spring Surface Sediment 2113
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.08	1.16	1.16	1.17	1.25	1.25
Location ID		NC032SG_20120501	NC034SG_20120421	NC035SG_20120421	NC033SG_20120421	NC036SG_20120430	NC036SG_20120430
Sample ID		NC032SG-000015-20120501	NC034SG-000011-20120421	NC035SG-000015-20120421	NC033SG-000015-20120421	NC036SG-000003-20120430	NC036SG-000015-20120430
Sample Date		5/1/2012	4/21/2012	4/21/2012	4/21/2012	4/30/2012	4/30/2012
Sample Depth		0 - 15 cm	0 - 11 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
Water Column Depth		13.8	27.5	16.2	24.6	13.9	13.9
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Percent passing 250 micron sieve (#60)	D422	90	98	96	91	--	98
Percent passing 425 micron sieve (#40)	D422	91	99	97	92	--	99
Percent passing 850 micron sieve (#20)	D422	94	99	98	94	--	99
Percent passing 2000 micron sieve (#10)	D422	96	100	99	97	--	100
Percent passing 4750 micron sieve (#4)	D422	100	100	100	98	--	100
Metals (mg/kg)							
Aluminum	SW6020A	12700	14800	14400	13000	--	15700
Antimony	SW6020A	0.44 J	0.454 J	0.539 J	0.412 J	--	0.919 J
Arsenic	SW6020A	15.2	12.8	14.7	10.2	--	16.3
Barium	SW6020A	83.4	97.3 J	87.5 J	68.5 J	--	97.9
Beryllium	SW6020A	1.15	0.975	0.894	0.806	--	1
Cadmium	SW6020A	3.25	3.28 J	3.11 J	2.28 J	--	3.59
Calcium	SW6020A	7060	6880 J	7040 J	6120 J	--	8380
Chromium	SW6020A	85.2	90.9 J	83.1 J	63.6 J	--	84.7
Cobalt	SW6020A	12.9	12.5 J	12.4 J	9.86 J	--	12.8
Copper	SW6020A	224	255 J	231 J	173 J	--	271
Iron	SW6020A	27700	33600	36400	29200	--	34600
Lead	SW6020A	191	208	181	130	--	239
Magnesium	SW6020A	10300	9550	9360	8600	--	11000
Manganese	SW6020A	444	452 J	469 J	337 J	--	430
Mercury	E1631M	0.97	1.1 J	1.59 J	1.18 J	--	1.17
Nickel	SW6020A	44.8	48.9 J	49.4 J	37.4 J	--	50.3
Potassium	SW6020A	3270	3910 J	3680 J	3590 J	--	3660 J
Selenium	SW6020A	3.45	1.68	1.8	1.24	--	2.37 J
Silver	SW6020A	3.59	4.16	3.86	4.08	--	4.72
Sodium	SW6020A	19000	18300 J	15600 J	19000 J	--	20400 J
Thallium	SW6020A	0.638	0.302	0.314	0.242	--	0.329
Tin	SW6020A	17.1	19.8	21	18.8	--	19.4
Vanadium	SW6020A	41.3	39.3	40.4	32.9	--	42.2
Zinc	SW6020A	508	503 J	490 J	348 J	--	608 J
Organometallic Compounds (µg/kg)							
Methyl mercury	E1630M	1.07 J	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2108	Spring Surface Sediment 2109	Spring Surface Sediment 2110	Spring Surface Sediment 2111	Spring Surface Sediment 2112	Spring Surface Sediment 2113
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.08	1.16	1.16	1.17	1.25	1.25
Location ID		NC032SG_20120501	NC034SG_20120421	NC035SG_20120421	NC033SG_20120421	NC036SG_20120430	NC036SG_20120430
Sample ID		NC032SG-000015-20120501	NC034SG-000011-20120421	NC035SG-000015-20120421	NC033SG-000015-20120421	NC036SG-000003-20120430	NC036SG-000015-20120430
Sample Date		5/1/2012	4/21/2012	4/21/2012	4/21/2012	4/30/2012	4/30/2012
Sample Depth		0 - 15 cm	0 - 11 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
Water Column Depth		13.8	27.5	16.2	24.6	13.9	13.9
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Volatile Organics (µg/kg)							
1,1,1-Trichloroethane	SW8260B	3.2 U	3.4 U	3.2 U	3.5 U	--	3.3 U
1,1,2,2-Tetrachloroethane	SW8260B	3.2 U	3.4 U	3.2 U	3.5 U	--	3.3 U
1,1,2-Trichloroethane	SW8260B	4.9 U	5.1 U	4.8 U	5.3 U	--	5 U
1,1,2-Trichlorotrifluoroethane	SW8260B	65 U	68 U	65 U	70 U	--	67 U
1,1-Dichloroethane	SW8260B	4.9 U	5.1 U	4.8 U	5.3 U	--	5 U
1,1-Dichloroethene	SW8260B	3.2 U	3.4 U	3.2 U	3.5 U	--	3.3 U
1,2,3-Trichlorobenzene	SW8260B	16 U	17 U	16 U	18 U	--	17 UJ
1,2,4-Trichlorobenzene	SW8260B	16 U	17 U	16 U	18 U	--	17 UJ
1,2-Dibromo-3-chloropropane	SW8260B	16 U	17 U	16 U	18 U	--	17 UJ
1,2-Dichlorobenzene	SW8260B	16 U	17 U	16 U	18 U	--	17 UJ
1,2-Dichloroethane	SW8260B	3.2 U	3.4 U	3.2 U	3.5 U	--	3.3 U
1,2-Dichloroethene, cis-	SW8260B	3.2 U	3.4 U	3.2 U	3.5 U	--	3.3 U
1,2-Dichloroethene, trans-	SW8260B	4.9 U	5.1 U	4.8 U	5.3 U	--	5 U
1,2-Dichloropropane	SW8260B	11 U	12 U	11 U	12 U	--	12 U
1,3-Dichlorobenzene	SW8260B	16 U	17 U	16 U	18 U	--	17 UJ
1,3-Dichloropropene, cis-	SW8260B	3.2 U	3.4 U	3.2 U	3.5 U	--	3.3 U
1,3-Dichloropropene, trans-	SW8260B	3.2 U	3.4 U	3.2 U	3.5 U	--	3.3 U
1,4-Dichlorobenzene	SW8260B	16 U	17 U	16 U	18 U	--	17 UJ
2-Butanone (MEK)	SW8260B	39	86	48	88	--	18 J
2-Hexanone (methyl butyl ketone)	SW8260B	32 U	34 U	32 U	35 U	--	33 U
Acetone	SW8260B	210	460	230	430	--	100 J
Benzene	SW8260B	3.2 U	3.4 U	3.2 U	3.5 U	--	3.3 U
Bromochloromethane	SW8260B	16 U	17 U	16 U	18 U	--	17 U
Bromodichloromethane	SW8260B	3.2 U	3.4 U	3.2 U	3.5 U	--	3.3 U
Bromoform (tribromomethane)	SW8260B	13 U	14 U	13 U	14 U	--	13 U
Bromomethane (methyl bromide)	SW8260B	6.5 U	6.8 U	6.5 U	7 U	--	6.7 U
Carbon disulfide	SW8260B	12 J	14 J	5.3 J	21 J	--	2.9 J
Carbon tetrachloride (tetrachloromethane)	SW8260B	3.2 U	3.4 U	3.2 U	3.5 U	--	3.3 U
Chlorobenzene	SW8260B	3.2 U	3.4 U	3.2 U	3.5 U	--	3.3 UJ
Chloroethane	SW8260B	6.5 U	6.8 U	6.5 U	7 U	--	6.7 U
Chloroform	SW8260B	4.9 U	5.1 U	4.8 U	5.3 U	--	5 U

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2108	Spring Surface Sediment 2109	Spring Surface Sediment 2110	Spring Surface Sediment 2111	Spring Surface Sediment 2112	Spring Surface Sediment 2113
Task		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
Tributary		1.08	1.16	1.16	1.17	1.25	1.25
River Mile		NC032SG_20120501	NC034SG_20120421	NC035SG_20120421	NC033SG_20120421	NC036SG_20120430	NC036SG_20120430
Location ID		NC032SG-000015-20120501	NC034SG-000011-20120421	NC035SG-000015-20120421	NC033SG-000015-20120421	NC036SG-000003-20120430	NC036SG-000015-20120430
Sample ID		5/1/2012	4/21/2012	4/21/2012	4/21/2012	4/30/2012	4/30/2012
Sample Date		0 - 15 cm	0 - 11 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
Sample Depth		13.8	27.5	16.2	24.6	13.9	13.9
Water Column Depth		N	N	N	N	N	N
Sample Type		SE	SE	SE	SE	SE	SE
Matrix							
Chloromethane	SW8260B	16 U	17 U	16 U	18 U	--	17 U
Cyclohexane	SW8260B	65 U	68 U	65 U	70 U	--	-- R
Dibromochloromethane	SW8260B	3.2 U	3.4 U	3.2 U	3.5 U	--	3.3 U
Dichlorodifluoromethane	SW8260B	32 U	34 U	32 U	35 U	--	33 U
Dichloromethane (methylene chloride)	SW8260B	32 U	34 U	32 U	35 U	--	33 U
Ethylbenzene	SW8260B	3.2 U	3.4 U	3.2 U	3.5 U	--	3.3 UJ
Ethylene dibromide (1,2-Dibromoethane)	SW8260B	13 U	14 U	13 U	14 U	--	13 U
Isopropylbenzene (cumene)	SW8260B	3.2 U	3.4 U	3.2 U	3.5 U	--	3.3 UJ
m,p-Xylene	SW8260B	6.5 U	6.8 U	6.5 U	7 U	--	6.7 UJ
Methyl acetate	SW8260B	65 U	68 U	65 U	70 U	--	-- R
Methyl isobutyl ketone (4-methyl-2-pentanone [MIBK])	SW8260B	32 U	34 U	32 U	35 U	--	33 U
Methyl tert-butyl ether (MTBE)	SW8260B	6.5 U	6.8 U	6.5 U	7 U	--	6.7 U
Methylcyclohexane	SW8260B	13 U	14 U	13 U	14 U	--	13 UJ
o-Xylene	SW8260B	6.5 U	6.8 U	6.5 U	7 U	--	6.7 UJ
Styrene	SW8260B	6.5 U	6.8 U	6.5 U	7 U	--	6.7 UJ
Tetrachloroethene (PCE)	SW8260B	3.2 U	3.4 U	2 J	3.5 U	--	3.3 UJ
Toluene	SW8260B	4.9 U	5.1 U	4.8 U	5.3 U	--	5 UJ
Total BTEX (U = 0)	--	6.5 U	6.8 U	6.5 U	7 U	--	6.7 UJ
Total BTEX (U = 1/2)	--	6.5 U	6.8 U	6.5 U	7 U	--	6.7 UJ
Total xylene (U = 0)	--	6.5 U	6.8 U	6.5 U	7 U	--	6.7 UJ
Total xylene (U = 1/2)	--	6.5 U	6.8 U	6.5 U	7 U	--	6.7 UJ
Trichloroethene (TCE)	SW8260B	3.2 U	3.4 U	3.2 U	3.5 U	--	3.3 U
Trichlorofluoromethane (fluorotrichloromethane)	SW8260B	16 U	17 U	16 U	18 U	--	17 U
Vinyl acetate	SW8260B	32 U	34 U	32 U	35 U	--	33 UJ
Vinyl chloride	SW8260B	6.5 U	6.8 U	6.5 U	7 U	--	6.7 U
Semivolatile Organics (µg/kg)							
1,2,4,5-Tetrachlorobenzene	SW8270C	500 UJ	1100 U	1000 U	480 U	--	440 U
1,4-Dioxane	SW8270C	1000 UJ	2200 UJ	2100 UJ	970 UJ	--	890 U
2,3,4,6-Tetrachlorophenol	SW8270C	500 UJ	1100 U	1000 U	480 U	--	440 U
2,4,5-Trichlorophenol	SW8270C	500 U	1100 U	1000 U	480 U	--	440 U
2,4,6-Trichlorophenol	SW8270C	500 UJ	1100 U	1000 U	480 U	--	440 U

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2108	Spring Surface Sediment 2109	Spring Surface Sediment 2110	Spring Surface Sediment 2111	Spring Surface Sediment 2112	Spring Surface Sediment 2113
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.08	1.16	1.16	1.17	1.25	1.25
Location ID		NC032SG_20120501	NC034SG_20120421	NC035SG_20120421	NC033SG_20120421	NC036SG_20120430	NC036SG_20120430
Sample ID		NC032SG-000015-20120501	NC034SG-000011-20120421	NC035SG-000015-20120421	NC033SG-000015-20120421	NC036SG-000003-20120430	NC036SG-000015-20120430
Sample Date		5/1/2012	4/21/2012	4/21/2012	4/21/2012	4/30/2012	4/30/2012
Sample Depth		0 - 15 cm	0 - 11 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
Water Column Depth		13.8	27.5	16.2	24.6	13.9	13.9
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
2,4-Dichlorophenol	SW8270C	100 U	220 U	210 U	97 U	--	89 U
2,4-Dimethylphenol	SW8270C	500 UJ	1100 U	1000 U	480 U	--	440 U
2,4-Dinitrophenol	SW8270C	2600 UJ	5700 U	5300 U	2500 U	--	2300 U
2,4-Dinitrotoluene	SW8270C	500 U	1100 U	1000 U	480 U	--	440 U
2,6-Dinitrotoluene	SW8270C	500 U	1100 U	1000 U	480 U	--	440 U
2-Chloronaphthalene	SW8270C	100 UJ	220 U	210 U	97 U	--	89 U
2-Chlorophenol	SW8270C	500 U	1100 U	1000 U	480 U	--	440 U
2-Methylnaphthalene	SW8270C	100	140 J	160 J	120	--	130
2-Methylphenol (o-Cresol)	SW8270C	500 U	1100 U	1000 U	480 U	--	440 U
2-Nitroaniline	SW8270C	2600 UJ	5700 U	5300 U	2500 U	--	2300 U
2-Nitrophenol	SW8270C	500 U	1100 U	1000 U	480 U	--	440 U
3,3'-Dichlorobenzidine	SW8270C	500 UJ	1100 UJ	1000 UJ	480 UJ	--	440 UJ
3-methylphenol and 4-methylphenol (m&p-cresol)	SW8270C	500 U	260 J	110 J	58 J	--	45 J
3-Nitroaniline	SW8270C	2600 UJ	5700 U	5300 U	2500 U	--	2300 U
4-Bromophenyl-phenyl ether	SW8270C	500 U	1100 U	1000 U	480 U	--	440 U
4-Chloro-3-methylphenol	SW8270C	500 U	1100 U	1000 U	480 U	--	440 U
4-Chloroaniline	SW8270C	42 J	1100 U	1000 U	85 J	--	97 J
4-Chlorophenyl phenyl ether	SW8270C	500 U	1100 U	1000 U	480 U	--	440 U
4-Nitroaniline	SW8270C	2600 UJ	5700 U	5300 U	2500 U	--	2300 U
4-Nitrophenol	SW8270C	2600 UJ	5700 U	5300 U	2500 U	--	2300 U
Acenaphthene	SW8270C	73 J	220 U	210 U	120	--	110
Acenaphthylene	SW8270C	150	180 J	210 U	110	--	180
Acetophenone	SW8270C	500 U	1100 U	1000 U	49 J	--	440 U
Anthracene	SW8270C	280	350	630	310	--	380
Atrazine	SW8270C	500 U	1100 UJ	1000 UJ	480 UJ	--	440 UJ
Benzaldehyde	SW8270C	330 J	1100 UJ	190 J	170 J	--	140 J
Benzo(a)anthracene	SW8270C	1200	1400	1500	860	--	1000
Benzo(a)pyrene	SW8270C	940 J	1600	1300	900	--	1200
Benzo(b)fluoranthene	SW8270C	1200 J	1400	1200	1000	--	1300
Benzo(g,h,i)perylene	SW8270C	380 J	820	600	520	--	720
Benzo(k)fluoranthene	SW8270C	470	1000	780	340	--	420
Biphenyl (1,1'-Biphenyl)	SW8270C	500 UJ	1100 U	1000 U	43 J	--	48 J

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2108	Spring Surface Sediment 2109	Spring Surface Sediment 2110	Spring Surface Sediment 2111	Spring Surface Sediment 2112	Spring Surface Sediment 2113
Task		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
Tributary		1.08	1.16	1.16	1.17	1.25	1.25
River Mile							
Location ID		NC032SG_20120501	NC034SG_20120421	NC035SG_20120421	NC033SG_20120421	NC036SG_20120430	NC036SG_20120430
Sample ID		NC032SG-000015-20120501	NC034SG-000011-20120421	NC035SG-000015-20120421	NC033SG-000015-20120421	NC036SG-000003-20120430	NC036SG-000015-20120430
Sample Date		5/1/2012	4/21/2012	4/21/2012	4/21/2012	4/30/2012	4/30/2012
Sample Depth		0 - 15 cm	0 - 11 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
Water Column Depth		13.8	27.5	16.2	24.6	13.9	13.9
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
bis(2-Chloroethoxy)methane	SW8270C	500 U	1100 U	1000 U	480 U	--	440 U
bis(2-Chloroethyl)ether	SW8270C	100 U	220 U	210 U	97 U	--	89 U
bis(2-Chloroisopropyl)ether	SW8270C	100 UJ	220 U	210 U	97 U	--	89 U
Bis(2-ethylhexyl)phthalate	SW8270C	4600	6100	5600	4100	--	6200
Butylbenzyl phthalate	SW8270C	500 U	360 J	1800	120 J	--	340 J
Caprolactam	SW8270C	2600 UJ	5700 UJ	5300 UJ	2500 UJ	--	2300 U
Carbazole	SW8270C	64 J	220 U	96 J	56 J	--	110
Chrysene	SW8270C	1200 J	1200	1600	780	--	1200
Dibenzo(a,h)anthracene	SW8270C	360 J	240	160 J	130	--	160
Dibenzofuran	SW8270C	70 J	1100 U	100 J	76 J	--	91 J
Diethyl phthalate	SW8270C	500 U	1100 U	1000 U	480 U	--	440 U
Dimethyl phthalate	SW8270C	500 U	1100 U	1000 U	480 U	--	440 U
Di-n-butyl phthalate	SW8270C	78 J	1100 U	1000 U	66 J	--	120 J
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)	SW8270C	2600 UJ	5700 U	5300 U	2500 U	--	2300 U
Di-n-octyl phthalate	SW8270C	500 U	1100 U	1000 U	480 U	--	110 J
Fluoranthene	SW8270C	1100	1700	1700	1300	--	1800
Fluorene	SW8270C	82 J	150 J	140 J	95 J	--	130
Hexachlorobenzene	SW8270C	100 U	220 U	210 U	97 U	--	89 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270C	100 U	220 U	210 U	97 U	--	89 U
Hexachlorocyclopentadiene	SW8270C	500 UJ	1100 U	1000 U	480 U	--	440 U
Hexachloroethane	SW8270C	500 U	1100 U	1000 U	480 U	--	440 U
Indeno(1,2,3-c,d)pyrene	SW8270C	510 J	780	670	470	--	610
Isophorone	SW8270C	500 U	1100 U	1000 U	480 U	--	440 U
Naphthalene	SW8270C	160	210 J	250	190	--	200
Nitrobenzene	SW8270C	1000 UJ	2200 U	2100 U	970 U	--	890 U
N-Nitrosodi-N-propylamine	SW8270C	100 UJ	220 U	210 U	97 U	--	89 U
N-Nitrosodiphenylamine	SW8270C	500 U	1100 U	1000 U	480 U	--	440 U
Pentachlorophenol	SW8270C	500 UJ	1100 U	1000 U	480 U	--	440 U
Phenanthrene	SW8270C	520	810	730	550	--	870
Phenol	SW8270C	100 U	220 U	210 U	97 U	--	89 U
Pyrene	SW8270C	1600	2600	2300	1500	--	2000

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2108	Spring Surface Sediment 2109	Spring Surface Sediment 2110	Spring Surface Sediment 2111	Spring Surface Sediment 2112	Spring Surface Sediment 2113
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.08	1.16	1.16	1.17	1.25	1.25
Location ID		NC032SG_20120501	NC034SG_20120421	NC035SG_20120421	NC033SG_20120421	NC036SG_20120430	NC036SG_20120430
Sample ID		NC032SG-000015-20120501	NC034SG-000011-20120421	NC035SG-000015-20120421	NC033SG-000015-20120421	NC036SG-000003-20120430	NC036SG-000015-20120430
Sample Date		5/1/2012	4/21/2012	4/21/2012	4/21/2012	4/30/2012	4/30/2012
Sample Depth		0 - 15 cm	0 - 11 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
Water Column Depth		13.8	27.5	16.2	24.6	13.9	13.9
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total cresol (o,m,p) (U = 0)	--	500 U	260 J	110 J	58 J	--	45 J
Total cresol (o,m,p) (U = 1/2)	--	500 U	810 J	610 J	298 J	--	265 J
Polycyclic Aromatic Hydrocarbons (µg/kg)							
1,6,7-Trimethylnaphthalene	SW8270CMSIM	37.9	30.9	55	81.3	--	43.4
1-Methyldibenzothiophene	SW8270CMSIM	19.9	20.9	30.5	36	--	27.3
1-Methylnaphthalene	SW8270CMSIM	80.4	90.8	115	81.8	--	86
1-Methylphenanthrene	SW8270CMSIM	158	136	334	219	--	193
2,6-Dimethylnaphthalene	SW8270CMSIM	161	155	180	198	--	180
2-Methylantracene	SW8270CMSIM	167	121	211	157	--	161
2-Methyldibenzothiophene and 3-methyldibenzothiophene	SW8270CMSIM	58.9	27.7	45.4	56.2	--	76.6
2-Methylnaphthalene	SW8270CMSIM	212	227	246	212	--	230
2-Methylphenanthrene	SW8270CMSIM	186	154	362	210	--	218
4-Methyldibenzothiophene	SW8270CMSIM	64.3	57.7	94.8	133	--	91.1
4-Methylphenanthrene and 9-methylphenanthrene	SW8270CMSIM	205	170	377	258	--	237
Acenaphthene	SW8270CMSIM	120	102	240	146	--	122
Acenaphthylene	SW8270CMSIM	170	253	254	261	--	198
Anthracene	SW8270CMSIM	513	431	839	596	--	516
Benzo(a)anthracene	SW8270CMSIM	1520	1170	2070	1410	--	1390
Benzo(a)pyrene	SW8270CMSIM	1660	1330	2020	1380	--	1670
Benzo(b)fluoranthene	SW8270CMSIM	1640	1360	1850	1340	--	1820
Benzo(e)pyrene	SW8270CMSIM	1310	1130	1500	1100	--	1470
Benzo(g,h,i)perylene	SW8270CMSIM	1020	899	1260	876	--	1160
Benzo(j,k)fluoranthene	SW8270CMSIM	1360	1130	1690	1180	--	1330
Benzonaphthothiophene	SW8270CMSIM	667	411	562	455	--	737
Benzothiophene	SW8270CMSIM	16.6 J	15.7 J	15.4 J	14.7 J	--	16.9 J
Carbazole	SW8270CMSIM	86.8	75.2	204	90.8	--	116
Chrysene	SW8270CMSIM	1520	1160	2060	1410	--	1520 J
Decalin, cis and trans-	SW8270CMSIM	22.3	14.6	22.6	34.3	--	25.9
Dibenzo(a,h)anthracene and dibenzo(a,c)anthracene	SW8270CMSIM	339	277	380	264	--	375
Dibenzothiophene	SW8270CMSIM	101	91.1	176	127	--	114

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2108	Spring Surface Sediment 2109	Spring Surface Sediment 2110	Spring Surface Sediment 2111	Spring Surface Sediment 2112	Spring Surface Sediment 2113
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.08	1.16	1.16	1.17	1.25	1.25
Location ID		NC032SG_20120501	NC034SG_20120421	NC035SG_20120421	NC033SG_20120421	NC036SG_20120430	NC036SG_20120430
Sample ID		NC032SG-000015-20120501	NC034SG-000011-20120421	NC035SG-000015-20120421	NC033SG-000015-20120421	NC036SG-000003-20120430	NC036SG-000015-20120430
Sample Date		5/1/2012	4/21/2012	4/21/2012	4/21/2012	4/30/2012	4/30/2012
Sample Depth		0 - 15 cm	0 - 11 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
Water Column Depth		13.8	27.5	16.2	24.6	13.9	13.9
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Fluoranthene	SW8270CMSIM	3100	2030	4120	2650	--	3340
Fluorene	SW8270CMSIM	146	112	254	147	--	148
Indeno(1,2,3-c,d)pyrene	SW8270CMSIM	987	923	1360	918	--	1080
Naphthalene	SW8270CMSIM	319	345	375	309	--	338
Perylene	SW8270CMSIM	564	462	646	471	--	607
Phenanthrene	SW8270CMSIM	946	752	2470	965	--	1030
Pyrene	SW8270CMSIM	3860	2820	4440	2920	--	3930
Retene	SW8270CMSIM	19.2 U	20.2 U	18.8 U	20.9 U	--	18.2 U
Total benzofluoranthenes (U = 0)	--	3000	2490	3540	2520	--	3150
Total benzofluoranthenes (U = 1/2)	--	3000	2490	3540	2520	--	3150
Total cPAH TEQ (USEPA 1993) (U = 0)	--	2428.82	1964.76	2946.96	2024.01	--	2488.82 J
Total cPAH TEQ (USEPA 1993) (U = 1/2)	--	2428.82	1964.76	2946.96	2024.01	--	2488.82 J
Total HPAH (9 of 16) (U = 0)	--	17006	13099	21250	14348	--	17615 J
Total HPAH (9 of 16) (U = 1/2)	--	17006	13099	21250	14348	--	17615 J
Total LPAH (7 of 16) (U = 0)	--	2426	2222	4678	2636	--	2582
Total LPAH (7 of 16) (U = 1/2)	--	2426	2222	4678	2636	--	2582
Total PAH (16) (U = 0)	--	19432	15321	25928	16984	--	20197 J
Total PAH (16) (U = 1/2)	--	19432	15321	25928	16984	--	20197 J
Alkylated Polycyclic Aromatic Hydrocarbons (µg/kg)							
C1-Benzo(a)anthracenes/chrysenes	SW8270CMSIM	1250	1340	1610	1260	--	1470
C1-Benzo(b)thiophenes	SW8270CMSIM	23.2	26.5	41.3	43.2	--	32.9
C1-Decalins	SW8270CMSIM	127	136	143	184	--	163
C1-Dibenzothiophenes	SW8270CMSIM	168	131	210	257	--	224
C1-Fluoranthenes/Pyrenes	SW8270CMSIM	2880	2080	2700	2170	--	396
C1-Fluorenes	SW8270CMSIM	121	117	204	208	--	136
C1-Naphthalenes	SW8270CMSIM	174	195	223	188	--	187
C1-Phenanthrenes/Anthracenes	SW8270CMSIM	868	729	1610	1090	--	994
C2-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	1090	1290	1360	1130	--	1270
C2-Benzo(b)thiophenes	SW8270CMSIM	28.8	32.7	34.4	43.5	--	29.7
C2-Decalins	SW8270CMSIM	494	571	565	590	--	580
C2-Dibenzothiophenes	SW8270CMSIM	391	387	505	664	--	583
C2-Fluorenes	SW8270CMSIM	317	324	537	635	--	450
C2-Naphthalenes	SW8270CMSIM	214	241	300	330	--	244

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2108	Spring Surface Sediment 2109	Spring Surface Sediment 2110	Spring Surface Sediment 2111	Spring Surface Sediment 2112	Spring Surface Sediment 2113
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.08	1.16	1.16	1.17	1.25	1.25
Location ID		NC032SG_20120501	NC034SG_20120421	NC035SG_20120421	NC033SG_20120421	NC036SG_20120430	NC036SG_20120430
Sample ID		NC032SG-000015-20120501	NC034SG-000011-20120421	NC035SG-000015-20120421	NC033SG-000015-20120421	NC036SG-000003-20120430	NC036SG-000015-20120430
Sample Date		5/1/2012	4/21/2012	4/21/2012	4/21/2012	4/30/2012	4/30/2012
Sample Depth		0 - 15 cm	0 - 11 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
Water Column Depth		13.8	27.5	16.2	24.6	13.9	13.9
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
C2-Phenanthrenes/Anthracenes	SW8270CMSIM	1010	982	1700	1560	--	1480
C3-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	941	1150	1160	1020	--	1160
C3-Benzo(b)thiophenes	SW8270CMSIM	57.2	87.6	93.2	126	--	68.9
C3-Decalins	SW8270CMSIM	514	620	667	609	--	602
C3-Dibenzothiophenes	SW8270CMSIM	603	631	661	688	--	863
C3-Fluorenes	SW8270CMSIM	661	889	966	932	--	867
C3-Naphthalenes	SW8270CMSIM	222	247	540	667	--	300
C3-Phenanthrenes/Anthracenes	SW8270CMSIM	1090	1060	1380	1220	--	1460
C4-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	532	613	595	561	--	611
C4-Benzo(b)thiophenes	SW8270CMSIM	72.6	113	121	151	--	87.1
C4-Decalins	SW8270CMSIM	857	1170	1290	1070	--	1130
C4-Dibenzothiophenes	SW8270CMSIM	442	462	452	439	--	606
C4-Naphthalenes	SW8270CMSIM	318	353	743	800	--	463
C4-Phenanthrenes/Anthracenes	SW8270CMSIM	804	780	794	729	--	982
n-Alkanes and Isoprenoids (µg/kg)							
2,6,10-Trimethyldodecane	SW8015M	350 J	355 J	433 J	604 J	--	539 J
2,6,10-Trimethyltridecane	SW8015M	1080 J	671 J	951 J	1000 J	--	1400 J
n-Decane (C10)	SW8015M	1280 U	1350 U	1250 U	1390 U	--	1210 U
n-Docosane (C22)	SW8015M	377 J	332 J	487 J	376 J	--	524 J
n-Dodecane (C12)	SW8015M	1280 U	1350 U	1250 U	1390 U	--	1210 U
n-Dotriacontane (C32)	SW8015M	3700	4750	4230	3740	--	4630
n-Eicosane (C20)	SW8015M	446 J	433 J	513 J	978 J	--	502 J
n-Heneicosane (C21)	SW8015M	515 J	528 J	656 J	441 J	--	697 J
n-Hentriacontane (C31)	SW8015M	2070	1720	2410	1750	--	2710
n-Heptacosane (C27)	SW8015M	1960	1760	2050	1880	--	3850
n-Heptadecane (C17)	SW8015M	717 J	652 J	688 J	601 J	--	879 J
n-Heptatriacontane (C37)	SW8015M	867 J	618 J	851 J	712 J	--	697 J
n-Hexacosane (C26)	SW8015M	1010 J	841 J	983 J	939 J	--	1160 J
n-Hexadecane (C16)	SW8015M	498 J	466 J	542 J	406 J	--	505 J
n-Hexatriacontane (C36)	SW8015M	944 J	515 J	666 J	514 J	--	878 J
n-Nonacosane (C29)	SW8015M	3780	1970	3020	2150	--	4690
n-Nonadecane (C19)	SW8015M	377 J	398 J	397 J	1390 U	--	480 J
n-Nonane (C9)	SW8015M	1280 U	1350 U	1250 U	1390 U	--	1210 U

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2108	Spring Surface Sediment 2109	Spring Surface Sediment 2110	Spring Surface Sediment 2111	Spring Surface Sediment 2112	Spring Surface Sediment 2113
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.08	1.16	1.16	1.17	1.25	1.25
Location ID		NC032SG_20120501	NC034SG_20120421	NC035SG_20120421	NC033SG_20120421	NC036SG_20120430	NC036SG_20120430
Sample ID		NC032SG-000015-20120501	NC034SG-000011-20120421	NC035SG-000015-20120421	NC033SG-000015-20120421	NC036SG-000003-20120430	NC036SG-000015-20120430
Sample Date		5/1/2012	4/21/2012	4/21/2012	4/21/2012	4/30/2012	4/30/2012
Sample Depth		0 - 15 cm	0 - 11 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
Water Column Depth		13.8	27.5	16.2	24.6	13.9	13.9
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
n-Nonatriacontane (C39)	SW8015M	754 J	560 J	933 J	680 J	--	931 J
n-Octacosane (C28)	SW8015M	953 J	1040 J	1140 J	980 J	--	1120 J
n-Octadecane (C18)	SW8015M	1190 J	1110 J	2940 J	1240 J	--	1410 J
n-Octatriacontane (C38)	SW8015M	594 J	506 J	716 J	587 J	--	709 J
Norpristane	SW8015M	723 J	560 J	1030 J	977 J	--	1000 J
n-Pentacosane (C25)	SW8015M	2880 J	868 J	791 J	829 J	--	7800 J
n-Pentadecane (C15)	SW8015M	571 J	721 J	935 J	809 J	--	713 J
n-Pentatriacontane (C35)	SW8015M	1030 J	1020 J	1250	1030 J	--	1040 J
n-Tetracontane (C40)	SW8015M	631 J	512 J	756 J	656 J	--	888 J
n-Tetracosane (C24)	SW8015M	299 J	255 J	356 J	334 J	--	392 J
n-Tetradecane (C14)	SW8015M	420 J	487 J	520 J	509 J	--	597 J
n-Tetratriacontane (C34)	SW8015M	1600	1520	1720	1690	--	1910
n-Triacontane (C30)	SW8015M	1250 J	1120 J	1310	1100 J	--	1530
n-Tricosane (C23)	SW8015M	257 J	367 J	406 J	282 J	--	734 J
n-Tridecane (C13)	SW8015M	1280 U	1350 U	1250 U	1390 U	--	1210 U
n-Tritriacontane (C33)	SW8015M	4710	3650	2620	1960	--	6460
n-Undecane (C11)	SW8015M	1280 U	1350 U	1250 U	1390 U	--	1210 U
Pesticides (µg/kg)							
2,4'-DDD (o,p'-DDD)	SW8081A	2.6	4.2 J	3 J	3.2 J	--	0.28 U
2,4'-DDE (o,p'-DDE)	SW8081A	2.3 J	4 J	2.5 J	1.9 J	--	0.99 J
2,4'-DDT (o,p'-DDT)	SW8081A	0.25 U	0.28 UJ	0.26 UJ	0.3 UJ	--	0.28 U
4,4'-DDD (p,p'-DDD)	SW8081A	6.3	9.6 J	7.2 J	6.2 J	--	8.3
4,4'-DDE (p,p'-DDE)	SW8081A	7	6.6 J	4.7 J	4.4 J	--	5.4 J
4,4'-DDT (p,p'-DDT)	SW8081A	1.9 J	2.7 J	4 J	3.4 J	--	3.2
Aldrin	SW8081A	0.1 J	1 J	0.26 UJ	1.2 J	--	0.055 J
alpha-Hexachlorocyclohexane (BHC)	SW8081A	0.25 U	0.28 UJ	0.26 UJ	0.3 UJ	--	0.28 U
Chlordane, alpha- (cis-Chlordane)	SW8081A	4.9	5.6 J	5 J	4.1 J	--	6.3
Chlordane, beta- (trans-Chlordane)	SW8081A	0.25 U	0.28 UJ	0.26 UJ	0.3 UJ	--	0.28 U
delta-Hexachlorocyclohexane (BHC)	SW8081A	0.25 U	14 J	0.26 UJ	0.3 UJ	--	0.28 U
Dieldrin	SW8081A	1.4	1.5 J	1.4 J	1.5 J	--	1.3 J
Endosulfan sulfate	SW8081A	0.33 J	0.35 J	0.5 J	0.7 J	--	0.82 J
Endosulfan-alpha (I)	SW8081A	0.25 U	0.28 UJ	0.26 UJ	0.3 UJ	--	0.28 J
Endosulfan-beta (II)	SW8081A	0.25 UJ	0.28 UJ	0.091 J	0.37 J	--	0.12 J

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2108	Spring Surface Sediment 2109	Spring Surface Sediment 2110	Spring Surface Sediment 2111	Spring Surface Sediment 2112	Spring Surface Sediment 2113
Task		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
Tributary		1.08	1.16	1.16	1.17	1.25	1.25
River Mile		NC032SG_20120501	NC034SG_20120421	NC035SG_20120421	NC033SG_20120421	NC036SG_20120430	NC036SG_20120430
Location ID		NC032SG-000015-20120501	NC034SG-000011-20120421	NC035SG-000015-20120421	NC033SG-000015-20120421	NC036SG-000003-20120430	NC036SG-000015-20120430
Sample ID		5/1/2012	4/21/2012	4/21/2012	4/21/2012	4/30/2012	4/30/2012
Sample Date		0 - 15 cm	0 - 11 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
Sample Depth		13.8	27.5	16.2	24.6	13.9	13.9
Water Column Depth		N	N	N	N	N	N
Sample Type		SE	SE	SE	SE	SE	SE
Matrix							
Endrin	SW8081A	0.66	1.2 J	0.63 J	0.42 J	--	1.6
Endrin aldehyde	SW8081A	0.078 J	0.28 UJ	0.1 J	0.16 J	--	0.06 J
Endrin ketone	SW8081A	0.63 J	1.2 J	0.6 J	0.46 J	--	1.5 J
Heptachlor	SW8081A	0.25 U	0.28 UJ	0.26 UJ	0.3 UJ	--	0.28 U
Heptachlor epoxide	SW8081A	0.25 U	0.46 J	0.14 J	0.36 J	--	0.49 J
Hexachlorobenzene	SW8081A	0.22 J	0.68 J	0.18 J	0.54 J	--	0.57
Hexachlorocyclohexane, beta- (BHC)	SW8081A	0.25 U	0.28 UJ	0.26 UJ	0.3 UJ	--	0.28 U
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	SW8081A	0.25 U	0.76 J	0.26 UJ	0.3 UJ	--	0.28 U
Methoxychlor	SW8081A	0.87 J	0.56 UJ	0.83 J	0.6 UJ	--	2.1 J
Mirex	SW8081A	0.25 U	0.28 UJ	0.26 UJ	0.13 J	--	2.9
Nonachlor, cis-	SW8081A	0.85 J	1 J	0.77 J	1.2 J	--	0.86 J
Nonachlor, trans-	SW8081A	1.2	0.28 UJ	0.26 UJ	0.3 UJ	--	0.45 J
Oxychlordane	SW8081A	0.25 J	0.28 UJ	0.62 J	0.3 UJ	--	0.78 J
Sum DDD (U = 0)	--	8.9	13.8 J	10.2 J	9.4 J	--	8.3
Sum DDD (U = 1/2)	--	8.9	13.8 J	10.2 J	9.4 J	--	8.44
Sum DDE (U = 0)	--	9.3 J	10.6 J	7.2 J	6.3 J	--	6.39 J
Sum DDE (U = 1/2)	--	9.3 J	10.6 J	7.2 J	6.3 J	--	6.39 J
Sum DDT (U = 0)	--	1.9 J	2.7 J	4 J	3.4 J	--	3.2
Sum DDT (U = 1/2)	--	2.02 J	2.84 J	4.13 J	3.55 J	--	3.34
Total chlordanes (U = 0)	--	7.2 J	6.6 J	6.39 J	5.3 J	--	8.39 J
Total chlordanes (U = 1/2)	--	7.33 J	7.02 J	6.65 J	5.75 J	--	8.53 J
Total DDX (U = 0)	--	20.1 J	27.1 J	21.4 J	19.1 J	--	17.89 J
Total DDX (U = 1/2)	--	20.23 J	27.24 J	21.53 J	19.25 J	--	18.17 J
Toxaphene	SW8081A	10 U	11 UJ	10 UJ	12 UJ	--	11 U
Pesticides - High Resolution (µg/kg)							
2,4'-DDD (o,p'-DDD)	E1699	3.8	--	--	--	--	--
2,4'-DDE (o,p'-DDE)	E1699	1	--	--	--	--	--
2,4'-DDT (o,p'-DDT)	E1699	0.26 J	--	--	--	--	--
4,4'-DDD (p,p'-DDD)	E1699	12	--	--	--	--	--
4,4'-DDE (p,p'-DDE)	E1699	15	--	--	--	--	--
4,4'-DDT (p,p'-DDT)	E1699	6.2 J	--	--	--	--	--
Aldrin	E1699	0.071 J	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2108	Spring Surface Sediment 2109	Spring Surface Sediment 2110	Spring Surface Sediment 2111	Spring Surface Sediment 2112	Spring Surface Sediment 2113
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.08	1.16	1.16	1.17	1.25	1.25
Location ID		NC032SG_20120501	NC034SG_20120421	NC035SG_20120421	NC033SG_20120421	NC036SG_20120430	NC036SG_20120430
Sample ID		NC032SG-000015-20120501	NC034SG-000011-20120421	NC035SG-000015-20120421	NC033SG-000015-20120421	NC036SG-000003-20120430	NC036SG-000015-20120430
Sample Date		5/1/2012	4/21/2012	4/21/2012	4/21/2012	4/30/2012	4/30/2012
Sample Depth		0 - 15 cm	0 - 11 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
Water Column Depth		13.8	27.5	16.2	24.6	13.9	13.9
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
alpha-Hexachlorocyclohexane (BHC)	E1699	0.082 J	--	--	--	--	--
Chlordane, alpha- (cis-Chlordane)	E1699	6.8	--	--	--	--	--
Chlordane, beta- (trans-Chlordane)	E1699	7.8	--	--	--	--	--
delta-Hexachlorocyclohexane (BHC)	E1699	0.025 U	--	--	--	--	--
Dieldrin	E1699	2.5	--	--	--	--	--
Endosulfan sulfate	E1699	0.025 U	--	--	--	--	--
Endosulfan-alpha (I)	E1699	0.1 U	--	--	--	--	--
Endosulfan-beta (II)	E1699	0.31 J	--	--	--	--	--
Endrin	E1699	0.069 U	--	--	--	--	--
Endrin aldehyde	E1699	0.073 U	--	--	--	--	--
Endrin ketone	E1699	0.071 U	--	--	--	--	--
Heptachlor	E1699	0.05 U	--	--	--	--	--
Heptachlor epoxide	E1699	0.17 J	--	--	--	--	--
Hexachlorobenzene	E1699	0.93	--	--	--	--	--
Hexachlorocyclohexane, beta- (BHC)	E1699	0.074 J	--	--	--	--	--
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	E1699	0.065 J	--	--	--	--	--
Methoxychlor	E1699	0.61 U	--	--	--	--	--
Mirex	E1699	0.26 J	--	--	--	--	--
Nonachlor, cis-	E1699	1.8	--	--	--	--	--
Nonachlor, trans-	E1699	4.4	--	--	--	--	--
Oxychlordane	E1699	0.075 J	--	--	--	--	--
Sum DDD high resolution (U = 0)	--	15.8	--	--	--	--	--
Sum DDD high resolution (U = 1/2)	--	15.8	--	--	--	--	--
Sum DDE high resolution (U = 0)	--	16	--	--	--	--	--
Sum DDE high resolution (U = 1/2)	--	16	--	--	--	--	--
Sum DDT high resolution (U = 0)	--	6.46 J	--	--	--	--	--
Sum DDT high resolution (U = 1/2)	--	6.46 J	--	--	--	--	--
Total chlordane high resolution (U = 0)	--	20.875 J	--	--	--	--	--
Total chlordane high resolution (U = 1/2)	--	20.875 J	--	--	--	--	--
Total DDx high resolution (U = 0)	--	38.26 J	--	--	--	--	--
Total DDx high resolution (U = 1/2)	--	38.26 J	--	--	--	--	--
Toxaphene	E1699	5.5 U	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2108	Spring Surface Sediment 2109	Spring Surface Sediment 2110	Spring Surface Sediment 2111	Spring Surface Sediment 2112	Spring Surface Sediment 2113
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.08	1.16	1.16	1.17	1.25	1.25
Location ID		NC032SG_20120501	NC034SG_20120421	NC035SG_20120421	NC033SG_20120421	NC036SG_20120430	NC036SG_20120430
Sample ID		NC032SG-000015-20120501	NC034SG-000011-20120421	NC035SG-000015-20120421	NC033SG-000015-20120421	NC036SG-000003-20120430	NC036SG-000015-20120430
Sample Date		5/1/2012	4/21/2012	4/21/2012	4/21/2012	4/30/2012	4/30/2012
Sample Depth		0 - 15 cm	0 - 11 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
Water Column Depth		13.8	27.5	16.2	24.6	13.9	13.9
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Herbicides (µg/kg)							
2,2-Dichloropropionic acid (dalapon)	SW8151A	270 U	300 UJ	280 UJ	320 UJ	--	300 UJ
2,4,5-T (2,4,5-trichlorophenoxyacetic acid)	SW8151A	61 U	66 U	63 U	72 U	--	67 U
2,4,5-TP (Silvex)	SW8151A	61 U	66 U	63 U	72 U	--	67 U
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	240 U	270 U	250 U	290 U	--	270 U
2,4-DB (2,4-D derivative)	SW8151A	240 U	270 U	250 U	290 U	--	270 U
Dicamba	SW8151A	120 U	130 U	130 U	140 U	--	130 U
Dichlorprop	SW8151A	75 J	270 U	250 U	290 U	--	270 U
Dinoseb	SW8151A	36 U	40 UJ	38 UJ	43 UJ	--	40 UJ
Mecoprop (MCP)	SW8151A	24000 U	27000 U	25000 U	29000 U	--	27000 U
Mephanac (MCPA)	SW8151A	24000 U	27000 U	25000 U	29000 U	--	27000 U
Dioxin Furans (ng/kg)							
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	6.74	--	--	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	11.3	--	--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	15.1	--	--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	42.2	--	--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	33.4	--	--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B	570	--	--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B	5100	--	--	--	--	--
Total tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	150 J	--	--	--	--	--
Total pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	162 J	--	--	--	--	--
Total hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	473 J	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2108	Spring Surface Sediment 2109	Spring Surface Sediment 2110	Spring Surface Sediment 2111	Spring Surface Sediment 2112	Spring Surface Sediment 2113
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	1.08	1.16	1.16	1.17	1.25	1.25
		Location ID	NC032SG_20120501	NC034SG_20120421	NC035SG_20120421	NC033SG_20120421	NC036SG_20120430	NC036SG_20120430
		Sample ID	NC032SG-000015-20120501	NC034SG-000011-20120421	NC035SG-000015-20120421	NC033SG-000015-20120421	NC036SG-000003-20120430	NC036SG-000015-20120430
		Sample Date	5/1/2012	4/21/2012	4/21/2012	4/21/2012	4/30/2012	4/30/2012
		Sample Depth	0 - 15 cm	0 - 11 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
		Water Column Depth	13.8	27.5	16.2	24.6	13.9	13.9
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
Total heptachlorodibenzo-p-dioxin (HpCDD)	E1613B		1250	--	--	--	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B		24.3	--	--	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B		32.9	--	--	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B		33.2	--	--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B		99.5	--	--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B		58.6 J	--	--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B		10.4	--	--	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B		43	--	--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B		633	--	--	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B		24.2	--	--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B		636	--	--	--	--	--
Total tetrachlorodibenzofuran (TCDF)	E1613B		486 J	--	--	--	--	--
Total pentachlorodibenzofuran (PeCDF)	E1613B		526 J	--	--	--	--	--
Total hexachlorodibenzofuran (HxCDF)	E1613B		664 J	--	--	--	--	--
Total heptachlorodibenzofuran (HpCDF)	E1613B		894	--	--	--	--	--
Total dioxin/furan TEQ 1998 (avian) (U = 0)	--		112.21 J	--	--	--	--	--
Total dioxin/furan TEQ 1998 (avian) (U = 1/2)	--		112.21 J	--	--	--	--	--
Total dioxin/furan TEQ 1998 (fish) (U = 0)	--		74.67 J	--	--	--	--	--
Total dioxin/furan TEQ 1998 (fish) (U = 1/2)	--		74.67 J	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2108	Spring Surface Sediment 2109	Spring Surface Sediment 2110	Spring Surface Sediment 2111	Spring Surface Sediment 2112	Spring Surface Sediment 2113
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.08	1.16	1.16	1.17	1.25	1.25
Location ID		NC032SG_20120501	NC034SG_20120421	NC035SG_20120421	NC033SG_20120421	NC036SG_20120430	NC036SG_20120430
Sample ID		NC032SG-000015-20120501	NC034SG-000011-20120421	NC035SG-000015-20120421	NC033SG-000015-20120421	NC036SG-000003-20120430	NC036SG-000015-20120430
Sample Date		5/1/2012	4/21/2012	4/21/2012	4/21/2012	4/30/2012	4/30/2012
Sample Depth		0 - 15 cm	0 - 11 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
Water Column Depth		13.8	27.5	16.2	24.6	13.9	13.9
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total dioxin/furan TEQ 2005 (mammal) (U = 0)	--	75.63 J	--	--	--	--	--
Total dioxin/furan TEQ 2005 (mammal) (U = 1/2)	--	75.63 J	--	--	--	--	--
PCB Aroclors (µg/kg)							
Aroclor 1016	SW8082A	13 U	7 U	6.6 U	7.5 U	--	6.9 U
Aroclor 1221	SW8082A	13 U	7 U	6.6 U	7.5 U	--	6.9 U
Aroclor 1232	SW8082A	13 U	7 U	6.6 U	7.5 U	--	6.9 U
Aroclor 1242	SW8082A	200	280 J	300 J	350 J	--	140
Aroclor 1248	SW8082A	13 U	7 U	6.6 U	7.5 U	--	6.9 U
Aroclor 1254	SW8082A	320	290 J	300 J	370 J	--	220
Aroclor 1260	SW8082A	13 U	7 U	6.6 U	7.5 U	--	6.9 U
Aroclor 1262	SW8082A	13 U	7 U	6.6 U	7.5 U	--	6.9 U
Aroclor 1268	SW8082A	13 U	7 U	6.6 U	7.5 U	--	6.9 U
Total PCB Aroclors (U = 0)	--	520	570 J	600 J	720 J	--	360
Total PCB Aroclors (U = 1/2)	--	565.5	594.5 J	623.1 J	746.3 J	--	384.1
PCB Congeners (ng/kg)							
PCB-001	E1668B	4020	--	--	--	--	--
PCB-002	E1668B	463	--	--	--	--	--
PCB-003	E1668B	2690	--	--	--	--	--
PCB-004	E1668B	7760	--	--	--	--	--
PCB-005	E1668B	219 J	--	--	--	--	--
PCB-006	E1668B	4070	--	--	--	--	--
PCB-007	E1668B	468	--	--	--	--	--
PCB-008	E1668B	13800 J	--	--	--	--	--
PCB-009	E1668B	823	--	--	--	--	--
PCB-010	E1668B	805	--	--	--	--	--
PCB-011	E1668B	2400	--	--	--	--	--
PCB-012/013	E1668B	3530	--	--	--	--	--
PCB-014	E1668B	16 U	--	--	--	--	--
PCB-015	E1668B	23700 J	--	--	--	--	--
PCB-016	E1668B	5810	--	--	--	--	--
PCB-017	E1668B	10000	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2108	Spring Surface Sediment 2109	Spring Surface Sediment 2110	Spring Surface Sediment 2111	Spring Surface Sediment 2112	Spring Surface Sediment 2113
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	1.08	1.16	1.16	1.17	1.25	1.25
		Location ID	NC032SG_20120501	NC034SG_20120421	NC035SG_20120421	NC033SG_20120421	NC036SG_20120430	NC036SG_20120430
		Sample ID	NC032SG-000015-20120501	NC034SG-000011-20120421	NC035SG-000015-20120421	NC033SG-000015-20120421	NC036SG-000003-20120430	NC036SG-000015-20120430
		Sample Date	5/1/2012	4/21/2012	4/21/2012	4/21/2012	4/30/2012	4/30/2012
		Sample Depth	0 - 15 cm	0 - 11 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
		Water Column Depth	13.8	27.5	16.2	24.6	13.9	13.9
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-018/030	E1668B	15000	--	--	--	--	--	--
PCB-019	E1668B	2190	--	--	--	--	--	--
PCB-020/028	E1668B	44000 J	--	--	--	--	--	--
PCB-021/033	E1668B	11000	--	--	--	--	--	--
PCB-022	E1668B	10600	--	--	--	--	--	--
PCB-023	E1668B	35.2	--	--	--	--	--	--
PCB-024	E1668B	158	--	--	--	--	--	--
PCB-025	E1668B	5130	--	--	--	--	--	--
PCB-026/029	E1668B	9200	--	--	--	--	--	--
PCB-027	E1668B	2540	--	--	--	--	--	--
PCB-031	E1668B	34100 J	--	--	--	--	--	--
PCB-032	E1668B	7010	--	--	--	--	--	--
PCB-034	E1668B	267	--	--	--	--	--	--
PCB-035	E1668B	997	--	--	--	--	--	--
PCB-036	E1668B	16.2 U	--	--	--	--	--	--
PCB-037	E1668B	13400 J	--	--	--	--	--	--
PCB-038	E1668B	16.6 U	--	--	--	--	--	--
PCB-039	E1668B	237	--	--	--	--	--	--
PCB-040/071	E1668B	13800	--	--	--	--	--	--
PCB-041	E1668B	2360	--	--	--	--	--	--
PCB-042	E1668B	8310	--	--	--	--	--	--
PCB-043	E1668B	1090	--	--	--	--	--	--
PCB-044/047/065	E1668B	29500	--	--	--	--	--	--
PCB-045	E1668B	--	--	--	--	--	--	--
PCB-045/051	E1668B	5640	--	--	--	--	--	--
PCB-046	E1668B	1760	--	--	--	--	--	--
PCB-048	E1668B	5410	--	--	--	--	--	--
PCB-049/069	E1668B	21200	--	--	--	--	--	--
PCB-050/053	E1668B	4310	--	--	--	--	--	--
PCB-051	E1668B	--	--	--	--	--	--	--
PCB-052	E1668B	33500 J	--	--	--	--	--	--
PCB-054	E1668B	97	--	--	--	--	--	--
PCB-055	E1668B	337	--	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2108	Spring Surface Sediment 2109	Spring Surface Sediment 2110	Spring Surface Sediment 2111	Spring Surface Sediment 2112	Spring Surface Sediment 2113
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	1.08	1.16	1.16	1.17	1.25	1.25
		Location ID	NC032SG_20120501	NC034SG_20120421	NC035SG_20120421	NC033SG_20120421	NC036SG_20120430	NC036SG_20120430
		Sample ID	NC032SG-000015-20120501	NC034SG-000011-20120421	NC035SG-000015-20120421	NC033SG-000015-20120421	NC036SG-000003-20120430	NC036SG-000015-20120430
		Sample Date	5/1/2012	4/21/2012	4/21/2012	4/21/2012	4/30/2012	4/30/2012
		Sample Depth	0 - 15 cm	0 - 11 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
		Water Column Depth	13.8	27.5	16.2	24.6	13.9	13.9
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-056	E1668B		11000	--	--	--	--	--
PCB-057	E1668B		831	--	--	--	--	--
PCB-058	E1668B		106 J	--	--	--	--	--
PCB-059/062/075	E1668B		2740	--	--	--	--	--
PCB-060	E1668B		5100	--	--	--	--	--
PCB-061/070/074/076	E1668B		40600	--	--	--	--	--
PCB-063	E1668B		1190	--	--	--	--	--
PCB-064	E1668B		11300	--	--	--	--	--
PCB-066	E1668B		26500 J	--	--	--	--	--
PCB-067	E1668B		1030	--	--	--	--	--
PCB-068	E1668B		295	--	--	--	--	--
PCB-072	E1668B		468	--	--	--	--	--
PCB-073	E1668B		16.1 U	--	--	--	--	--
PCB-077	E1668B		4490	--	--	--	--	--
PCB-078	E1668B		26.4 U	--	--	--	--	--
PCB-079	E1668B		160	--	--	--	--	--
PCB-080	E1668B		23.5 U	--	--	--	--	--
PCB-081	E1668B		123 J	--	--	--	--	--
PCB-082	E1668B		3130	--	--	--	--	--
PCB-083	E1668B		1560	--	--	--	--	--
PCB-084	E1668B		6590	--	--	--	--	--
PCB-085/116	E1668B		--	--	--	--	--	--
PCB-085/116/117	E1668B		4430	--	--	--	--	--
PCB-086/087/097/108/119/125	E1668B		17200	--	--	--	--	--
PCB-088	E1668B		--	--	--	--	--	--
PCB-088/091	E1668B		4760	--	--	--	--	--
PCB-089	E1668B		357	--	--	--	--	--
PCB-090/101/113	E1668B		27500	--	--	--	--	--
PCB-091	E1668B		--	--	--	--	--	--
PCB-092	E1668B		4970	--	--	--	--	--
PCB-093/100	E1668B		581	--	--	--	--	--
PCB-094	E1668B		246	--	--	--	--	--
PCB-095	E1668B		20200 J	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2108	Spring Surface Sediment 2109	Spring Surface Sediment 2110	Spring Surface Sediment 2111	Spring Surface Sediment 2112	Spring Surface Sediment 2113
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	1.08	1.16	1.16	1.17	1.25	1.25
		Location ID	NC032SG_20120501	NC034SG_20120421	NC035SG_20120421	NC033SG_20120421	NC036SG_20120430	NC036SG_20120430
		Sample ID	NC032SG-000015-20120501	NC034SG-000011-20120421	NC035SG-000015-20120421	NC033SG-000015-20120421	NC036SG-000003-20120430	NC036SG-000015-20120430
		Sample Date	5/1/2012	4/21/2012	4/21/2012	4/21/2012	4/30/2012	4/30/2012
		Sample Depth	0 - 15 cm	0 - 11 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
		Water Column Depth	13.8	27.5	16.2	24.6	13.9	13.9
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-096	E1668B		324	--	--	--	--	--
PCB-098	E1668B		--	--	--	--	--	--
PCB-098/102	E1668B		1270	--	--	--	--	--
PCB-099	E1668B		14600 J	--	--	--	--	--
PCB-102	E1668B		--	--	--	--	--	--
PCB-103	E1668B		518	--	--	--	--	--
PCB-104	E1668B		25.6	--	--	--	--	--
PCB-105	E1668B		9970	--	--	--	--	--
PCB-106	E1668B		54.6 U	--	--	--	--	--
PCB-107/124	E1668B		883	--	--	--	--	--
PCB-109	E1668B		1930	--	--	--	--	--
PCB-110	E1668B		--	--	--	--	--	--
PCB-110/115	E1668B		28900 J	--	--	--	--	--
PCB-111	E1668B		467	--	--	--	--	--
PCB-112	E1668B		27 U	--	--	--	--	--
PCB-114	E1668B		576	--	--	--	--	--
PCB-115	E1668B		--	--	--	--	--	--
PCB-117	E1668B		--	--	--	--	--	--
PCB-118	E1668B		26300 J	--	--	--	--	--
PCB-120	E1668B		122	--	--	--	--	--
PCB-121	E1668B		27 U	--	--	--	--	--
PCB-122	E1668B		268	--	--	--	--	--
PCB-123	E1668B		407	--	--	--	--	--
PCB-126	E1668B		324	--	--	--	--	--
PCB-127	E1668B		213 J	--	--	--	--	--
PCB-128/166	E1668B		4890	--	--	--	--	--
PCB-129/138/163	E1668B		34200	--	--	--	--	--
PCB-130	E1668B		1770	--	--	--	--	--
PCB-131	E1668B		562	--	--	--	--	--
PCB-132	E1668B		9830	--	--	--	--	--
PCB-133	E1668B		82.6 U	--	--	--	--	--
PCB-134	E1668B		98.2 U	--	--	--	--	--
PCB-135/151	E1668B		13100	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2108	Spring Surface Sediment 2109	Spring Surface Sediment 2110	Spring Surface Sediment 2111	Spring Surface Sediment 2112	Spring Surface Sediment 2113
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	1.08	1.16	1.16	1.17	1.25	1.25
		Location ID	NC032SG_20120501	NC034SG_20120421	NC035SG_20120421	NC033SG_20120421	NC036SG_20120430	NC036SG_20120430
		Sample ID	NC032SG-000015-20120501	NC034SG-000011-20120421	NC035SG-000015-20120421	NC033SG-000015-20120421	NC036SG-000003-20120430	NC036SG-000015-20120430
		Sample Date	5/1/2012	4/21/2012	4/21/2012	4/21/2012	4/30/2012	4/30/2012
		Sample Depth	0 - 15 cm	0 - 11 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
		Water Column Depth	13.8	27.5	16.2	24.6	13.9	13.9
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-136	E1668B		4400	--	--	--	--	--
PCB-137	E1668B		920	--	--	--	--	--
PCB-139/140	E1668B		75 U	--	--	--	--	--
PCB-141	E1668B		6330	--	--	--	--	--
PCB-142	E1668B		84.1 U	--	--	--	--	--
PCB-143	E1668B		1290	--	--	--	--	--
PCB-144	E1668B		1690	--	--	--	--	--
PCB-145	E1668B		28.4 U	--	--	--	--	--
PCB-146	E1668B		5240	--	--	--	--	--
PCB-147/149	E1668B		30700 J	--	--	--	--	--
PCB-148	E1668B		36.6 U	--	--	--	--	--
PCB-150	E1668B		153	--	--	--	--	--
PCB-152	E1668B		46 J	--	--	--	--	--
PCB-153/168	E1668B		33200 J	--	--	--	--	--
PCB-154	E1668B		846	--	--	--	--	--
PCB-155	E1668B		30.2	--	--	--	--	--
PCB-156/157	E1668B		3780	--	--	--	--	--
PCB-158	E1668B		3180	--	--	--	--	--
PCB-159	E1668B		45.9 U	--	--	--	--	--
PCB-160	E1668B		64 U	--	--	--	--	--
PCB-161	E1668B		58.1 U	--	--	--	--	--
PCB-162	E1668B		42.2 U	--	--	--	--	--
PCB-164	E1668B		2240	--	--	--	--	--
PCB-165	E1668B		65.1 U	--	--	--	--	--
PCB-167	E1668B		1480	--	--	--	--	--
PCB-169	E1668B		358 J	--	--	--	--	--
PCB-170	E1668B		12400	--	--	--	--	--
PCB-171/173	E1668B		3720	--	--	--	--	--
PCB-172	E1668B		2440	--	--	--	--	--
PCB-174	E1668B		17700 J	--	--	--	--	--
PCB-175	E1668B		668	--	--	--	--	--
PCB-176	E1668B		1870	--	--	--	--	--
PCB-177	E1668B		8760	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2108	Spring Surface Sediment 2109	Spring Surface Sediment 2110	Spring Surface Sediment 2111	Spring Surface Sediment 2112	Spring Surface Sediment 2113
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	1.08	1.16	1.16	1.17	1.25	1.25
		Location ID	NC032SG_20120501	NC034SG_20120421	NC035SG_20120421	NC033SG_20120421	NC036SG_20120430	NC036SG_20120430
		Sample ID	NC032SG-000015-20120501	NC034SG-000011-20120421	NC035SG-000015-20120421	NC033SG-000015-20120421	NC036SG-000003-20120430	NC036SG-000015-20120430
		Sample Date	5/1/2012	4/21/2012	4/21/2012	4/21/2012	4/30/2012	4/30/2012
		Sample Depth	0 - 15 cm	0 - 11 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
		Water Column Depth	13.8	27.5	16.2	24.6	13.9	13.9
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-178	E1668B		3830	--	--	--	--	--
PCB-179	E1668B		8040	--	--	--	--	--
PCB-180/193	E1668B		38400 J	--	--	--	--	--
PCB-181	E1668B		76.7 J	--	--	--	--	--
PCB-182	E1668B		38.8 U	--	--	--	--	--
PCB-183	E1668B		--	--	--	--	--	--
PCB-183/185	E1668B		10800	--	--	--	--	--
PCB-184	E1668B		32.7 U	--	--	--	--	--
PCB-185	E1668B		--	--	--	--	--	--
PCB-186	E1668B		30.8 U	--	--	--	--	--
PCB-187	E1668B		25900 J	--	--	--	--	--
PCB-188	E1668B		63.6	--	--	--	--	--
PCB-189	E1668B		477 J	--	--	--	--	--
PCB-190	E1668B		3410	--	--	--	--	--
PCB-191	E1668B		541	--	--	--	--	--
PCB-192	E1668B		26.1 U	--	--	--	--	--
PCB-194	E1668B		17000 J	--	--	--	--	--
PCB-195	E1668B		5890	--	--	--	--	--
PCB-196	E1668B		8690	--	--	--	--	--
PCB-197	E1668B		--	--	--	--	--	--
PCB-197/200	E1668B		2670	--	--	--	--	--
PCB-198/199	E1668B		20700	--	--	--	--	--
PCB-200	E1668B		--	--	--	--	--	--
PCB-201	E1668B		2230	--	--	--	--	--
PCB-202	E1668B		3860	--	--	--	--	--
PCB-203	E1668B		11800	--	--	--	--	--
PCB-204	E1668B		21 U	--	--	--	--	--
PCB-205	E1668B		870	--	--	--	--	--
PCB-206	E1668B		8540	--	--	--	--	--
PCB-207	E1668B		973	--	--	--	--	--
PCB-208	E1668B		2570	--	--	--	--	--
PCB-209	E1668B		4370	--	--	--	--	--
Total PCB congener (U = 0)	--		1037785.3 J	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2108	Spring Surface Sediment 2109	Spring Surface Sediment 2110	Spring Surface Sediment 2111	Spring Surface Sediment 2112	Spring Surface Sediment 2113
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.08	1.16	1.16	1.17	1.25	1.25
Location ID		NC032SG_20120501	NC034SG_20120421	NC035SG_20120421	NC033SG_20120421	NC036SG_20120430	NC036SG_20120430
Sample ID		NC032SG-000015-20120501	NC034SG-000011-20120421	NC035SG-000015-20120421	NC033SG-000015-20120421	NC036SG-000003-20120430	NC036SG-000015-20120430
Sample Date		5/1/2012	4/21/2012	4/21/2012	4/21/2012	4/30/2012	4/30/2012
Sample Depth		0 - 15 cm	0 - 11 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm
Water Column Depth		13.8	27.5	16.2	24.6	13.9	13.9
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total PCB congener (U = 1/2)	--	1038311.8 J	--	--	--	--	--
Total PCB congener TEQ 1998 (avian) (U = 0)	--	271.27724 J	--	--	--	--	--
Total PCB congener TEQ 1998 (avian) (U = 1/2)	--	271.27724 J	--	--	--	--	--
Total PCB congener TEQ 1998 (fish) (U = 0)	--	2.36335 J	--	--	--	--	--
Total PCB congener TEQ 1998 (fish) (U = 1/2)	--	2.36335 J	--	--	--	--	--
Total PCB congener TEQ 2005 (mammal) (U = 0)	--	44.9156 J	--	--	--	--	--
Total PCB congener TEQ 2005 (mammal) (U = 1/2)	--	44.9156 J	--	--	--	--	--
Total Petroleum Hydrocarbons (mg/kg)							
Diesel range organics (C10 - C28)	SW8015M	1740	2020	2000	1800	--	2300
Phytane	SW8015M	1.31	1.39	2.06	1.56	--	1.58
Pristane	SW8015M	1.44	1.42	2.03	1.93	--	1.89
Total petroleum hydrocarbons (C9-C40)	SW8015M	3270	3820	3730	3240	--	4200
Radionuclides (pci/g)							
Beryllium 7	HASL300	--	--	--	--	1.62	--

Table A4-2
Surface Sediment Analytical Results

	Task	Spring Surface Sediment 2114	Spring Surface Sediment 2115	Spring Surface Sediment 2116	Spring Surface Sediment 2117	Spring Surface Sediment 2118	Spring Surface Sediment 2119
	Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
	River Mile	1.25	1.25	1.28	1.31	1.31	1.31
	Location ID	NC037SG_20120421	NC037SG_20120421	NC038SG_20120423	NC039SG_20120421	NC039SG_20120421	NC040SG_20120423
	Sample ID	NC037SG-000014-20120421	NC1037SG-000014-20120421	NC038SG-000015-20120423	NC039SG-000015-20120421	NC1039SG-000015-20120421	NC040SG-000010-20120423
	Sample Date	4/21/2012	4/21/2012	4/23/2012	4/21/2012	4/21/2012	4/23/2012
	Sample Depth	0 - 14 cm	0 - 14 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
	Water Column Depth	22.5	22.5	16.7	14	14	23
	Sample Type	N	FD	N	N	FD	N
	Matrix	SE	SE	SE	SE	SE	SE
Conventional Parameters (lb/ft³)							
Density	D7263	29.6	34.3	26.8	23.5	23.4	37
Conventional Parameters (mg/kg)							
Ammonia as nitrogen	SM4500NH3H	22 U	--	20 U	26 U	26 U	37
Cyanide, total	SW9012A	2.7 U	--	3 U	3.2 U	2.9 U	3.4 U
Nitrate + nitrite as nitrogen	SM4500NO3F	6.7 U	--	8 U	8.9 U	7.7 U	8.2 U
Nitrogen ((No Suggestions))	SM4500NORGC	1100	--	3100	3100	2600	2400
Phosphorus	SM4500PE	1300 J	--	1500 J	1800 J	1400 J	1300 J
Sulfide	SW9030B	2200	--	2400	830	3100	2000
Conventional Parameters (pct)							
Moisture (water) content	D2216	170.6	134.2	--	--	--	--
Moisture, percent	D2216	70.2	66.6	--	--	--	--
Soot carbon	SOOTC	0.981 J	--	0.32 J	0.791 J	0.296 J	0.495 J
Total organic carbon	SW9060	4.155	--	3.37	3.525	3.74	4.32
Total solids	SM2540G	35	--	30.9	29.1	29.4	29.9
Conventional Parameters (SU)							
pH	SW9045C	7.8	--	7.4	7.8	7.8	7.9
Conventional Parameters (unitless)							
Liquid limit	D4318	109	125	--	--	--	--
Plastic limit	D4318	45	42	--	--	--	--
Plasticity index	D4318	64	83	--	--	--	--
Specific gravity	D854	2.51	2.53	--	--	--	--
Grain Size (pct)							
Cobbles	D422	0	0	0	0	0	0
Gravel	D422	0.2	1.9	7.4	1.3	0.7	0.9
Sand	D422	16.7	19.8	14.3 J	10.2	9.1	9.7
Fines (silt + clay)	D422	83.1	78.3	78.3	88.5	90.2	89.4
Percent passing 0.375 inch (3/8 inch sieve)	D422	100	100	95	100	100	100
Percent passing 0.5 inch (1/2 inch sieve)	D422	--	--	97	--	--	--
Percent passing 0.75 inch (3/4 inch sieve)	D422	--	--	100	--	--	--
Percent passing 1 inch (1 inch sieve)	D422	--	--	--	--	--	--
Percent passing 75 micron sieve (#200)	D422	83	78	78	88	90	89
Percent passing 150 micron sieve (#100)	D422	86	80	80	91	92	91

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2114	Spring Surface Sediment 2115	Spring Surface Sediment 2116	Spring Surface Sediment 2117	Spring Surface Sediment 2118	Spring Surface Sediment 2119
Task		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
Tributary		1.25	1.25	1.28	1.31	1.31	1.31
River Mile		NC037SG_20120421	NC037SG_20120421	NC038SG_20120423	NC039SG_20120421	NC039SG_20120421	NC040SG_20120423
Location ID		NC037SG-000014-20120421	NC1037SG-000014-20120421	NC038SG-000015-20120423	NC039SG-000015-20120421	NC1039SG-000015-20120421	NC040SG-000010-20120423
Sample ID		4/21/2012	4/21/2012	4/23/2012	4/21/2012	4/21/2012	4/23/2012
Sample Date		0 - 14 cm	0 - 14 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
Sample Depth		22.5	22.5	16.7	14	14	23
Water Column Depth		N	FD	N	N	FD	N
Sample Type		SE	SE	SE	SE	SE	SE
Matrix							
Percent passing 250 micron sieve (#60)	D422	89	84	83	93	94	94
Percent passing 425 micron sieve (#40)	D422	93	88	86	94	96	96
Percent passing 850 micron sieve (#20)	D422	96	91	88	96	97	97
Percent passing 2000 micron sieve (#10)	D422	98	94	91	97	98	98
Percent passing 4750 micron sieve (#4)	D422	100	98	93	99	99	99
Metals (mg/kg)							
Aluminum	SW6020A	12100	--	13200	13100	12600	12600
Antimony	SW6020A	0.528 J	--	0.42 J	0.522 J	0.593 J	0.676 J
Arsenic	SW6020A	14	--	12.9	15	15.1	13
Barium	SW6020A	100 J	--	104 J	78.5 J	93.5 J	98.9 J
Beryllium	SW6020A	0.723	--	0.869	0.767	0.718	0.724
Cadmium	SW6020A	3.97 J	--	3.21 J	3.17 J	3.92 J	2.71 J
Calcium	SW6020A	7570 J	--	17600 J	8080 J	7570 J	6780 J
Chromium	SW6020A	87.3 J	--	79.3 J	73.7 J	84.6 J	69.7 J
Cobalt	SW6020A	10.6 J	--	11.6 J	9.1 J	10.6 J	9.37 J
Copper	SW6020A	298 J	--	245 J	239 J	263 J	265 J
Iron	SW6020A	28300	--	31400	31100	29500	31000
Lead	SW6020A	267	--	187	168	206	237
Magnesium	SW6020A	7990	--	9020	9120	9190	8730
Manganese	SW6020A	337 J	--	400 J	310 J	358 J	294 J
Mercury	E1631M	1.14 J	--	1 J	1.23 J	1.25 J	1.18 J
Nickel	SW6020A	54.3 J	--	47 J	42.8 J	47.1 J	40.8 J
Potassium	SW6020A	3080 J	--	3410 J	3520 J	3370 J	3460 J
Selenium	SW6020A	1.58	--	1.48	1.25	1.76	1.7
Silver	SW6020A	4.42	--	3.34	4.48	5.18	4.49
Sodium	SW6020A	13900 J	--	15500 J	17900 J	18500 J	19200 J
Thallium	SW6020A	0.272	--	0.277	0.24	0.273	0.246
Tin	SW6020A	21.8	--	16	21.6	22.9	24.9
Vanadium	SW6020A	37	--	35.6	38.9	37.5	36.1
Zinc	SW6020A	513 J	--	493 J	429 J	499 J	552 J
Organometallic Compounds (µg/kg)							
Methyl mercury	E1630M	0.743	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2114	Spring Surface Sediment 2115	Spring Surface Sediment 2116	Spring Surface Sediment 2117	Spring Surface Sediment 2118	Spring Surface Sediment 2119
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	1.25	1.25	1.28	1.31	1.31	1.31
		Location ID	NC037SG_20120421	NC037SG_20120421	NC038SG_20120423	NC039SG_20120421	NC039SG_20120421	NC040SG_20120423
		Sample ID	NC037SG-000014-20120421	NC1037SG-000014-20120421	NC038SG-000015-20120423	NC039SG-000015-20120421	NC1039SG-000015-20120421	NC040SG-000010-20120423
		Sample Date	4/21/2012	4/21/2012	4/23/2012	4/21/2012	4/21/2012	4/23/2012
		Sample Depth	0 - 14 cm	0 - 14 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
		Water Column Depth	22.5	22.5	16.7	14	14	23
		Sample Type	N	FD	N	N	FD	N
		Matrix	SE	SE	SE	SE	SE	SE
Volatile Organics (µg/kg)								
1,1,1-Trichloroethane	SW8260B		2.8 U	--	3.2 U	3.4 U	3.4 U	3.3 U
1,1,2,2-Tetrachloroethane	SW8260B		2.8 U	--	3.2 U	3.4 U	3.4 U	3.3 U
1,1,2-Trichloroethane	SW8260B		4.3 U	--	4.8 U	5.2 U	5.1 U	5 U
1,1,2-Trichlorotrifluoroethane	SW8260B		57 U	--	65 U	69 U	68 U	67 U
1,1-Dichloroethane	SW8260B		4.3 U	--	4.8 U	5.2 U	5.1 U	5 U
1,1-Dichloroethene	SW8260B		2.8 U	--	3.2 U	3.4 U	3.4 U	3.3 U
1,2,3-Trichlorobenzene	SW8260B		14 U	--	16 UJ	17 U	17 U	17 U
1,2,4-Trichlorobenzene	SW8260B		14 U	--	16 UJ	17 U	17 U	17 U
1,2-Dibromo-3-chloropropane	SW8260B		14 U	--	16 UJ	17 U	17 U	17 U
1,2-Dichlorobenzene	SW8260B		14 U	--	16 UJ	17 U	17 U	17 U
1,2-Dichloroethane	SW8260B		2.8 U	--	3.2 U	3.4 U	3.4 U	3.3 U
1,2-Dichloroethene, cis-	SW8260B		2.8 U	--	3.2 U	3.4 U	3.4 U	3.3 U
1,2-Dichloroethene, trans-	SW8260B		4.3 U	--	4.8 U	5.2 U	5.1 U	5 U
1,2-Dichloropropane	SW8260B		10 U	--	11 U	12 U	12 U	12 U
1,3-Dichlorobenzene	SW8260B		14 U	--	16 UJ	17 U	17 U	17 U
1,3-Dichloropropene, cis-	SW8260B		2.8 U	--	3.2 UJ	3.4 U	3.4 U	3.3 U
1,3-Dichloropropene, trans-	SW8260B		2.8 U	--	3.2 UJ	3.4 U	3.4 U	3.3 U
1,4-Dichlorobenzene	SW8260B		14 U	--	16 UJ	17 U	17 U	17 U
2-Butanone (MEK)	SW8260B		43	--	45	69	78	49
2-Hexanone (methyl butyl ketone)	SW8260B		28 U	--	32 U	34 U	34 U	33 U
Acetone	SW8260B		210	--	200 J	370	410	300
Benzene	SW8260B		2.8 U	--	3.2 U	3.4 U	3.4 U	3.3 U
Bromochloromethane	SW8260B		14 U	--	16 U	17 U	17 U	17 U
Bromodichloromethane	SW8260B		2.8 U	--	3.2 U	3.4 U	3.4 U	3.3 U
Bromoform (tribromomethane)	SW8260B		11 U	--	13 UJ	14 U	14 U	13 U
Bromomethane (methyl bromide)	SW8260B		5.7 U	--	6.5 U	6.9 U	6.8 U	6.7 U
Carbon disulfide	SW8260B		15 J	--	11 J	14 J	12 J	24 J
Carbon tetrachloride (tetrachloromethane)	SW8260B		2.8 U	--	3.2 U	3.4 U	3.4 U	3.3 U
Chlorobenzene	SW8260B		2.8 U	--	3.2 UJ	3.4 U	3.4 U	3.3 U
Chloroethane	SW8260B		5.7 U	--	6.5 U	6.9 U	6.8 U	6.7 U
Chloroform	SW8260B		4.3 U	--	4.8 U	5.2 U	5.1 U	5 U

Table A4-2
Surface Sediment Analytical Results

		Task Tributary River Mile Location ID Sample ID Sample Date Sample Depth Water Column Depth Sample Type Matrix	Spring Surface Sediment 2114 Newtown Creek 1.25 NC037SG_20120421 NC037SG-000014-20120421 4/21/2012 0 - 14 cm 22.5 N SE	Spring Surface Sediment 2115 Newtown Creek 1.25 NC037SG_20120421 NC1037SG-000014-20120421 4/21/2012 0 - 14 cm 22.5 FD SE	Spring Surface Sediment 2116 Newtown Creek 1.28 NC038SG_20120423 NC038SG-000015-20120423 4/23/2012 0 - 15 cm 16.7 N SE	Spring Surface Sediment 2117 Newtown Creek 1.31 NC039SG_20120421 NC039SG-000015-20120421 4/21/2012 0 - 15 cm 14 N SE	Spring Surface Sediment 2118 Newtown Creek 1.31 NC039SG_20120421 NC1039SG-000015-20120421 4/21/2012 0 - 15 cm 14 FD SE	Spring Surface Sediment 2119 Newtown Creek 1.31 NC040SG_20120423 NC040SG-000010-20120423 4/23/2012 0 - 10 cm 23 N SE
Chloromethane	SW8260B		14 U	--	16 U	17 U	17 U	17 U
Cyclohexane	SW8260B		57 U	--	-- R	69 U	68 U	67 U
Dibromochloromethane	SW8260B		2.8 U	--	3.2 UJ	3.4 U	3.4 U	3.3 U
Dichlorodifluoromethane	SW8260B		28 U	--	32 UJ	34 U	34 U	33 U
Dichloromethane (methylene chloride)	SW8260B		28 U	--	32 U	34 U	34 U	33 U
Ethylbenzene	SW8260B		2.8 U	--	3.2 UJ	3.4 U	3.4 U	3.3 U
Ethylene dibromide (1,2-Dibromoethane)	SW8260B		11 U	--	13 UJ	14 U	14 U	13 U
Isopropylbenzene (cumene)	SW8260B		2.8 U	--	3.2 UJ	3.4 U	3.4 U	3.3 U
m,p-Xylene	SW8260B		5.7 U	--	6.5 UJ	6.9 U	6.8 U	6.7 U
Methyl acetate	SW8260B		57 U	--	-- R	69 U	68 U	67 U
Methyl isobutyl ketone (4-methyl-2-pentanone [MIBK])	SW8260B		28 U	--	32 U	34 U	34 U	33 U
Methyl tert-butyl ether (MTBE)	SW8260B		5.7 U	--	6.5 U	6.9 U	6.8 U	6.7 U
Methylcyclohexane	SW8260B		11 U	--	13 UJ	14 U	14 U	13 U
o-Xylene	SW8260B		5.7 U	--	6.5 UJ	6.9 U	6.8 U	6.7 U
Styrene	SW8260B		5.7 U	--	6.5 UJ	6.9 U	6.8 U	6.7 U
Tetrachloroethene (PCE)	SW8260B		2.8 U	--	3.2 UJ	3.4 U	3.4 U	3.3 U
Toluene	SW8260B		4.3 U	--	4.8 U	5.2 U	5.1 U	5 U
Total BTEX (U = 0)	--		5.7 U	--	6.5 UJ	6.9 U	6.8 U	6.7 U
Total BTEX (U = 1/2)	--		5.7 U	--	6.5 UJ	6.9 U	6.8 U	6.7 U
Total xylene (U = 0)	--		5.7 U	--	6.5 UJ	6.9 U	6.8 U	6.7 U
Total xylene (U = 1/2)	--		5.7 U	--	6.5 UJ	6.9 U	6.8 U	6.7 U
Trichloroethene (TCE)	SW8260B		2.8 U	--	3.2 U	3.4 U	3.4 U	3.3 U
Trichlorofluoromethane (fluorotrichloromethane)	SW8260B		14 U	--	16 U	17 U	17 U	17 U
Vinyl acetate	SW8260B		28 U	--	32 UJ	34 U	34 U	33 U
Vinyl chloride	SW8260B		5.7 U	--	6.5 U	6.9 U	6.8 U	6.7 U
Semivolatile Organics (µg/kg)								
1,2,4,5-Tetrachlorobenzene	SW8270C		920 U	--	980 U	1100 U	1100 U	1000 U
1,4-Dioxane	SW8270C		1900 UJ	--	2000 UJ	2200 UJ	2200 UJ	2100 UJ
2,3,4,6-Tetrachlorophenol	SW8270C		920 U	--	980 U	1100 U	1100 U	1000 U
2,4,5-Trichlorophenol	SW8270C		920 U	--	980 U	1100 U	1100 U	1000 U
2,4,6-Trichlorophenol	SW8270C		920 U	--	980 U	1100 U	1100 U	1000 U

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2114	Spring Surface Sediment 2115	Spring Surface Sediment 2116	Spring Surface Sediment 2117	Spring Surface Sediment 2118	Spring Surface Sediment 2119
Task		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
Tributary		1.25	1.25	1.28	1.31	1.31	1.31
River Mile		NC037SG_20120421	NC037SG_20120421	NC038SG_20120423	NC039SG_20120421	NC039SG_20120421	NC040SG_20120423
Location ID		NC037SG-000014-20120421	NC1037SG-000014-20120421	NC038SG-000015-20120423	NC039SG-000015-20120421	NC1039SG-000015-20120421	NC040SG-000010-20120423
Sample ID		4/21/2012	4/21/2012	4/23/2012	4/21/2012	4/21/2012	4/23/2012
Sample Date		0 - 14 cm	0 - 14 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
Sample Depth		22.5	22.5	16.7	14	14	23
Water Column Depth		N	FD	N	N	FD	N
Sample Type		SE	SE	SE	SE	SE	SE
Matrix							
2,4-Dichlorophenol	SW8270C	190 U	--	200 U	220 U	220 U	210 U
2,4-Dimethylphenol	SW8270C	920 U	--	980 U	1100 U	1100 U	1000 U
2,4-Dinitrophenol	SW8270C	4700 U	--	5100 U	5500 U	5600 U	5300 U
2,4-Dinitrotoluene	SW8270C	920 U	--	980 U	1100 U	1100 U	1000 U
2,6-Dinitrotoluene	SW8270C	920 U	--	980 U	1100 U	1100 U	1000 U
2-Chloronaphthalene	SW8270C	190 U	--	200 U	220 U	220 U	210 U
2-Chlorophenol	SW8270C	920 U	--	980 U	1100 U	1100 U	1000 U
2-Methylnaphthalene	SW8270C	220	--	140 J	180 J	180 J	210
2-Methylphenol (o-Cresol)	SW8270C	920 U	--	980 U	1100 U	1100 U	1000 U
2-Nitroaniline	SW8270C	4700 U	--	5100 U	5500 U	5600 U	5300 U
2-Nitrophenol	SW8270C	920 U	--	980 U	1100 U	1100 U	1000 U
3,3'-Dichlorobenzidine	SW8270C	920 UJ	--	980 UJ	1100 UJ	1100 UJ	1000 UJ
3-methylphenol and 4-methylphenol (m&p-cresol)	SW8270C	130 J	--	980 U	1100 U	1100 U	160 J
3-Nitroaniline	SW8270C	4700 U	--	5100 U	5500 U	5600 U	5300 U
4-Bromophenyl-phenyl ether	SW8270C	920 U	--	980 U	1100 U	1100 U	1000 U
4-Chloro-3-methylphenol	SW8270C	920 U	--	980 U	1100 U	1100 U	1000 U
4-Chloroaniline	SW8270C	97 J	--	90 J	96 J	110 J	120 J
4-Chlorophenyl phenyl ether	SW8270C	920 U	--	980 U	1100 U	1100 U	1000 U
4-Nitroaniline	SW8270C	4700 U	--	5100 U	5500 U	5600 U	5300 U
4-Nitrophenol	SW8270C	4700 U	--	5100 U	5500 U	5600 U	5300 U
Acenaphthene	SW8270C	160 J	--	150 J	160 J	210 J	130 J
Acenaphthylene	SW8270C	180 J	--	190 J	220 U	220	200 J
Acetophenone	SW8270C	920 U	--	980 U	1100 U	1100 U	1000 U
Anthracene	SW8270C	380	--	370	450	650	430
Atrazine	SW8270C	920 UJ	--	980 UJ	1100 UJ	1100 UJ	1000 UJ
Benzaldehyde	SW8270C	920 UJ	--	220 J	1100 UJ	260 J	1000 UJ
Benzo(a)anthracene	SW8270C	1300	--	1000	1600	2300	1200
Benzo(a)pyrene	SW8270C	1400	--	1100	1700	2400	1400
Benzo(b)fluoranthene	SW8270C	1400	--	1300	2100	2500	1400
Benzo(g,h,i)perylene	SW8270C	650	--	660	830	1100	770
Benzo(k)fluoranthene	SW8270C	630	--	730	580	1300	810
Biphenyl (1,1'-Biphenyl)	SW8270C	920 U	--	980 U	1100 U	1100 U	1000 U

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2114	Spring Surface Sediment 2115	Spring Surface Sediment 2116	Spring Surface Sediment 2117	Spring Surface Sediment 2118	Spring Surface Sediment 2119
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.25	1.25	1.28	1.31	1.31	1.31
Location ID		NC037SG_20120421	NC037SG_20120421	NC038SG_20120423	NC039SG_20120421	NC039SG_20120421	NC040SG_20120423
Sample ID		NC037SG-000014-20120421	NC1037SG-000014-20120421	NC038SG-000015-20120423	NC039SG-000015-20120421	NC1039SG-000015-20120421	NC040SG-000010-20120423
Sample Date		4/21/2012	4/21/2012	4/23/2012	4/21/2012	4/21/2012	4/23/2012
Sample Depth		0 - 14 cm	0 - 14 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
Water Column Depth		22.5	22.5	16.7	14	14	23
Sample Type		N	FD	N	N	FD	N
Matrix		SE	SE	SE	SE	SE	SE
bis(2-Chloroethoxy)methane	SW8270C	920 U	--	980 U	1100 U	1100 U	1000 U
bis(2-Chloroethyl)ether	SW8270C	190 U	--	200 U	220 U	220 U	210 U
bis(2-Chloroisopropyl)ether	SW8270C	190 U	--	200 U	220 U	220 U	210 U
Bis(2-ethylhexyl)phthalate	SW8270C	7100	--	6300	7100	8500	11000
Butylbenzyl phthalate	SW8270C	660 J	--	210 J	360 J	310 J	480 J
Caprolactam	SW8270C	4700 UJ	--	5100 UJ	5500 UJ	5600 UJ	5300 UJ
Carbazole	SW8270C	71 J	--	81 J	130 J	240	95 J
Chrysene	SW8270C	1300	--	960	1700	2100	1300
Dibenzo(a,h)anthracene	SW8270C	300	--	190 J	260	290	260
Dibenzofuran	SW8270C	130 J	--	980 U	130 J	150 J	110 J
Diethyl phthalate	SW8270C	920 U	--	980 U	1100 U	1100 U	1000 U
Dimethyl phthalate	SW8270C	920 U	--	980 U	1100 U	1100 U	1000 U
Di-n-butyl phthalate	SW8270C	920 U	--	980 U	420 J	290 J	180 J
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)	SW8270C	4700 U	--	5100 U	5500 U	5600 U	5300 U
Di-n-octyl phthalate	SW8270C	920 U	--	980 U	1100 U	1100 U	1000 U
Fluoranthene	SW8270C	1900	--	1700	2500	3200	1700
Fluorene	SW8270C	180 J	--	110 J	190 J	240	150 J
Hexachlorobenzene	SW8270C	190 U	--	200 U	220 U	220 U	210 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270C	190 U	--	200 U	220 U	220 U	210 U
Hexachlorocyclopentadiene	SW8270C	920 U	--	980 U	1100 U	1100 U	1000 U
Hexachloroethane	SW8270C	920 U	--	980 U	1100 U	1100 U	1000 U
Indeno(1,2,3-c,d)pyrene	SW8270C	710	--	680	790	1200	740
Isophorone	SW8270C	920 U	--	980 U	1100 U	1100 U	1000 U
Naphthalene	SW8270C	360	--	210	240	300	300
Nitrobenzene	SW8270C	1900 U	--	2000 U	2200 U	2200 U	2100 U
N-Nitrosodi-N-propylamine	SW8270C	190 U	--	200 U	220 U	220 U	210 U
N-Nitrosodiphenylamine	SW8270C	920 U	--	980 U	1100 U	1100 U	1000 U
Pentachlorophenol	SW8270C	920 U	--	980 U	1100 U	1100 U	1000 U
Phenanthrene	SW8270C	820	--	770	1100	1700	780
Phenol	SW8270C	190 U	--	200 U	220 U	220 U	950
Pyrene	SW8270C	2900	--	2000	3200	4000	2600

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2114	Spring Surface Sediment 2115	Spring Surface Sediment 2116	Spring Surface Sediment 2117	Spring Surface Sediment 2118	Spring Surface Sediment 2119
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.25	1.25	1.28	1.31	1.31	1.31
Location ID		NC037SG_20120421	NC037SG_20120421	NC038SG_20120423	NC039SG_20120421	NC039SG_20120421	NC040SG_20120423
Sample ID		NC037SG-000014-20120421	NC1037SG-000014-20120421	NC038SG-000015-20120423	NC039SG-000015-20120421	NC1039SG-000015-20120421	NC040SG-000010-20120423
Sample Date		4/21/2012	4/21/2012	4/23/2012	4/21/2012	4/21/2012	4/23/2012
Sample Depth		0 - 14 cm	0 - 14 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
Water Column Depth		22.5	22.5	16.7	14	14	23
Sample Type		N	FD	N	N	FD	N
Matrix		SE	SE	SE	SE	SE	SE
Total cresol (o,m,p) (U = 0)	--	130 J	--	980 U	1100 U	1100 U	160 J
Total cresol (o,m,p) (U = 1/2)	--	590 J	--	980 U	1100 U	1100 U	660 J
Polycyclic Aromatic Hydrocarbons (µg/kg)							
1,6,7-Trimethylnaphthalene	SW8270CMSIM	93.9	--	41	54.5	51.3	73.5
1-Methyldibenzothiophene	SW8270CMSIM	53.4	--	24.2	35 J	31.4	51.9
1-Methylnaphthalene	SW8270CMSIM	244	--	93.4	108	106	168
1-Methylphenanthrene	SW8270CMSIM	778	--	149	201	191	254
2,6-Dimethylnaphthalene	SW8270CMSIM	293	--	204	202	211	356
2-Methylantracene	SW8270CMSIM	530	--	135	181	173	240
2-Methyldibenzothiophene and 3-methyldibenzothiophene	SW8270CMSIM	182	--	42.1	35.5 J	45.8	202
2-Methylnaphthalene	SW8270CMSIM	447	--	249	266	299	418
2-Methylphenanthrene	SW8270CMSIM	776	--	165	226	215	282
4-Methyldibenzothiophene	SW8270CMSIM	143	--	76.2	89.7	83.1	147
4-Methylphenanthrene and 9-methylphenanthrene	SW8270CMSIM	867	--	193	254	248	332
Acenaphthene	SW8270CMSIM	487	--	119	163	167	212
Acenaphthylene	SW8270CMSIM	668	--	257	347	324	343
Anthracene	SW8270CMSIM	2360	--	514	717	643	855
Benzo(a)anthracene	SW8270CMSIM	8410	--	1320	1910	1860	1900
Benzo(a)pyrene	SW8270CMSIM	8510	--	1400	2080	1970	1940
Benzo(b)fluoranthene	SW8270CMSIM	7160	--	1380	2060	2030	1960
Benzo(e)pyrene	SW8270CMSIM	5440	--	1140	1710	1620	1600
Benzo(g,h,i)perylene	SW8270CMSIM	5320	--	923	1400	1320	1300
Benzo(j,k)fluoranthene	SW8270CMSIM	5970	--	1200	1810	1640	1560
Benzonaphthothiophene	SW8270CMSIM	1610	--	413	639	571	654
Benzothiophene	SW8270CMSIM	34.2	--	15.1 J	21.7 J	23.7	34.7
Carbazole	SW8270CMSIM	716	--	91.7	129	129	135
Chrysene	SW8270CMSIM	7780	--	1270	1970	1840	1860
Decalin, cis and trans-	SW8270CMSIM	27.2	--	31.2	27	33	36.8
Dibenzo(a,h)anthracene and dibenzo(a,c)anthracene	SW8270CMSIM	1630	--	287	427	412	420
Dibenzothiophene	SW8270CMSIM	470	--	103	132	122	176

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2114	Spring Surface Sediment 2115	Spring Surface Sediment 2116	Spring Surface Sediment 2117	Spring Surface Sediment 2118	Spring Surface Sediment 2119
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.25	1.25	1.28	1.31	1.31	1.31
Location ID		NC037SG_20120421	NC037SG_20120421	NC038SG_20120423	NC039SG_20120421	NC039SG_20120421	NC040SG_20120423
Sample ID		NC037SG-000014-20120421	NC1037SG-000014-20120421	NC038SG-000015-20120423	NC039SG-000015-20120421	NC1039SG-000015-20120421	NC040SG-000010-20120423
Sample Date		4/21/2012	4/21/2012	4/23/2012	4/21/2012	4/21/2012	4/23/2012
Sample Depth		0 - 14 cm	0 - 14 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
Water Column Depth		22.5	22.5	16.7	14	14	23
Sample Type		N	FD	N	N	FD	N
Matrix		SE	SE	SE	SE	SE	SE
Fluoranthene	SW8270CMSIM	15800	--	2370	3760	3410	3400
Fluorene	SW8270CMSIM	438	--	146	163	180	268
Indeno(1,2,3-c,d)pyrene	SW8270CMSIM	5820	--	958	1460	1390	1310
Naphthalene	SW8270CMSIM	772	--	379	441	507	674
Perylene	SW8270CMSIM	2150	--	481	652	624	614
Phenanthrene	SW8270CMSIM	7190	--	820	1240	1210	1410
Pyrene	SW8270CMSIM	15000	--	2680	4440	4060	4220
Retene	SW8270CMSIM	16.8 U	--	18.7 U	36.5 U	18.4 U	19.2 U
Total benzofluoranthenes (U = 0)	--	13130	--	2580	3870	3670	3520
Total benzofluoranthenes (U = 1/2)	--	13130	--	2580	3870	3670	3520
Total cPAH TEQ (USEPA 1993) (U = 0)	--	12346.48	--	2066.07	3070.07	2928.24	2894.46
Total cPAH TEQ (USEPA 1993) (U = 1/2)	--	12346.48	--	2066.07	3070.07	2928.24	2894.46
Total HPAH (9 of 16) (U = 0)	--	81400	--	13788	21317	19932	19870
Total HPAH (9 of 16) (U = 1/2)	--	81400	--	13788	21317	19932	19870
Total LPAH (7 of 16) (U = 0)	--	12362	--	2484	3337	3330	4180
Total LPAH (7 of 16) (U = 1/2)	--	12362	--	2484	3337	3330	4180
Total PAH (16) (U = 0)	--	93762	--	16272	24654	23262	24050
Total PAH (16) (U = 1/2)	--	93762	--	16272	24654	23262	24050
Alkylated Polycyclic Aromatic Hydrocarbons (µg/kg)							
C1-Benzo(a)anthracenes/chrysenes	SW8270CMSIM	4120	--	1320	1830	1800	2220
C1-Benzo(b)thiophenes	SW8270CMSIM	46.5	--	26.8	58.6	39.2	54
C1-Decalins	SW8270CMSIM	253	--	167	210	228	322
C1-Dibenzothiophenes	SW8270CMSIM	447	--	168	192	194	437
C1-Fluoranthenes/Pyrenes	SW8270CMSIM	7080	--	2060	3040	2860	3420
C1-Fluorenes	SW8270CMSIM	348	--	147	166	157	241
C1-Naphthalenes	SW8270CMSIM	431	--	216	231	254	364
C1-Phenanthrenes/Anthracenes	SW8270CMSIM	3640	--	824	1090	1030	1400
C2-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	2920	--	1230	1750	1740	2280
C2-Benzo(b)thiophenes	SW8270CMSIM	58.4	--	38.6	43.4	45.3	72.3
C2-Decalins	SW8270CMSIM	1010	--	598	772	839	1260
C2-Dibenzothiophenes	SW8270CMSIM	724	--	472	647	604	933
C2-Fluorenes	SW8270CMSIM	843	--	416	550	504	822
C2-Naphthalenes	SW8270CMSIM	503	--	303	308	310	525

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2114	Spring Surface Sediment 2115	Spring Surface Sediment 2116	Spring Surface Sediment 2117	Spring Surface Sediment 2118	Spring Surface Sediment 2119
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.25	1.25	1.28	1.31	1.31	1.31
Location ID		NC037SG_20120421	NC037SG_20120421	NC038SG_20120423	NC039SG_20120421	NC039SG_20120421	NC040SG_20120423
Sample ID		NC037SG-000014-20120421	NC1037SG-000014-20120421	NC038SG-000015-20120423	NC039SG-000015-20120421	NC1039SG-000015-20120421	NC040SG-000010-20120423
Sample Date		4/21/2012	4/21/2012	4/23/2012	4/21/2012	4/21/2012	4/23/2012
Sample Depth		0 - 14 cm	0 - 14 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
Water Column Depth		22.5	22.5	16.7	14	14	23
Sample Type		N	FD	N	N	FD	N
Matrix		SE	SE	SE	SE	SE	SE
C2-Phenanthrenes/Anthracenes	SW8270CMSIM	2980	--	1180	1620	1530	2110
C3-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	2340	--	1120	1580	1510	2010
C3-Benzo(b)thiophenes	SW8270CMSIM	150	--	95.8	128	121	173
C3-Decalins	SW8270CMSIM	1130	--	645	837	885	1300
C3-Dibenzothiophenes	SW8270CMSIM	1120	--	655	947	910	1290
C3-Fluorenes	SW8270CMSIM	1710	--	785	1160	1080	1570
C3-Naphthalenes	SW8270CMSIM	549	--	353	394	379	630
C3-Phenanthrenes/Anthracenes	SW8270CMSIM	2230	--	1160	1650	1540	2180
C4-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	1140	--	564	899	791	1030
C4-Benzo(b)thiophenes	SW8270CMSIM	168	--	106	164	137	204
C4-Decalins	SW8270CMSIM	2000	--	1130	1650	1610	2250
C4-Dibenzothiophenes	SW8270CMSIM	838	--	442	684	627	944
C4-Naphthalenes	SW8270CMSIM	594	--	486	629	601	931
C4-Phenanthrenes/Anthracenes	SW8270CMSIM	1340	--	721	1100	1000	1370
n-Alkanes and Isoprenoids (µg/kg)							
2,6,10-Trimethyldodecane	SW8015M	521 J	--	393 J	535 J	537 J	614 J
2,6,10-Trimethyltridecane	SW8015M	717 J	--	696 J	907 J	882 J	1020 J
n-Decane (C10)	SW8015M	1120 U	--	1250 U	2430 U	1220 U	1280 U
n-Docosane (C22)	SW8015M	808 J	--	394 J	484 J	726 J	563 J
n-Dodecane (C12)	SW8015M	1120 U	--	1250 U	2430 U	1220 U	1280 U
n-Dotriacontane (C32)	SW8015M	4800	--	3860	5100	5360	4910
n-Eicosane (C20)	SW8015M	501 J	--	874 J	730 J	592 J	1230 J
n-Heneicosane (C21)	SW8015M	777 J	--	478 J	589 J	592 J	757 J
n-Hentriacontane (C31)	SW8015M	1710	--	2020	2050 J	3570	1760
n-Heptacosane (C27)	SW8015M	1590	--	1830	1960 J	3400	1740
n-Heptadecane (C17)	SW8015M	686 J	--	685 J	2430 U	825 J	748 J
n-Heptatriacontane (C37)	SW8015M	994 J	--	727 J	754 J	818 J	570 J
n-Hexacosane (C26)	SW8015M	1010 J	--	903 J	1090 J	2290	1140 J
n-Hexadecane (C16)	SW8015M	816 J	--	379 J	508 J	571 J	794 J
n-Hexatriacontane (C36)	SW8015M	518 J	--	470 J	708 J	749 J	578 J
n-Nonacosane (C29)	SW8015M	8380	--	2180	2790	4120	2210
n-Nonadecane (C19)	SW8015M	424 J	--	390 J	2430 U	493 J	414 J
n-Nonane (C9)	SW8015M	1120 U	--	1250 U	2430 U	1220 U	1280 U

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2114	Spring Surface Sediment 2115	Spring Surface Sediment 2116	Spring Surface Sediment 2117	Spring Surface Sediment 2118	Spring Surface Sediment 2119
Task		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
Tributary		1.25	1.25	1.28	1.31	1.31	1.31
River Mile		NC037SG_20120421	NC037SG_20120421	NC038SG_20120423	NC039SG_20120421	NC039SG_20120421	NC040SG_20120423
Location ID		NC037SG-000014-20120421	NC1037SG-000014-20120421	NC038SG-000015-20120423	NC039SG-000015-20120421	NC1039SG-000015-20120421	NC040SG-000010-20120423
Sample ID		4/21/2012	4/21/2012	4/23/2012	4/21/2012	4/21/2012	4/23/2012
Sample Date		0 - 14 cm	0 - 14 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
Sample Depth		22.5	22.5	16.7	14	14	23
Water Column Depth		N	FD	N	N	FD	N
Sample Type		SE	SE	SE	SE	SE	SE
Matrix							
n-Nonatriacontane (C39)	SW8015M	720 J	--	734 J	837 J	790 J	904 J
n-Octacosane (C28)	SW8015M	1200	--	1220 J	1400 J	2180	1270 J
n-Octadecane (C18)	SW8015M	8440 J	--	1020 J	1480 J	1570 J	1720 J
n-Octatriacontane (C38)	SW8015M	432 J	--	589 J	710 J	743 J	573 J
Norpristane	SW8015M	770 J	--	885 J	1100 J	704 J	922 J
n-Pentacosane (C25)	SW8015M	1120 U	--	1010 J	2430 UJ	2700 J	1270 J
n-Pentadecane (C15)	SW8015M	1120 J	--	730 J	956 J	1020 J	1060 J
n-Pentatriacontane (C35)	SW8015M	1510	--	983 J	1360 J	1230	980 J
n-Tetracontane (C40)	SW8015M	519 J	--	632 J	798 J	668 J	669 J
n-Tetracosane (C24)	SW8015M	466 J	--	367 J	2430 U	1340	462 J
n-Tetradecane (C14)	SW8015M	778 J	--	545 J	667 J	666 J	756 J
n-Tetratriacontane (C34)	SW8015M	1380	--	1530	1960 J	2310	1410
n-Triacontane (C30)	SW8015M	1420	--	1260	1420 J	2070	1240 J
n-Tricosane (C23)	SW8015M	251 J	--	446 J	370 J	984 J	354 J
n-Tridecane (C13)	SW8015M	373 J	--	1250 U	2430 U	1220 U	427 J
n-Tritriacontane (C33)	SW8015M	2190	--	2600	2900	3730	4180
n-Undecane (C11)	SW8015M	1120 U	--	1250 U	2430 U	1220 U	1280 U
Pesticides (µg/kg)							
2,4'-DDD (o,p'-DDD)	SW8081A	4.6 J	--	1.5 J	4 J	2.2 J	2.8 J
2,4'-DDE (o,p'-DDE)	SW8081A	4.1 J	--	2.4 J	3.8 J	3.2 J	4.1 J
2,4'-DDT (o,p'-DDT)	SW8081A	0.47 J	--	0.25 UJ	0.27 UJ	0.28 J	0.26 UJ
4,4'-DDD (p,p'-DDD)	SW8081A	10 J	--	6.3 J	9.1 J	7.4 J	9 J
4,4'-DDE (p,p'-DDE)	SW8081A	6.7 J	--	6.9 J	6 J	5.6 J	6 J
4,4'-DDT (p,p'-DDT)	SW8081A	4.1 J	--	8.1 J	2.9 J	7.1 J	1.6 J
Aldrin	SW8081A	0.23 UJ	--	0.25 UJ	0.77 J	0.28 UJ	0.65 J
alpha-Hexachlorocyclohexane (BHC)	SW8081A	0.23 UJ	--	0.25 UJ	0.16 J	0.064 J	0.26 UJ
Chlordane, alpha- (cis-Chlordane)	SW8081A	7 J	--	4.9 J	7 J	4.9 J	6.9 J
Chlordane, beta- (trans-Chlordane)	SW8081A	0.23 UJ	--	0.25 UJ	0.27 UJ	0.28 UJ	0.26 UJ
delta-Hexachlorocyclohexane (BHC)	SW8081A	0.4 J	--	0.081 J	0.27 UJ	0.048 J	0.069 J
Dieldrin	SW8081A	1.9 J	--	0.97 J	1.8 J	1.4 J	1.5 J
Endosulfan sulfate	SW8081A	0.48 J	--	0.26 J	0.52 J	0.96 J	0.89 J
Endosulfan-alpha (I)	SW8081A	0.23 UJ	--	0.25 UJ	0.27 UJ	0.28 UJ	0.26 UJ
Endosulfan-beta (II)	SW8081A	0.48 J	--	0.095 J	0.29 J	0.53 J	0.95 J

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2114	Spring Surface Sediment 2115	Spring Surface Sediment 2116	Spring Surface Sediment 2117	Spring Surface Sediment 2118	Spring Surface Sediment 2119
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	1.25	1.25	1.28	1.31	1.31	1.31
		Location ID	NC037SG_20120421	NC037SG_20120421	NC038SG_20120423	NC039SG_20120421	NC039SG_20120421	NC040SG_20120423
		Sample ID	NC037SG-000014-20120421	NC1037SG-000014-20120421	NC038SG-000015-20120423	NC039SG-000015-20120421	NC1039SG-000015-20120421	NC040SG-000010-20120423
		Sample Date	4/21/2012	4/21/2012	4/23/2012	4/21/2012	4/21/2012	4/23/2012
		Sample Depth	0 - 14 cm	0 - 14 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
		Water Column Depth	22.5	22.5	16.7	14	14	23
		Sample Type	N	FD	N	N	FD	N
		Matrix	SE	SE	SE	SE	SE	SE
Endrin	SW8081A		0.77 J	--	0.75 J	0.61 J	0.41 J	0.55 J
Endrin aldehyde	SW8081A		0.23 UJ	--	0.098 J	0.29 J	0.13 J	0.26 UJ
Endrin ketone	SW8081A		1.4 J	--	0.72 J	0.89 J	0.58 J	0.58 J
Heptachlor	SW8081A		0.23 UJ	--	0.25 UJ	0.27 UJ	0.28 UJ	0.26 UJ
Heptachlor epoxide	SW8081A		0.4 J	--	1 J	0.33 J	0.33 J	1.4 J
Hexachlorobenzene	SW8081A		1.1 J	--	0.32 J	0.5 J	0.43 J	1.2 J
Hexachlorocyclohexane, beta- (BHC)	SW8081A		0.23 UJ	--	0.25 UJ	0.27 UJ	0.28 UJ	0.26 UJ
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	SW8081A		0.23 UJ	--	0.25 UJ	0.27 UJ	0.28 UJ	0.26 UJ
Methoxychlor	SW8081A		0.46 UJ	--	0.14 J	0.54 UJ	5.9 J	0.52 UJ
Mirex	SW8081A		0.12 J	--	0.08 J	0.27 UJ	0.32 J	0.96 J
Nonachlor, cis-	SW8081A		1.9 J	--	0.41 J	1.8 J	1.4 J	1.6 J
Nonachlor, trans-	SW8081A		0.23 UJ	--	0.25 UJ	0.27 UJ	0.28 UJ	0.26 UJ
Oxychlordanes	SW8081A		0.9 J	--	0.23 J	0.27 UJ	0.32 J	0.65 J
Sum DDD (U = 0)	--		14.6 J	--	7.8 J	13.1 J	9.6 J	11.8 J
Sum DDD (U = 1/2)	--		14.6 J	--	7.8 J	13.1 J	9.6 J	11.8 J
Sum DDE (U = 0)	--		10.8 J	--	9.3 J	9.8 J	8.8 J	10.1 J
Sum DDE (U = 1/2)	--		10.8 J	--	9.3 J	9.8 J	8.8 J	10.1 J
Sum DDT (U = 0)	--		4.57 J	--	8.1 J	2.9 J	7.38 J	1.6 J
Sum DDT (U = 1/2)	--		4.57 J	--	8.22 J	3.04 J	7.38 J	1.73 J
Total chlordanes (U = 0)	--		9.8 J	--	5.54 J	8.8 J	6.62 J	9.15 J
Total chlordanes (U = 1/2)	--		10.03 J	--	5.79 J	9.21 J	6.9 J	9.41 J
Total DDx (U = 0)	--		29.97 J	--	25.2 J	25.8 J	25.78 J	23.5 J
Total DDx (U = 1/2)	--		29.97 J	--	25.32 J	25.93 J	25.78 J	23.63 J
Toxaphene	SW8081A		9.3 UJ	--	9.9 UJ	11 UJ	11 UJ	10 UJ
Pesticides - High Resolution (µg/kg)								
2,4'-DDD (o,p'-DDD)	E1699		7.5	9.1	--	--	--	--
2,4'-DDE (o,p'-DDE)	E1699		1.6	1.9	--	--	--	--
2,4'-DDT (o,p'-DDT)	E1699		0.65	0.52	--	--	--	--
4,4'-DDD (p,p'-DDD)	E1699		23	26	--	--	--	--
4,4'-DDE (p,p'-DDE)	E1699		23	25	--	--	--	--
4,4'-DDT (p,p'-DDT)	E1699		7	4	--	--	--	--
Aldrin	E1699		0.084 J	0.087 J	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2114	Spring Surface Sediment 2115	Spring Surface Sediment 2116	Spring Surface Sediment 2117	Spring Surface Sediment 2118	Spring Surface Sediment 2119
Task		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
Tributary		1.25	1.25	1.28	1.31	1.31	1.31
River Mile		NC037SG_20120421	NC037SG_20120421	NC038SG_20120423	NC039SG_20120421	NC039SG_20120421	NC040SG_20120423
Location ID		NC037SG-000014-20120421	NC1037SG-000014-20120421	NC038SG-000015-20120423	NC039SG-000015-20120421	NC1039SG-000015-20120421	NC040SG-000010-20120423
Sample ID		4/21/2012	4/21/2012	4/23/2012	4/21/2012	4/21/2012	4/23/2012
Sample Date		0 - 14 cm	0 - 14 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
Sample Depth		22.5	22.5	16.7	14	14	23
Water Column Depth		N	FD	N	N	FD	N
Sample Type		SE	SE	SE	SE	SE	SE
Matrix							
alpha-Hexachlorocyclohexane (BHC)	E1699	0.094 J	0.11 J	--	--	--	--
Chlordane, alpha- (cis-Chlordane)	E1699	13	14	--	--	--	--
Chlordane, beta- (trans-Chlordane)	E1699	15	17	--	--	--	--
delta-Hexachlorocyclohexane (BHC)	E1699	0.041 J	0.047 U	--	--	--	--
Dieldrin	E1699	5	5.7	--	--	--	--
Endosulfan sulfate	E1699	0.065 J	0.042 U	--	--	--	--
Endosulfan-alpha (I)	E1699	0.13 U	0.15 U	--	--	--	--
Endosulfan-beta (II)	E1699	0.37 J	0.35 U	--	--	--	--
Endrin	E1699	0.087 U	0.14 U	--	--	--	--
Endrin aldehyde	E1699	0.059 U	0.11 U	--	--	--	--
Endrin ketone	E1699	0.065 U	0.11 U	--	--	--	--
Heptachlor	E1699	0.031 J	0.019 U	--	--	--	--
Heptachlor epoxide	E1699	0.16 J	0.17 J	--	--	--	--
Hexachlorobenzene	E1699	4.9	5.6	--	--	--	--
Hexachlorocyclohexane, beta- (BHC)	E1699	0.078 J	0.099 J	--	--	--	--
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	E1699	0.073 J	0.072 J	--	--	--	--
Methoxychlor	E1699	0.62 U	2 U	--	--	--	--
Mirex	E1699	0.49	0.55	--	--	--	--
Nonachlor, cis-	E1699	3.3	3.4	--	--	--	--
Nonachlor, trans-	E1699	7.7	8.7	--	--	--	--
Oxychlordane	E1699	0.057 J	0.087 J	--	--	--	--
Sum DDD high resolution (U = 0)	--	30.5	35.1	--	--	--	--
Sum DDD high resolution (U = 1/2)	--	30.5	35.1	--	--	--	--
Sum DDE high resolution (U = 0)	--	24.6	26.9	--	--	--	--
Sum DDE high resolution (U = 1/2)	--	24.6	26.9	--	--	--	--
Sum DDT high resolution (U = 0)	--	7.65	4.52	--	--	--	--
Sum DDT high resolution (U = 1/2)	--	7.65	4.52	--	--	--	--
Total chlordane high resolution (U = 0)	--	39.057 J	43.187 J	--	--	--	--
Total chlordane high resolution (U = 1/2)	--	39.057 J	43.187 J	--	--	--	--
Total DDx high resolution (U = 0)	--	62.75	66.52	--	--	--	--
Total DDx high resolution (U = 1/2)	--	62.75	66.52	--	--	--	--
Toxaphene	E1699	4.6 U	5.3 U	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2114	Spring Surface Sediment 2115	Spring Surface Sediment 2116	Spring Surface Sediment 2117	Spring Surface Sediment 2118	Spring Surface Sediment 2119
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.25	1.25	1.28	1.31	1.31	1.31
Location ID		NC037SG_20120421	NC037SG_20120421	NC038SG_20120423	NC039SG_20120421	NC039SG_20120421	NC040SG_20120423
Sample ID		NC037SG-000014-20120421	NC1037SG-000014-20120421	NC038SG-000015-20120423	NC039SG-000015-20120421	NC1039SG-000015-20120421	NC040SG-000010-20120423
Sample Date		4/21/2012	4/21/2012	4/23/2012	4/21/2012	4/21/2012	4/23/2012
Sample Depth		0 - 14 cm	0 - 14 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
Water Column Depth		22.5	22.5	16.7	14	14	23
Sample Type		N	FD	N	N	FD	N
Matrix		SE	SE	SE	SE	SE	SE
Herbicides (µg/kg)							
2,2-Dichloropropionic acid (dalapon)	SW8151A	250 UJ	--	270 UJ	290 UJ	3000 UJ	280 UJ
2,4,5-T (2,4,5-trichlorophenoxyacetic acid)	SW8151A	55 U	--	60 U	65 U	660 U	62 U
2,4,5-TP (Silvex)	SW8151A	55 U	--	60 U	65 U	660 U	62 U
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	220 U	--	240 U	260 U	2600 U	250 U
2,4-DB (2,4-D derivative)	SW8151A	220 U	--	240 U	260 U	2600 U	250 U
Dicamba	SW8151A	110 U	--	120 U	130 U	1300 U	120 U
Dichlorprop	SW8151A	220 U	--	240 U	260 U	2600 U	250 U
Dinoseb	SW8151A	33 UJ	--	36 UJ	39 UJ	400 UJ	37 UJ
Mecoprop (MCPPE)	SW8151A	22000 U	--	24000 U	26000 U	260000 U	25000 U
Mephanac (MCPA)	SW8151A	22000 U	--	24000 U	26000 U	260000 U	25000 U
Dioxin Furans (ng/kg)							
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	7.58	8.3	--	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	20.2	20.5 J	--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	24.5 J	21.5	--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	61.5	60.2	--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	45.7	45.1	--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B	774	793	--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B	5900	6170	--	--	--	--
Total tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	225 J	209 J	--	--	--	--
Total pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	289 J	260 J	--	--	--	--
Total hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	727 J	647	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task Tributary River Mile Location ID Sample ID Sample Date Sample Depth Water Column Depth Sample Type Matrix	Spring Surface Sediment 2114 Newtown Creek 1.25 NC037SG_20120421 NC037SG-000014-20120421 4/21/2012 0 - 14 cm 22.5 N SE	Spring Surface Sediment 2115 Newtown Creek 1.25 NC037SG_20120421 NC1037SG-000014-20120421 4/21/2012 0 - 14 cm 22.5 FD SE	Spring Surface Sediment 2116 Newtown Creek 1.28 NC038SG_20120423 NC038SG-000015-20120423 4/23/2012 0 - 15 cm 16.7 N SE	Spring Surface Sediment 2117 Newtown Creek 1.31 NC039SG_20120421 NC039SG-000015-20120421 4/21/2012 0 - 15 cm 14 N SE	Spring Surface Sediment 2118 Newtown Creek 1.31 NC039SG_20120421 NC1039SG-000015-20120421 4/21/2012 0 - 15 cm 14 FD SE	Spring Surface Sediment 2119 Newtown Creek 1.31 NC040SG_20120423 NC040SG-000010-20120423 4/23/2012 0 - 10 cm 23 N SE
Total heptachlorodibenzo-p-dioxin (HpCDD)	E1613B		1610	1700	--	--	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B		31	32.7	--	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B		67.8	76	--	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B		67.2	71.4	--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B		280	327	--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B		142 J	163	--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B		20.6	22.3	--	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B		75.1	82	--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B		1500	1990	--	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B		45.1	49.9	--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B		1220	1860	--	--	--	--
Total tetrachlorodibenzofuran (TCDF)	E1613B		864 J	907 J	--	--	--	--
Total pentachlorodibenzofuran (PeCDF)	E1613B		1040 J	1210 J	--	--	--	--
Total hexachlorodibenzofuran (HxCDF)	E1613B		1500 J	1760	--	--	--	--
Total heptachlorodibenzofuran (HpCDF)	E1613B		1890	2450	--	--	--	--
Total dioxin/furan TEQ 1998 (avian) (U = 0)	--		207.88 J	228.11 J	--	--	--	--
Total dioxin/furan TEQ 1998 (avian) (U = 1/2)	--		207.88 J	228.11 J	--	--	--	--
Total dioxin/furan TEQ 1998 (fish) (U = 0)	--		148.35 J	163.16 J	--	--	--	--
Total dioxin/furan TEQ 1998 (fish) (U = 1/2)	--		148.35 J	163.16 J	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2114	Spring Surface Sediment 2115	Spring Surface Sediment 2116	Spring Surface Sediment 2117	Spring Surface Sediment 2118	Spring Surface Sediment 2119
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.25	1.25	1.28	1.31	1.31	1.31
Location ID		NC037SG_20120421	NC037SG_20120421	NC038SG_20120423	NC039SG_20120421	NC039SG_20120421	NC040SG_20120423
Sample ID		NC037SG-000014-20120421	NC1037SG-000014-20120421	NC038SG-000015-20120423	NC039SG-000015-20120421	NC1039SG-000015-20120421	NC040SG-000010-20120423
Sample Date		4/21/2012	4/21/2012	4/23/2012	4/21/2012	4/21/2012	4/23/2012
Sample Depth		0 - 14 cm	0 - 14 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
Water Column Depth		22.5	22.5	16.7	14	14	23
Sample Type		N	FD	N	N	FD	N
Matrix		SE	SE	SE	SE	SE	SE
Total dioxin/furan TEQ 2005 (mammal) (U = 0)	--	143.34 J	158.62 J	--	--	--	--
Total dioxin/furan TEQ 2005 (mammal) (U = 1/2)	--	143.34 J	158.62 J	--	--	--	--
PCB Aroclors (µg/kg)							
Aroclor 1016	SW8082A	5.8 U	--	6.2 U	6.7 U	6.9 U	6.5 U
Aroclor 1221	SW8082A	5.8 U	--	6.2 U	6.7 U	6.9 U	6.5 U
Aroclor 1232	SW8082A	5.8 U	--	6.2 U	6.7 U	6.9 U	6.5 U
Aroclor 1242	SW8082A	550 J	--	470 J	340	490 J	890 J
Aroclor 1248	SW8082A	5.8 U	--	6.2 U	6.7 U	6.9 U	6.5 U
Aroclor 1254	SW8082A	540 J	--	400 J	370	520 J	800 J
Aroclor 1260	SW8082A	5.8 U	--	6.2 U	6.7 U	6.9 U	6.5 U
Aroclor 1262	SW8082A	5.8 U	--	6.2 U	6.7 U	6.9 U	6.5 U
Aroclor 1268	SW8082A	5.8 U	--	6.2 U	6.7 U	6.9 U	6.5 U
Total PCB Aroclors (U = 0)	--	1090 J	--	870 J	710	1010 J	1690 J
Total PCB Aroclors (U = 1/2)	--	1110.3 J	--	891.7 J	733.5	1034.2 J	1712.8 J
PCB Congeners (ng/kg)							
PCB-001	E1668B	2630	3670	--	--	--	--
PCB-002	E1668B	195	230	--	--	--	--
PCB-003	E1668B	1730	1940	--	--	--	--
PCB-004	E1668B	4230 J	5680 J	--	--	--	--
PCB-005	E1668B	229	441	--	--	--	--
PCB-006	E1668B	2140	3230	--	--	--	--
PCB-007	E1668B	447	912	--	--	--	--
PCB-008	E1668B	9690	13300 J	--	--	--	--
PCB-009	E1668B	678	1210	--	--	--	--
PCB-010	E1668B	298	469	--	--	--	--
PCB-011	E1668B	1130	699	--	--	--	--
PCB-012/013	E1668B	1050	1700	--	--	--	--
PCB-014	E1668B	1.67 U	2.73 U	--	--	--	--
PCB-015	E1668B	6550	8790	--	--	--	--
PCB-016	E1668B	9540	8840	--	--	--	--
PCB-017	E1668B	8910	9050	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2114	Spring Surface Sediment 2115	Spring Surface Sediment 2116	Spring Surface Sediment 2117	Spring Surface Sediment 2118	Spring Surface Sediment 2119
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	1.25	1.25	1.28	1.31	1.31	1.31
		Location ID	NC037SG_20120421	NC037SG_20120421	NC038SG_20120423	NC039SG_20120421	NC039SG_20120421	NC040SG_20120423
		Sample ID	NC037SG-000014-20120421	NC1037SG-000014-20120421	NC038SG-000015-20120423	NC039SG-000015-20120421	NC1039SG-000015-20120421	NC040SG-000010-20120423
		Sample Date	4/21/2012	4/21/2012	4/23/2012	4/21/2012	4/21/2012	4/23/2012
		Sample Depth	0 - 14 cm	0 - 14 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
		Water Column Depth	22.5	22.5	16.7	14	14	23
		Sample Type	N	FD	N	N	FD	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-018/030	E1668B		19000	17300	--	--	--	--
PCB-019	E1668B		2220	1810	--	--	--	--
PCB-020/028	E1668B		26400 J	28100 J	--	--	--	--
PCB-021/033	E1668B		12200	11700	--	--	--	--
PCB-022	E1668B		8980	9420	--	--	--	--
PCB-023	E1668B		19.6	27.2	--	--	--	--
PCB-024	E1668B		262	312	--	--	--	--
PCB-025	E1668B		2120	2510	--	--	--	--
PCB-026/029	E1668B		4150	4600	--	--	--	--
PCB-027	E1668B		1570	1640	--	--	--	--
PCB-031	E1668B		23000 J	23900 J	--	--	--	--
PCB-032	E1668B		6500	6430	--	--	--	--
PCB-034	E1668B		79	98.7	--	--	--	--
PCB-035	E1668B		386	414	--	--	--	--
PCB-036	E1668B		14	15	--	--	--	--
PCB-037	E1668B		7080	7370	--	--	--	--
PCB-038	E1668B		21.9	20	--	--	--	--
PCB-039	E1668B		103	101	--	--	--	--
PCB-040/071	E1668B		12600	9850	--	--	--	--
PCB-041	E1668B		3120	2580	--	--	--	--
PCB-042	E1668B		7370	6060	--	--	--	--
PCB-043	E1668B		1110	887	--	--	--	--
PCB-044/047/065	E1668B		33700 J	21800	--	--	--	--
PCB-045	E1668B		4690	3380	--	--	--	--
PCB-045/051	E1668B		--	--	--	--	--	--
PCB-046	E1668B		1960	1360	--	--	--	--
PCB-048	E1668B		6080	4850	--	--	--	--
PCB-049/069	E1668B		17600	14200	--	--	--	--
PCB-050/053	E1668B		5220	3310	--	--	--	--
PCB-051	E1668B		4880	1200	--	--	--	--
PCB-052	E1668B		34300 J	25900 J	--	--	--	--
PCB-054	E1668B		490	97	--	--	--	--
PCB-055	E1668B		401	291	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task Tributary River Mile Location ID Sample ID Sample Date Sample Depth Water Column Depth Sample Type Matrix	Spring Surface Sediment 2114 Newtown Creek 1.25 NC037SG_20120421 NC037SG-000014-20120421 4/21/2012 0 - 14 cm 22.5 N SE	Spring Surface Sediment 2115 Newtown Creek 1.25 NC037SG_20120421 NC1037SG-000014-20120421 4/21/2012 0 - 14 cm 22.5 FD SE	Spring Surface Sediment 2116 Newtown Creek 1.28 NC038SG_20120423 NC038SG-000015-20120423 4/23/2012 0 - 15 cm 16.7 N SE	Spring Surface Sediment 2117 Newtown Creek 1.31 NC039SG_20120421 NC039SG-000015-20120421 4/21/2012 0 - 15 cm 14 N SE	Spring Surface Sediment 2118 Newtown Creek 1.31 NC039SG_20120421 NC1039SG-000015-20120421 4/21/2012 0 - 15 cm 14 FD SE	Spring Surface Sediment 2119 Newtown Creek 1.31 NC040SG_20120423 NC040SG-000010-20120423 4/23/2012 0 - 10 cm 23 N SE
PCB-056	E1668B		10900 J	7860	--	--	--	--
PCB-057	E1668B		126	110	--	--	--	--
PCB-058	E1668B		48.7	44.3	--	--	--	--
PCB-059/062/075	E1668B		2520	1970	--	--	--	--
PCB-060	E1668B		6000	4180	--	--	--	--
PCB-061/070/074/076	E1668B		41100	31000	--	--	--	--
PCB-063	E1668B		891	744	--	--	--	--
PCB-064	E1668B		11000 J	8840	--	--	--	--
PCB-066	E1668B		21700 J	17000 J	--	--	--	--
PCB-067	E1668B		791	692	--	--	--	--
PCB-068	E1668B		118	98	--	--	--	--
PCB-072	E1668B		145	158	--	--	--	--
PCB-073	E1668B		157	76	--	--	--	--
PCB-077	E1668B		1790	1440	--	--	--	--
PCB-078	E1668B		7.27 U	7.93 U	--	--	--	--
PCB-079	E1668B		198	133	--	--	--	--
PCB-080	E1668B		6.02 U	6.57 U	--	--	--	--
PCB-081	E1668B		97.3	68.7	--	--	--	--
PCB-082	E1668B		4350	2790	--	--	--	--
PCB-083	E1668B		1660	1140	--	--	--	--
PCB-084	E1668B		8840	6100	--	--	--	--
PCB-085/116	E1668B		4830	3240	--	--	--	--
PCB-085/116/117	E1668B		--	--	--	--	--	--
PCB-086/087/097/108/119/125	E1668B		21400	16200	--	--	--	--
PCB-088	E1668B		7.15 U	20.4 U	--	--	--	--
PCB-088/091	E1668B		--	--	--	--	--	--
PCB-089	E1668B		459	273	--	--	--	--
PCB-090/101/113	E1668B		30900	34000	--	--	--	--
PCB-091	E1668B		5090	3380	--	--	--	--
PCB-092	E1668B		5580	5120	--	--	--	--
PCB-093/100	E1668B		1970	360	--	--	--	--
PCB-094	E1668B		415	172	--	--	--	--
PCB-095	E1668B		24700 J	27400 J	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task Tributary River Mile Location ID Sample ID Sample Date Sample Depth Water Column Depth Sample Type Matrix	Spring Surface Sediment 2114 Newtown Creek 1.25 NC037SG_20120421 NC037SG-000014-20120421 4/21/2012 0 - 14 cm 22.5 N SE	Spring Surface Sediment 2115 Newtown Creek 1.25 NC037SG_20120421 NC1037SG-000014-20120421 4/21/2012 0 - 14 cm 22.5 FD SE	Spring Surface Sediment 2116 Newtown Creek 1.28 NC038SG_20120423 NC038SG-000015-20120423 4/23/2012 0 - 15 cm 16.7 N SE	Spring Surface Sediment 2117 Newtown Creek 1.31 NC039SG_20120421 NC039SG-000015-20120421 4/21/2012 0 - 15 cm 14 N SE	Spring Surface Sediment 2118 Newtown Creek 1.31 NC039SG_20120421 NC1039SG-000015-20120421 4/21/2012 0 - 15 cm 14 FD SE	Spring Surface Sediment 2119 Newtown Creek 1.31 NC040SG_20120423 NC040SG-000010-20120423 4/23/2012 0 - 10 cm 23 N SE
PCB-096	E1668B		417	220	--	--	--	--
PCB-098	E1668B		67.9	36.8	--	--	--	--
PCB-098/102	E1668B		--	--	--	--	--	--
PCB-099	E1668B		15100 J	11000	--	--	--	--
PCB-102	E1668B		1160	877	--	--	--	--
PCB-103	E1668B		678	270	--	--	--	--
PCB-104	E1668B		149	9.57	--	--	--	--
PCB-105	E1668B		10300	7270	--	--	--	--
PCB-106	E1668B		5.4 U	15.4 U	--	--	--	--
PCB-107/124	E1668B		1060	788	--	--	--	--
PCB-109	E1668B		1570	1290	--	--	--	--
PCB-110	E1668B		35100 J	30400 J	--	--	--	--
PCB-110/115	E1668B		--	--	--	--	--	--
PCB-111	E1668B		5 U	14.3 U	--	--	--	--
PCB-112	E1668B		5.29 U	65.2	--	--	--	--
PCB-114	E1668B		596	421	--	--	--	--
PCB-115	E1668B		631	431	--	--	--	--
PCB-117	E1668B		769	517	--	--	--	--
PCB-118	E1668B		22700 J	18900 J	--	--	--	--
PCB-120	E1668B		5.02 U	14.3 U	--	--	--	--
PCB-121	E1668B		5.06 U	14.4 U	--	--	--	--
PCB-122	E1668B		349	228	--	--	--	--
PCB-123	E1668B		422	269	--	--	--	--
PCB-126	E1668B		88	69.2	--	--	--	--
PCB-127	E1668B		5.33 U	13.6 U	--	--	--	--
PCB-128/166	E1668B		4510	4090	--	--	--	--
PCB-129/138/163	E1668B		33200 J	43800 J	--	--	--	--
PCB-130	E1668B		1940	2000	--	--	--	--
PCB-131	E1668B		439	425	--	--	--	--
PCB-132	E1668B		10600 J	13700 J	--	--	--	--
PCB-133	E1668B		443	490	--	--	--	--
PCB-134	E1668B		1800	2140	--	--	--	--
PCB-135/151	E1668B		11400	17600	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2114	Spring Surface Sediment 2115	Spring Surface Sediment 2116	Spring Surface Sediment 2117	Spring Surface Sediment 2118	Spring Surface Sediment 2119
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	1.25	1.25	1.28	1.31	1.31	1.31
		Location ID	NC037SG_20120421	NC037SG_20120421	NC038SG_20120423	NC039SG_20120421	NC039SG_20120421	NC040SG_20120423
		Sample ID	NC037SG-000014-20120421	NC1037SG-000014-20120421	NC038SG-000015-20120423	NC039SG-000015-20120421	NC1039SG-000015-20120421	NC040SG-000010-20120423
		Sample Date	4/21/2012	4/21/2012	4/23/2012	4/21/2012	4/21/2012	4/23/2012
		Sample Depth	0 - 14 cm	0 - 14 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
		Water Column Depth	22.5	22.5	16.7	14	14	23
		Sample Type	N	FD	N	N	FD	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-136	E1668B		4340	6800	--	--	--	--
PCB-137	E1668B		1300	760	--	--	--	--
PCB-139/140	E1668B		535	399	--	--	--	--
PCB-141	E1668B		6450	10300	--	--	--	--
PCB-142	E1668B		0.592 U	1.3 U	--	--	--	--
PCB-143	E1668B		81.1	64.8	--	--	--	--
PCB-144	E1668B		1590	2780	--	--	--	--
PCB-145	E1668B		12.5	11.8	--	--	--	--
PCB-146	E1668B		4690	6120	--	--	--	--
PCB-147/149	E1668B		28000 J	39800 J	--	--	--	--
PCB-148	E1668B		133	35.5	--	--	--	--
PCB-150	E1668B		232	61.2	--	--	--	--
PCB-152	E1668B		106	31	--	--	--	--
PCB-153/168	E1668B		28000 J	39600 J	--	--	--	--
PCB-154	E1668B		1310	390	--	--	--	--
PCB-155	E1668B		47.5	8.09	--	--	--	--
PCB-156/157	E1668B		3450	3510	--	--	--	--
PCB-158	E1668B		3350	4220	--	--	--	--
PCB-159	E1668B		4.14 U	3.99 U	--	--	--	--
PCB-160	E1668B		11	15.2	--	--	--	--
PCB-161	E1668B		0.403 U	0.884 U	--	--	--	--
PCB-162	E1668B		98.7 J	70.8	--	--	--	--
PCB-164	E1668B		2370	3270	--	--	--	--
PCB-165	E1668B		0.454 U	0.996 U	--	--	--	--
PCB-167	E1668B		1170	1230	--	--	--	--
PCB-169	E1668B		5.43 U	5.23 U	--	--	--	--
PCB-170	E1668B		9710	15400 J	--	--	--	--
PCB-171/173	E1668B		2320	4010	--	--	--	--
PCB-172	E1668B		1450	2230	--	--	--	--
PCB-174	E1668B		8340	13300 J	--	--	--	--
PCB-175	E1668B		334	558	--	--	--	--
PCB-176	E1668B		964	1690	--	--	--	--
PCB-177	E1668B		4620	7640	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2114	Spring Surface Sediment 2115	Spring Surface Sediment 2116	Spring Surface Sediment 2117	Spring Surface Sediment 2118	Spring Surface Sediment 2119
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	1.25	1.25	1.28	1.31	1.31	1.31
		Location ID	NC037SG_20120421	NC037SG_20120421	NC038SG_20120423	NC039SG_20120421	NC039SG_20120421	NC040SG_20120423
		Sample ID	NC037SG-000014-20120421	NC1037SG-000014-20120421	NC038SG-000015-20120423	NC039SG-000015-20120421	NC1039SG-000015-20120421	NC040SG-000010-20120423
		Sample Date	4/21/2012	4/21/2012	4/23/2012	4/21/2012	4/21/2012	4/23/2012
		Sample Depth	0 - 14 cm	0 - 14 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
		Water Column Depth	22.5	22.5	16.7	14	14	23
		Sample Type	N	FD	N	N	FD	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-178	E1668B	1870	2470	--	--	--	--	--
PCB-179	E1668B	3910	5760	--	--	--	--	--
PCB-180/193	E1668B	23700 J	36900 J	--	--	--	--	--
PCB-181	E1668B	69.7	4.61 U	--	--	--	--	--
PCB-182	E1668B	47.8	53	--	--	--	--	--
PCB-183	E1668B	4480	7860	--	--	--	--	--
PCB-183/185	E1668B	--	--	--	--	--	--	--
PCB-184	E1668B	14.9	10.7	--	--	--	--	--
PCB-185	E1668B	840	1290	--	--	--	--	--
PCB-186	E1668B	0.491 U	0.934 U	--	--	--	--	--
PCB-187	E1668B	11400 J	15600 J	--	--	--	--	--
PCB-188	E1668B	100	19.8	--	--	--	--	--
PCB-189	E1668B	272	427	--	--	--	--	--
PCB-190	E1668B	1590	2590	--	--	--	--	--
PCB-191	E1668B	325	540	--	--	--	--	--
PCB-192	E1668B	2.39 U	4.49 U	--	--	--	--	--
PCB-194	E1668B	5120	6180	--	--	--	--	--
PCB-195	E1668B	2010	2810	--	--	--	--	--
PCB-196	E1668B	2070	2800	--	--	--	--	--
PCB-197	E1668B	119	201	--	--	--	--	--
PCB-197/200	E1668B	--	--	--	--	--	--	--
PCB-198/199	E1668B	4880	5700	--	--	--	--	--
PCB-200	E1668B	528	669	--	--	--	--	--
PCB-201	E1668B	569	735	--	--	--	--	--
PCB-202	E1668B	1150	1270	--	--	--	--	--
PCB-203	E1668B	3020	3570	--	--	--	--	--
PCB-204	E1668B	2.72	1.44 U	--	--	--	--	--
PCB-205	E1668B	200	254	--	--	--	--	--
PCB-206	E1668B	2990	2310	--	--	--	--	--
PCB-207	E1668B	291	237	--	--	--	--	--
PCB-208	E1668B	835	663	--	--	--	--	--
PCB-209	E1668B	1260	1270	--	--	--	--	--
Total PCB congener (U = 0)	--	849017.32 J	870084.56 J	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2114	Spring Surface Sediment 2115	Spring Surface Sediment 2116	Spring Surface Sediment 2117	Spring Surface Sediment 2118	Spring Surface Sediment 2119
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.25	1.25	1.28	1.31	1.31	1.31
Location ID		NC037SG_20120421	NC037SG_20120421	NC038SG_20120423	NC039SG_20120421	NC039SG_20120421	NC040SG_20120423
Sample ID		NC037SG-000014-20120421	NC1037SG-000014-20120421	NC038SG-000015-20120423	NC039SG-000015-20120421	NC1039SG-000015-20120421	NC040SG-000010-20120423
Sample Date		4/21/2012	4/21/2012	4/23/2012	4/21/2012	4/21/2012	4/23/2012
Sample Depth		0 - 14 cm	0 - 14 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 10 cm
Water Column Depth		22.5	22.5	16.7	14	14	23
Sample Type		N	FD	N	N	FD	N
Matrix		SE	SE	SE	SE	SE	SE
Total PCB congener (U = 1/2)	--	849050.875 J	870151.312 J	--	--	--	--
Total PCB congener TEQ 1998 (avian) (U = 0)	--	109.71 J	87.12 J	--	--	--	--
Total PCB congener TEQ 1998 (avian) (U = 1/2)	--	109.71 J	87.12 J	--	--	--	--
Total PCB congener TEQ 1998 (fish) (U = 0)	--	0.86 J	0.68 J	--	--	--	--
Total PCB congener TEQ 1998 (fish) (U = 1/2)	--	0.86 J	0.68 J	--	--	--	--
Total PCB congener TEQ 2005 (mammal) (U = 0)	--	10.18 J	8.05 J	--	--	--	--
Total PCB congener TEQ 2005 (mammal) (U = 1/2)	--	10.26 J	8.12 J	--	--	--	--
Total Petroleum Hydrocarbons (mg/kg)							
Diesel range organics (C10 - C28)	SW8015M	2920	--	2000	2720	2630	2950
Phytane	SW8015M	3.62	--	1.34	1.97 J	1.66	1.3
Pristane	SW8015M	2.13	--	1.65	2.1 J	2.17	2.31
Total petroleum hydrocarbons (C9-C40)	SW8015M	5120	--	3730	4960	4770	5120
Radionuclides (pci/g)							
Beryllium 7	HASL300	--	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task	Spring Surface Sediment 2120	Spring Surface Sediment 2121	Spring Surface Sediment 2122	Spring Surface Sediment 2123	Spring Surface Sediment 2124	Spring Surface Sediment 2125
Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile	1.31	1.44	1.45	1.45	1.45	1.45
Location ID	NC041SG_20120423	NC043SG_20120430	NC042SG_20120423	NC042SG_20120423	NC042SG_20120423	NC044SG_20120423
Sample ID	NC041SG-000015-20120423	NC043SG-000015-20120430	NC042SG-000003-20120423	NC042SG-000015-20120423	NC1042SG-000003-20120423	NC044SG-000011-20120423
Sample Date	4/23/2012	4/30/2012	4/23/2012	4/23/2012	4/23/2012	4/23/2012
Sample Depth	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 3 cm	0 - 11 cm
Water Column Depth	17.8	21	14.9	14.9	14.9	14
Sample Type	N	N	N	N	FD	N
Matrix	SE	SE	SE	SE	SE	SE
Conventional Parameters (lb/ft³)						
Density	D7263	22.5	25.5	--	21.9	--
Conventional Parameters (mg/kg)						
Ammonia as nitrogen	SM4500NH3H	23 U	45	--	24 U	--
Cyanide, total	SW9012A	3.3 U	3.2 U	--	3.3 U	--
Nitrate + nitrite as nitrogen	SM4500NO3F	8.9 U	8.3 U	--	8.4 U	--
Nitrogen ((No Suggestions))	SM4500NORGC	1900	4000	--	2600	--
Phosphorus	SM4500PE	1500 J	1800	--	1200 J	--
Sulfide	SW9030B	950	2500	--	750	--
Conventional Parameters (pct)						
Moisture (water) content	D2216	--	--	--	--	178.9
Moisture, percent	D2216	--	--	--	--	74.3
Soot carbon	SOOTC	0.185 J	0.543	--	0.16 J	--
Total organic carbon	SW9060	3.605	3.21 J	--	3.18	--
Total solids	SM2540G	28.7	29.9	--	27.5	--
Conventional Parameters (SU)						
pH	SW9045C	8	8.1	--	7.9	--
Conventional Parameters (unitless)						
Liquid limit	D4318	--	--	--	--	134
Plastic limit	D4318	--	--	--	--	46
Plasticity index	D4318	--	--	--	--	88
Specific gravity	D854	--	--	--	--	2.48
Grain Size (pct)						
Cobbles	D422	0	0	--	0	--
Gravel	D422	0	0	--	0	--
Sand	D422	6.2	2	--	3.2	--
Fines (silt + clay)	D422	93.8	98	--	96.8	--
Percent passing 0.375 inch (3/8 inch sieve)	D422	--	--	--	100	--
Percent passing 0.5 inch (1/2 inch sieve)	D422	--	--	--	--	--
Percent passing 0.75 inch (3/4 inch sieve)	D422	--	--	--	--	--
Percent passing 1 inch (1 inch sieve)	D422	--	--	--	--	--
Percent passing 75 micron sieve (#200)	D422	94	98	--	97	--
Percent passing 150 micron sieve (#100)	D422	96	99	--	98	--

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2120	Spring Surface Sediment 2121	Spring Surface Sediment 2122	Spring Surface Sediment 2123	Spring Surface Sediment 2124	Spring Surface Sediment 2125
Task		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
Tributary		1.31	1.44	1.45	1.45	1.45	1.45
River Mile		NC041SG_20120423	NC043SG_20120430	NC042SG_20120423	NC042SG_20120423	NC042SG_20120423	NC044SG_20120423
Location ID		NC041SG-000015-20120423	NC043SG-000015-20120430	NC042SG-000003-20120423	NC042SG-000015-20120423	NC1042SG-000003-20120423	NC044SG-000011-20120423
Sample ID		4/23/2012	4/30/2012	4/23/2012	4/23/2012	4/23/2012	4/23/2012
Sample Date		0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 3 cm	0 - 11 cm
Sample Depth		17.8	21	14.9	14.9	14.9	14
Water Column Depth		N	N	N	N	FD	N
Sample Type		SE	SE	SE	SE	SE	SE
Matrix							
Percent passing 250 micron sieve (#60)	D422	97	99	--	98	--	81
Percent passing 425 micron sieve (#40)	D422	99	100	--	99	--	85
Percent passing 850 micron sieve (#20)	D422	99	100	--	99	--	89
Percent passing 2000 micron sieve (#10)	D422	100	100	--	99	--	92
Percent passing 4750 micron sieve (#4)	D422	100	100	--	100	--	97
Metals (mg/kg)							
Aluminum	SW6020A	14100	15600	--	14800	--	12400
Antimony	SW6020A	0.415 J	0.873 J	--	0.478 J	--	0.613 J
Arsenic	SW6020A	16.6	14.9	--	15.5	--	14.9
Barium	SW6020A	104 J	99.4	--	93.6 J	--	119 J
Beryllium	SW6020A	0.888	1.04	--	1.07	--	1.08
Cadmium	SW6020A	4.59 J	4.76	--	3.47 J	--	3.79 J
Calcium	SW6020A	8700 J	7630	--	7830 J	--	11500 J
Chromium	SW6020A	97.6 J	98.7	--	90.2 J	--	94.6 J
Cobalt	SW6020A	11.8 J	11.7	--	12.4 J	--	13.7 J
Copper	SW6020A	362 J	314	--	278 J	--	289 J
Iron	SW6020A	30700	35400	--	32700	--	29400
Lead	SW6020A	239	204	--	178	--	204
Magnesium	SW6020A	9380	10700	--	10400	--	9500
Manganese	SW6020A	405 J	418	--	465 J	--	494 J
Mercury	E1631M	1.1 J	1.28	--	1.11 J	--	0.949 J
Nickel	SW6020A	60 J	48	--	51.4 J	--	55.9 J
Potassium	SW6020A	3670 J	3770 J	--	3960 J	--	3250 J
Selenium	SW6020A	2.15	2.85 J	--	1.7	--	2
Silver	SW6020A	3.45	5	--	3.73	--	3.68
Sodium	SW6020A	18100 J	20100 J	--	18600 J	--	17000 J
Thallium	SW6020A	0.318	0.352	--	0.357	--	0.316
Tin	SW6020A	16.6	26.5	--	16.5	--	47.5
Vanadium	SW6020A	44.7	40.7	--	40.8	--	38.3
Zinc	SW6020A	585 J	554 J	--	496 J	--	565 J
Organometallic Compounds (µg/kg)							
Methyl mercury	E1630M	--	--	--	--	--	0.595

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2120	Spring Surface Sediment 2121	Spring Surface Sediment 2122	Spring Surface Sediment 2123	Spring Surface Sediment 2124	Spring Surface Sediment 2125
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.31	1.44	1.45	1.45	1.45	1.45
Location ID		NC041SG_20120423	NC043SG_20120430	NC042SG_20120423	NC042SG_20120423	NC042SG_20120423	NC044SG_20120423
Sample ID		NC041SG-000015-20120423	NC043SG-000015-20120430	NC042SG-000003-20120423	NC042SG-000015-20120423	NC1042SG-000003-20120423	NC044SG-000011-20120423
Sample Date		4/23/2012	4/30/2012	4/23/2012	4/23/2012	4/23/2012	4/23/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 3 cm	0 - 11 cm
Water Column Depth		17.8	21	14.9	14.9	14.9	14
Sample Type		N	N	N	N	FD	N
Matrix		SE	SE	SE	SE	SE	SE
Volatile Organics (µg/kg)							
1,1,1-Trichloroethane	SW8260B	3.5 U	3.2 U	--	3.6 U	--	3.3 U
1,1,2,2-Tetrachloroethane	SW8260B	3.5 U	3.2 U	--	3.6 U	--	3.3 U
1,1,2-Trichloroethane	SW8260B	5.2 U	4.8 U	--	5.4 U	--	5 U
1,1,2-Trichlorotrifluoroethane	SW8260B	70 U	64 U	--	73 U	--	66 U
1,1-Dichloroethane	SW8260B	5.2 U	4.8 U	--	5.4 U	--	5 U
1,1-Dichloroethene	SW8260B	3.5 U	3.2 U	--	3.6 U	--	3.3 U
1,2,3-Trichlorobenzene	SW8260B	17 U	16 U	--	18 U	--	16 U
1,2,4-Trichlorobenzene	SW8260B	17 U	16 U	--	18 U	--	16 U
1,2-Dibromo-3-chloropropane	SW8260B	17 U	16 U	--	18 U	--	16 U
1,2-Dichlorobenzene	SW8260B	17 U	16 U	--	18 U	--	16 U
1,2-Dichloroethane	SW8260B	3.5 U	3.2 U	--	3.6 U	--	3.3 U
1,2-Dichloroethene, cis-	SW8260B	3.5 U	3.2 U	--	3.6 U	--	3.3 U
1,2-Dichloroethene, trans-	SW8260B	5.2 U	4.8 U	--	5.4 U	--	5 U
1,2-Dichloropropane	SW8260B	12 U	11 U	--	13 U	--	12 U
1,3-Dichlorobenzene	SW8260B	17 U	16 U	--	18 U	--	16 U
1,3-Dichloropropene, cis-	SW8260B	3.5 U	3.2 U	--	3.6 U	--	3.3 U
1,3-Dichloropropene, trans-	SW8260B	3.5 U	3.2 U	--	3.6 U	--	3.3 U
1,4-Dichlorobenzene	SW8260B	17 U	16 U	--	18 U	--	16 U
2-Butanone (MEK)	SW8260B	62	44	--	140	--	80
2-Hexanone (methyl butyl ketone)	SW8260B	35 U	32 U	--	36 U	--	33 U
Acetone	SW8260B	280	250	--	740 J	--	390
Benzene	SW8260B	3.5 U	3.2 U	--	3.6 U	--	3.3 U
Bromochloromethane	SW8260B	17 U	16 U	--	18 U	--	16 U
Bromodichloromethane	SW8260B	3.5 U	3.2 U	--	3.6 U	--	3.3 U
Bromoform (tribromomethane)	SW8260B	14 U	13 U	--	14 U	--	13 U
Bromomethane (methyl bromide)	SW8260B	7 U	6.4 U	--	7.3 U	--	6.6 U
Carbon disulfide	SW8260B	15 J	8.5 J	--	21 J	--	15 J
Carbon tetrachloride (tetrachloromethane)	SW8260B	3.5 U	3.2 U	--	3.6 U	--	3.3 U
Chlorobenzene	SW8260B	3.5 U	3.2 U	--	3.6 U	--	3.3 U
Chloroethane	SW8260B	7 U	6.4 U	--	7.3 U	--	6.6 U
Chloroform	SW8260B	5.2 U	4.8 U	--	5.4 U	--	5 U

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2120	Spring Surface Sediment 2121	Spring Surface Sediment 2122	Spring Surface Sediment 2123	Spring Surface Sediment 2124	Spring Surface Sediment 2125
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	1.31	1.44	1.45	1.45	1.45	1.45
		Location ID	NC041SG_20120423	NC043SG_20120430	NC042SG_20120423	NC042SG_20120423	NC042SG_20120423	NC044SG_20120423
		Sample ID	NC041SG-000015-20120423	NC043SG-000015-20120430	NC042SG-000003-20120423	NC042SG-000015-20120423	NC1042SG-000003-20120423	NC044SG-000011-20120423
		Sample Date	4/23/2012	4/30/2012	4/23/2012	4/23/2012	4/23/2012	4/23/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 3 cm	0 - 11 cm
		Water Column Depth	17.8	21	14.9	14.9	14.9	14
		Sample Type	N	N	N	N	FD	N
		Matrix	SE	SE	SE	SE	SE	SE
Chloromethane	SW8260B		17 U	16 U	--	18 U	--	16 U
Cyclohexane	SW8260B		70 U	64 U	--	73 U	--	66 U
Dibromochloromethane	SW8260B		3.5 U	3.2 U	--	3.6 U	--	3.3 U
Dichlorodifluoromethane	SW8260B		35 U	32 U	--	36 U	--	33 U
Dichloromethane (methylene chloride)	SW8260B		35 U	32 U	--	36 U	--	33 U
Ethylbenzene	SW8260B		3.5 U	3.2 U	--	3.6 U	--	3.3 U
Ethylene dibromide (1,2-Dibromoethane)	SW8260B		14 U	13 U	--	14 U	--	13 U
Isopropylbenzene (cumene)	SW8260B		3.5 U	3.2 U	--	3.6 U	--	3.3 U
m,p-Xylene	SW8260B		7 U	6.4 U	--	7.3 U	--	6.6 U
Methyl acetate	SW8260B		70 U	64 U	--	73 U	--	66 U
Methyl isobutyl ketone (4-methyl-2-pentanone [MIBK])	SW8260B		35 U	32 U	--	36 U	--	33 U
Methyl tert-butyl ether (MTBE)	SW8260B		7 U	6.4 U	--	7.3 U	--	6.6 U
Methylcyclohexane	SW8260B		14 U	13 U	--	14 U	--	13 U
o-Xylene	SW8260B		7 U	6.4 U	--	7.3 U	--	6.6 U
Styrene	SW8260B		7 U	6.4 U	--	7.3 U	--	6.6 U
Tetrachloroethene (PCE)	SW8260B		3.5 U	3.2 U	--	3.6 U	--	3.3 U
Toluene	SW8260B		5.2 U	4.8 U	--	5.4 U	--	5 U
Total BTEX (U = 0)	--		7 U	6.4 U	--	7.3 U	--	6.6 U
Total BTEX (U = 1/2)	--		7 U	6.4 U	--	7.3 U	--	6.6 U
Total xylene (U = 0)	--		7 U	6.4 U	--	7.3 U	--	6.6 U
Total xylene (U = 1/2)	--		7 U	6.4 U	--	7.3 U	--	6.6 U
Trichloroethene (TCE)	SW8260B		3.5 U	3.2 U	--	3.6 U	--	3.3 U
Trichlorofluoromethane (fluorotrichloromethane)	SW8260B		17 U	16 U	--	18 U	--	16 U
Vinyl acetate	SW8260B		35 U	32 U	--	36 U	--	33 U
Vinyl chloride	SW8260B		7 U	6.4 U	--	7.3 U	--	6.6 U
Semivolatile Organics (µg/kg)								
1,2,4,5-Tetrachlorobenzene	SW8270C		1100 U	420 U	--	1100 U	--	1100 U
1,4-Dioxane	SW8270C		2200 UJ	850 U	--	2300 UJ	--	2200 UJ
2,3,4,6-Tetrachlorophenol	SW8270C		1100 U	420 U	--	1100 U	--	1100 U
2,4,5-Trichlorophenol	SW8270C		1100 U	420 U	--	1100 U	--	1100 U
2,4,6-Trichlorophenol	SW8270C		1100 U	420 U	--	1100 U	--	1100 U

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2120	Spring Surface Sediment 2121	Spring Surface Sediment 2122	Spring Surface Sediment 2123	Spring Surface Sediment 2124	Spring Surface Sediment 2125
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	1.31	1.44	1.45	1.45	1.45	1.45
		Location ID	NC041SG_20120423	NC043SG_20120430	NC042SG_20120423	NC042SG_20120423	NC042SG_20120423	NC044SG_20120423
		Sample ID	NC041SG-000015-20120423	NC043SG-000015-20120430	NC042SG-000003-20120423	NC042SG-000015-20120423	NC1042SG-000003-20120423	NC044SG-000011-20120423
		Sample Date	4/23/2012	4/30/2012	4/23/2012	4/23/2012	4/23/2012	4/23/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 3 cm	0 - 11 cm
		Water Column Depth	17.8	21	14.9	14.9	14.9	14
		Sample Type	N	N	N	N	FD	N
		Matrix	SE	SE	SE	SE	SE	SE
2,4-Dichlorophenol	SW8270C		220 U	86 U	--	230 U	--	230 U
2,4-Dimethylphenol	SW8270C		1100 U	420 U	--	1100 U	--	1100 U
2,4-Dinitrophenol	SW8270C		5600 U	2200 U	--	5700 U	--	5700 U
2,4-Dinitrotoluene	SW8270C		1100 U	420 U	--	1100 U	--	1100 U
2,6-Dinitrotoluene	SW8270C		1100 U	420 U	--	1100 U	--	1100 U
2-Chloronaphthalene	SW8270C		220 U	86 U	--	230 U	--	230 U
2-Chlorophenol	SW8270C		1100 U	420 U	--	1100 U	--	1100 U
2-Methylnaphthalene	SW8270C		180 J	160	--	160 J	--	150 J
2-Methylphenol (o-Cresol)	SW8270C		1100 U	420 U	--	1100 U	--	1100 U
2-Nitroaniline	SW8270C		5600 U	2200 U	--	5700 U	--	5700 U
2-Nitrophenol	SW8270C		1100 U	420 U	--	1100 U	--	1100 U
3,3'-Dichlorobenzidine	SW8270C		1100 UJ	420 UJ	--	1100 UJ	--	1100 UJ
3-methylphenol and 4-methylphenol (m&p-cresol)	SW8270C		1100 U	61 J	--	1100 U	--	190 J
3-Nitroaniline	SW8270C		5600 U	2200 U	--	5700 U	--	5700 U
4-Bromophenyl-phenyl ether	SW8270C		1100 U	420 U	--	1100 U	--	1100 U
4-Chloro-3-methylphenol	SW8270C		1100 U	420 U	--	1100 U	--	1100 U
4-Chloroaniline	SW8270C		89 J	140 J	--	95 J	--	120 J
4-Chlorophenyl phenyl ether	SW8270C		1100 U	420 U	--	1100 U	--	1100 U
4-Nitroaniline	SW8270C		5600 U	2200 U	--	5700 U	--	5700 U
4-Nitrophenol	SW8270C		5600 U	2200 U	--	5700 U	--	5700 U
Acenaphthene	SW8270C		110 J	90	--	130 J	--	100 J
Acenaphthylene	SW8270C		160 J	220	--	220 J	--	140 J
Acetophenone	SW8270C		1100 U	37 J	--	1100 U	--	1100 U
Anthracene	SW8270C		350	340	--	400	--	380
Atrazine	SW8270C		1100 UJ	420 UJ	--	1100 UJ	--	1100 UJ
Benzaldehyde	SW8270C		190 J	150 J	--	230 J	--	180 J
Benzo(a)anthracene	SW8270C		1100	940	--	1200	--	1100
Benzo(a)pyrene	SW8270C		1200	1300	--	1300	--	1400
Benzo(b)fluoranthene	SW8270C		1500	1400	--	1700	--	1300
Benzo(g,h,i)perylene	SW8270C		710	770	--	780	--	760
Benzo(k)fluoranthene	SW8270C		470	540	--	490	--	660
Biphenyl (1,1'-Biphenyl)	SW8270C		1100 U	54 J	--	1100 U	--	1100 U

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2120	Spring Surface Sediment 2121	Spring Surface Sediment 2122	Spring Surface Sediment 2123	Spring Surface Sediment 2124	Spring Surface Sediment 2125
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	1.31	1.44	1.45	1.45	1.45	1.45
		Location ID	NC041SG_20120423	NC043SG_20120430	NC042SG_20120423	NC042SG_20120423	NC042SG_20120423	NC044SG_20120423
		Sample ID	NC041SG-000015-20120423	NC043SG-000015-20120430	NC042SG-000003-20120423	NC042SG-000015-20120423	NC1042SG-000003-20120423	NC044SG-000011-20120423
		Sample Date	4/23/2012	4/30/2012	4/23/2012	4/23/2012	4/23/2012	4/23/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 3 cm	0 - 11 cm
		Water Column Depth	17.8	21	14.9	14.9	14.9	14
		Sample Type	N	N	N	N	FD	N
		Matrix	SE	SE	SE	SE	SE	SE
bis(2-Chloroethoxy)methane	SW8270C		1100 U	420 U	--	1100 U	--	1100 U
bis(2-Chloroethyl)ether	SW8270C		220 U	86 U	--	230 U	--	230 U
bis(2-Chloroisopropyl)ether	SW8270C		220 U	86 U	--	230 U	--	230 U
Bis(2-ethylhexyl)phthalate	SW8270C		6600	7300	--	7000	--	5600
Butylbenzyl phthalate	SW8270C		250 J	260 J	--	260 J	--	1100
Caprolactam	SW8270C		5600 UJ	2200 U	--	5700 UJ	--	5700 UJ
Carbazole	SW8270C		98 J	96	--	100 J	--	110 J
Chrysene	SW8270C		1100	1200	--	1300	--	1100
Dibenzo(a,h)anthracene	SW8270C		230	200	--	210 J	--	250
Dibenzofuran	SW8270C		110 J	75 J	--	110 J	--	1100 U
Diethyl phthalate	SW8270C		1100 U	420 U	--	1100 U	--	1100 U
Dimethyl phthalate	SW8270C		1100 U	420 U	--	1100 U	--	1100 U
Di-n-butyl phthalate	SW8270C		1100 U	120 J	--	150 J	--	160 J
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)	SW8270C		5600 U	2200 U	--	5700 U	--	5700 U
Di-n-octyl phthalate	SW8270C		1100 U	97 J	--	1100 U	--	1100 U
Fluoranthene	SW8270C		1700	1300	--	2100	--	1700
Fluorene	SW8270C		120 J	100	--	150 J	--	95 J
Hexachlorobenzene	SW8270C		220 U	86 U	--	230 U	--	230 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270C		220 U	86 U	--	230 U	--	230 U
Hexachlorocyclopentadiene	SW8270C		1100 U	420 U	--	1100 U	--	1100 U
Hexachloroethane	SW8270C		1100 U	420 U	--	1100 U	--	1100 U
Indeno(1,2,3-c,d)pyrene	SW8270C		780	680	--	760	--	830
Isophorone	SW8270C		1100 U	420 U	--	1100 U	--	1100 U
Naphthalene	SW8270C		230	250	--	230	--	170 J
Nitrobenzene	SW8270C		2200 U	850 U	--	2300 U	--	2200 U
N-Nitrosodi-N-propylamine	SW8270C		220 U	86 U	--	230 U	--	230 U
N-Nitrosodiphenylamine	SW8270C		1100 U	420 U	--	1100 U	--	1100 U
Pentachlorophenol	SW8270C		1100 U	420 U	--	1100 U	--	1100 U
Phenanthrene	SW8270C		730	680	--	870	--	930
Phenol	SW8270C		220 U	86 U	--	230 U	--	360
Pyrene	SW8270C		2300	2300	--	2600	--	2400

Table A4-2
Surface Sediment Analytical Results

Task	Tributary	River Mile	Location ID	Sample ID	Sample Date	Sample Depth	Water Column Depth	Sample Type	Matrix	Spring Surface Sediment 2120	Spring Surface Sediment 2121	Spring Surface Sediment 2122	Spring Surface Sediment 2123	Spring Surface Sediment 2124	Spring Surface Sediment 2125
										Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
										1.31	1.44	1.45	1.45	1.45	1.45
										NC041SG_20120423	NC043SG_20120430	NC042SG_20120423	NC042SG_20120423	NC042SG_20120423	NC044SG_20120423
										NC041SG-000015-20120423	NC043SG-000015-20120430	NC042SG-000003-20120423	NC042SG-000015-20120423	NC1042SG-000003-20120423	NC044SG-000011-20120423
										4/23/2012	4/30/2012	4/23/2012	4/23/2012	4/23/2012	4/23/2012
										0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 3 cm	0 - 11 cm
										17.8	21	14.9	14.9	14.9	14
										N	N	N	N	FD	N
										SE	SE	SE	SE	SE	SE
Total cresol (o,m,p) (U = 0)	--	--	--	--	--	--	--	--	--	1100 U	61 J	--	1100 U	--	190 J
Total cresol (o,m,p) (U = 1/2)	--	--	--	--	--	--	--	--	--	1100 U	271 J	--	1100 U	--	740 J
Polycyclic Aromatic Hydrocarbons (µg/kg)															
1,6,7-Trimethylnaphthalene	SW8270CMSIM									52	43.3	--	39.5	--	36.4
1-Methyldibenzothiophene	SW8270CMSIM									27.5	21.9	--	23.3	--	21.1 J
1-Methylnaphthalene	SW8270CMSIM									89.2	109	--	94.7	--	89
1-Methylphenanthrene	SW8270CMSIM									160	176	--	169	--	162
2,6-Dimethylnaphthalene	SW8270CMSIM									191	224	--	162	--	200
2-Methylantracene	SW8270CMSIM									138	159	--	138	--	135
2-Methyldibenzothiophene and 3-methyldibenzothiophene	SW8270CMSIM									41	73.9	--	28.7	--	25.7 J
2-Methylnaphthalene	SW8270CMSIM									248	308	--	220	--	230
2-Methylphenanthrene	SW8270CMSIM									164	217	--	188	--	196
4-Methyldibenzothiophene	SW8270CMSIM									87.9	79.1	--	70.2	--	57.8
4-Methylphenanthrene and 9-methylphenanthrene	SW8270CMSIM									205	224	--	188	--	182
Acenaphthene	SW8270CMSIM									115	112	--	136	--	132
Acenaphthylene	SW8270CMSIM									263	216	--	263	--	235
Anthracene	SW8270CMSIM									566	511	--	549	--	540
Benzo(a)anthracene	SW8270CMSIM									1310	1260	--	1400	--	1480
Benzo(a)pyrene	SW8270CMSIM									1400	1860	--	1520	--	1760
Benzo(b)fluoranthene	SW8270CMSIM									1440	2200	--	1620	--	1920
Benzo(e)pyrene	SW8270CMSIM									1160	1680	--	1330	--	1570
Benzo(g,h,i)perylene	SW8270CMSIM									941	1310	--	1060	--	1290
Benzo(j,k)fluoranthene	SW8270CMSIM									1190	1430	--	1320	--	1620
Benzonaphthothiophene	SW8270CMSIM									431	713	--	527	--	502
Benzothiophene	SW8270CMSIM									18.8 J	19.2	--	12.7 J	--	17 J
Carbazole	SW8270CMSIM									81.4	118	--	103	--	127
Chrysene	SW8270CMSIM									1400	1620	--	1720	--	1970
Decalin, cis and trans-	SW8270CMSIM									36.1	24	--	25.4	--	33.4
Dibenzo(a,h)anthracene and dibenzo(a,c)anthracene	SW8270CMSIM									281	446	--	326	--	382
Dibenzothiophene	SW8270CMSIM									103	109	--	116	--	103

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2120	Spring Surface Sediment 2121	Spring Surface Sediment 2122	Spring Surface Sediment 2123	Spring Surface Sediment 2124	Spring Surface Sediment 2125
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.31	1.44	1.45	1.45	1.45	1.45
Location ID		NC041SG_20120423	NC043SG_20120430	NC042SG_20120423	NC042SG_20120423	NC042SG_20120423	NC044SG_20120423
Sample ID		NC041SG-000015-20120423	NC043SG-000015-20120430	NC042SG-000003-20120423	NC042SG-000015-20120423	NC1042SG-000003-20120423	NC044SG-000011-20120423
Sample Date		4/23/2012	4/30/2012	4/23/2012	4/23/2012	4/23/2012	4/23/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 3 cm	0 - 11 cm
Water Column Depth		17.8	21	14.9	14.9	14.9	14
Sample Type		N	N	N	N	FD	N
Matrix		SE	SE	SE	SE	SE	SE
Fluoranthene	SW8270CMSIM	2470	2450	--	3110	--	2800
Fluorene	SW8270CMSIM	134	151	--	145	--	132
Indeno(1,2,3-c,d)pyrene	SW8270CMSIM	972	1240	--	1090	--	1350
Naphthalene	SW8270CMSIM	399	404	--	319	--	330
Perylene	SW8270CMSIM	490	658	--	512	--	541
Phenanthrene	SW8270CMSIM	768	1010	--	1030	--	1130
Pyrene	SW8270CMSIM	2750	4270	--	3360	--	3290
Retene	SW8270CMSIM	20.5 U	18.1 U	--	21.8 U	--	34.5 U
Total benzofluoranthenes (U = 0)	--	2630	3630	--	2940	--	3540
Total benzofluoranthenes (U = 1/2)	--	2630	3630	--	2940	--	3540
Total cPAH TEQ (USEPA 1993) (U = 0)	--	2066.5	2791.92	--	2271.92	--	2635.17
Total cPAH TEQ (USEPA 1993) (U = 1/2)	--	2066.5	2791.92	--	2271.92	--	2635.17
Total HPAH (9 of 16) (U = 0)	--	14154	18086	--	16526	--	17862
Total HPAH (9 of 16) (U = 1/2)	--	14154	18086	--	16526	--	17862
Total LPAH (7 of 16) (U = 0)	--	2493	2712	--	2662	--	2729
Total LPAH (7 of 16) (U = 1/2)	--	2493	2712	--	2662	--	2729
Total PAH (16) (U = 0)	--	16647	20798	--	19188	--	20591
Total PAH (16) (U = 1/2)	--	16647	20798	--	19188	--	20591
Alkylated Polycyclic Aromatic Hydrocarbons (µg/kg)							
C1-Benzo(a)anthracenes/chrysenes	SW8270CMSIM	1320	1740	--	1440	--	1510
C1-Benzo(b)thiophenes	SW8270CMSIM	34	38.6	--	37.1	--	31.2 J
C1-Decalins	SW8270CMSIM	186	178	--	152	--	120
C1-Dibenzothiophenes	SW8270CMSIM	177	200	--	154	--	125
C1-Fluoranthenes/Pyrenes	SW8270CMSIM	2120	3390	--	2350	--	2160
C1-Fluorenes	SW8270CMSIM	153	136	--	128	--	111
C1-Naphthalenes	SW8270CMSIM	211	245	--	195	--	203
C1-Phenanthrenes/Anthracenes	SW8270CMSIM	843	954	--	836	--	833
C2-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	1230	1630	--	1320	--	1450
C2-Benzo(b)thiophenes	SW8270CMSIM	36.7	33.5	--	34.1	--	32.3 J
C2-Decalins	SW8270CMSIM	622	726	--	600	--	409
C2-Dibenzothiophenes	SW8270CMSIM	545	440	--	462	--	372
C2-Fluorenes	SW8270CMSIM	490	354	--	397	--	334
C2-Naphthalenes	SW8270CMSIM	284	280	--	246	--	282

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2120	Spring Surface Sediment 2121	Spring Surface Sediment 2122	Spring Surface Sediment 2123	Spring Surface Sediment 2124	Spring Surface Sediment 2125
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	1.31	1.44	1.45	1.45	1.45	1.45
		Location ID	NC041SG_20120423	NC043SG_20120430	NC042SG_20120423	NC042SG_20120423	NC042SG_20120423	NC044SG_20120423
		Sample ID	NC041SG-000015-20120423	NC043SG-000015-20120430	NC042SG-000003-20120423	NC042SG-000015-20120423	NC1042SG-000003-20120423	NC044SG-000011-20120423
		Sample Date	4/23/2012	4/30/2012	4/23/2012	4/23/2012	4/23/2012	4/23/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 3 cm	0 - 11 cm
		Water Column Depth	17.8	21	14.9	14.9	14.9	14
		Sample Type	N	N	N	N	FD	N
		Matrix	SE	SE	SE	SE	SE	SE
C2-Phenanthrenes/Anthracenes	SW8270CMSIM		1360	1220	--	1130	--	991
C3-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM		1110	1420	--	1160	--	1370
C3-Benzo(b)thiophenes	SW8270CMSIM		97.7	79.1	--	90.7	--	89.7
C3-Decalins	SW8270CMSIM		653	724	--	664	--	488
C3-Dibenzothiophenes	SW8270CMSIM		711	895	--	671	--	594
C3-Fluorenes	SW8270CMSIM		882	815	--	874	--	706
C3-Naphthalenes	SW8270CMSIM		410	267	--	294	--	278
C3-Phenanthrenes/Anthracenes	SW8270CMSIM		1240	1310	--	1140	--	1100
C4-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM		584	736	--	612	--	807
C4-Benzo(b)thiophenes	SW8270CMSIM		114	98.5	--	104	--	115
C4-Decalins	SW8270CMSIM		1180	1420	--	1190	--	1020
C4-Dibenzothiophenes	SW8270CMSIM		440	762	--	488	--	441
C4-Naphthalenes	SW8270CMSIM		585	351	--	446	--	415
C4-Phenanthrenes/Anthracenes	SW8270CMSIM		772	1240	--	779	--	775
n-Alkanes and Isoprenoids (µg/kg)								
2,6,10-Trimethyldodecane	SW8015M		527 J	553 J	--	343 J	--	2300 U
2,6,10-Trimethyltridecane	SW8015M		932 J	1440 J	--	589 J	--	612 J
n-Decane (C10)	SW8015M		1370 U	1210 U	--	1450 U	--	2300 U
n-Docosane (C22)	SW8015M		439 J	502 J	--	323 J	--	402 J
n-Dodecane (C12)	SW8015M		1370 U	1210 U	--	1450 U	--	2300 U
n-Dotriacontane (C32)	SW8015M		4270	5840	--	4440	--	4990
n-Eicosane (C20)	SW8015M		843 J	423 J	--	509 J	--	614 J
n-Heneicosane (C21)	SW8015M		537 J	809 J	--	569 J	--	550 J
n-Hentriacontane (C31)	SW8015M		2370	2150	--	1890	--	2660
n-Heptacosane (C27)	SW8015M		2120	945 J	--	1940	--	1770 J
n-Heptadecane (C17)	SW8015M		782 J	820 J	--	669 J	--	766 J
n-Heptatriacontane (C37)	SW8015M		786 J	852 J	--	756 J	--	766 J
n-Hexacosane (C26)	SW8015M		1040 J	902 J	--	1040 J	--	924 J
n-Hexadecane (C16)	SW8015M		448 J	451 J	--	396 J	--	430 J
n-Hexatriacontane (C36)	SW8015M		592 J	893 J	--	582 J	--	593 J
n-Nonacosane (C29)	SW8015M		3350	4210	--	2310	--	2720
n-Nonadecane (C19)	SW8015M		451 J	391 J	--	1450 U	--	2300 U
n-Nonane (C9)	SW8015M		1370 U	1210 U	--	1450 U	--	2300 U

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2120	Spring Surface Sediment 2121	Spring Surface Sediment 2122	Spring Surface Sediment 2123	Spring Surface Sediment 2124	Spring Surface Sediment 2125
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	1.31	1.44	1.45	1.45	1.45	1.45
		Location ID	NC041SG_20120423	NC043SG_20120430	NC042SG_20120423	NC042SG_20120423	NC042SG_20120423	NC044SG_20120423
		Sample ID	NC041SG-000015-20120423	NC043SG-000015-20120430	NC042SG-000003-20120423	NC042SG-000015-20120423	NC1042SG-000003-20120423	NC044SG-000011-20120423
		Sample Date	4/23/2012	4/30/2012	4/23/2012	4/23/2012	4/23/2012	4/23/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 3 cm	0 - 11 cm
		Water Column Depth	17.8	21	14.9	14.9	14.9	14
		Sample Type	N	N	N	N	FD	N
		Matrix	SE	SE	SE	SE	SE	SE
n-Nonatriacontane (C39)	SW8015M		764 J	1020 J	--	701 J	--	793 J
n-Octacosane (C28)	SW8015M		1500	1220	--	1320 J	--	1270 J
n-Octadecane (C18)	SW8015M		1150 J	1280 J	--	1420 J	--	1540 J
n-Octatriacontane (C38)	SW8015M		667 J	737 J	--	633 J	--	605 J
Norpristane	SW8015M		880 J	932 J	--	544 J	--	2300 U
n-Pentacosane (C25)	SW8015M		1250 J	4140 J	--	972 J	--	2300 UJ
n-Pentadecane (C15)	SW8015M		809 J	614 J	--	663 J	--	747 J
n-Pentatriacontane (C35)	SW8015M		1120 J	1310	--	1160 J	--	1370 J
n-Tetracontane (C40)	SW8015M		652 J	763 J	--	730 J	--	805 J
n-Tetracosane (C24)	SW8015M		454 J	1210 U	--	349 J	--	442 J
n-Tetradecane (C14)	SW8015M		486 J	598 J	--	470 J	--	414 J
n-Tetratriacontane (C34)	SW8015M		1970	2310	--	1800	--	2490
n-Triacontane (C30)	SW8015M		1400	1650	--	1150 J	--	1360 J
n-Tricosane (C23)	SW8015M		388 J	739 J	--	358 J	--	416 J
n-Tridecane (C13)	SW8015M		1370 U	1210 U	--	1450 U	--	2300 U
n-Tritriacontane (C33)	SW8015M		2300	4900	--	2680	--	3310
n-Undecane (C11)	SW8015M		1370 U	1210 U	--	1450 U	--	2300 U
Pesticides (µg/kg)								
2,4'-DDD (o,p'-DDD)	SW8081A		1.6 J	0.27 U	--	1.8 J	--	2.3 J
2,4'-DDE (o,p'-DDE)	SW8081A		1.4 J	0.48 J	--	2.9 J	--	1.8 J
2,4'-DDT (o,p'-DDT)	SW8081A		0.1 J	0.27 U	--	0.28 UJ	--	0.9 J
4,4'-DDD (p,p'-DDD)	SW8081A		5.4 J	11	--	5.8 J	--	5.3 J
4,4'-DDE (p,p'-DDE)	SW8081A		3.8 J	7.7 J	--	4.8 J	--	8.8 J
4,4'-DDT (p,p'-DDT)	SW8081A		2.1 J	3.7	--	4.6 J	--	9.6 J
Aldrin	SW8081A		0.5 J	0.27 U	--	0.28 UJ	--	0.26 UJ
alpha-Hexachlorocyclohexane (BHC)	SW8081A		0.27 UJ	0.069 J	--	0.28 UJ	--	0.26 UJ
Chlordane, alpha- (cis-Chlordane)	SW8081A		3.7 J	8.4	--	4.4 J	--	4.9 J
Chlordane, beta- (trans-Chlordane)	SW8081A		0.27 UJ	0.27 U	--	0.28 UJ	--	0.26 UJ
delta-Hexachlorocyclohexane (BHC)	SW8081A		0.27 UJ	0.27 U	--	0.28 UJ	--	0.16 J
Dieldrin	SW8081A		1.2 J	0.27 U	--	1.4 J	--	0.64 J
Endosulfan sulfate	SW8081A		0.64 J	0.41 J	--	0.74 J	--	0.36 J
Endosulfan-alpha (I)	SW8081A		0.27 UJ	0.27 U	--	0.28 UJ	--	0.26 UJ
Endosulfan-beta (II)	SW8081A		0.37 J	0.099 J	--	0.55 J	--	0.26 UJ

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2120	Spring Surface Sediment 2121	Spring Surface Sediment 2122	Spring Surface Sediment 2123	Spring Surface Sediment 2124	Spring Surface Sediment 2125
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	1.31	1.44	1.45	1.45	1.45	1.45
		Location ID	NC041SG_20120423	NC043SG_20120430	NC042SG_20120423	NC042SG_20120423	NC042SG_20120423	NC044SG_20120423
		Sample ID	NC041SG-000015-20120423	NC043SG-000015-20120430	NC042SG-000003-20120423	NC042SG-000015-20120423	NC1042SG-000003-20120423	NC044SG-000011-20120423
		Sample Date	4/23/2012	4/30/2012	4/23/2012	4/23/2012	4/23/2012	4/23/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 3 cm	0 - 11 cm
		Water Column Depth	17.8	21	14.9	14.9	14.9	14
		Sample Type	N	N	N	N	FD	N
		Matrix	SE	SE	SE	SE	SE	SE
Endrin	SW8081A		0.53 J	1.8	--	0.36 J	--	0.61 J
Endrin aldehyde	SW8081A		0.13 J	0.27 UJ	--	0.092 J	--	0.14 J
Endrin ketone	SW8081A		0.59 J	0.71 J	--	0.41 J	--	1.3 J
Heptachlor	SW8081A		0.27 UJ	0.27 U	--	0.28 UJ	--	0.26 UJ
Heptachlor epoxide	SW8081A		0.29 J	0.45 J	--	0.34 J	--	0.26 UJ
Hexachlorobenzene	SW8081A		0.19 J	0.71	--	0.29 J	--	0.45 J
Hexachlorocyclohexane, beta- (BHC)	SW8081A		0.27 UJ	0.27 U	--	0.28 UJ	--	0.26 UJ
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	SW8081A		0.27 UJ	0.27 U	--	0.28 UJ	--	0.26 UJ
Methoxychlor	SW8081A		0.55 UJ	0.53 U	--	0.67 J	--	0.53 UJ
Mirex	SW8081A		0.26 J	0.27 U	--	0.28 UJ	--	0.089 J
Nonachlor, cis-	SW8081A		1 J	1.3 J	--	1.4 J	--	1.1 J
Nonachlor, trans-	SW8081A		0.27 UJ	0.65 J	--	0.28 UJ	--	0.26 UJ
Oxychlordane	SW8081A		0.43 J	0.27 U	--	0.39 J	--	0.26 UJ
Sum DDD (U = 0)	--		7 J	11	--	7.6 J	--	7.6 J
Sum DDD (U = 1/2)	--		7 J	11.13	--	7.6 J	--	7.6 J
Sum DDE (U = 0)	--		5.2 J	8.18 J	--	7.7 J	--	10.6 J
Sum DDE (U = 1/2)	--		5.2 J	8.18 J	--	7.7 J	--	10.6 J
Sum DDT (U = 0)	--		2.2 J	3.7	--	4.6 J	--	10.5 J
Sum DDT (U = 1/2)	--		2.2 J	3.84	--	4.74 J	--	10.5 J
Total chlordane (U = 0)	--		5.13 J	10.35 J	--	6.19 J	--	6 J
Total chlordane (U = 1/2)	--		5.4 J	10.62 J	--	6.47 J	--	6.39 J
Total DDx (U = 0)	--		14.4 J	22.88 J	--	19.9 J	--	28.7 J
Total DDx (U = 1/2)	--		14.4 J	23.15 J	--	20.04 J	--	28.7 J
Toxaphene	SW8081A		11 UJ	11 U	--	11 UJ	--	11 UJ
Pesticides - High Resolution (µg/kg)								
2,4'-DDD (o,p'-DDD)	E1699		--	--	--	--	--	8.2
2,4'-DDE (o,p'-DDE)	E1699		--	--	--	--	--	1.6
2,4'-DDT (o,p'-DDT)	E1699		--	--	--	--	--	1.7
4,4'-DDD (p,p'-DDD)	E1699		--	--	--	--	--	27
4,4'-DDE (p,p'-DDE)	E1699		--	--	--	--	--	26
4,4'-DDT (p,p'-DDT)	E1699		--	--	--	--	--	21
Aldrin	E1699		--	--	--	--	--	0.022 U

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2120	Spring Surface Sediment 2121	Spring Surface Sediment 2122	Spring Surface Sediment 2123	Spring Surface Sediment 2124	Spring Surface Sediment 2125
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	1.31	1.44	1.45	1.45	1.45	1.45
		Location ID	NC041SG_20120423	NC043SG_20120430	NC042SG_20120423	NC042SG_20120423	NC042SG_20120423	NC044SG_20120423
		Sample ID	NC041SG-000015-20120423	NC043SG-000015-20120430	NC042SG-000003-20120423	NC042SG-000015-20120423	NC1042SG-000003-20120423	NC044SG-000011-20120423
		Sample Date	4/23/2012	4/30/2012	4/23/2012	4/23/2012	4/23/2012	4/23/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 3 cm	0 - 11 cm
		Water Column Depth	17.8	21	14.9	14.9	14.9	14
		Sample Type	N	N	N	N	FD	N
		Matrix	SE	SE	SE	SE	SE	SE
alpha-Hexachlorocyclohexane (BHC)	E1699	--	--	--	--	--	--	0.079 J
Chlordane, alpha- (cis-Chlordane)	E1699	--	--	--	--	--	--	17
Chlordane, beta- (trans-Chlordane)	E1699	--	--	--	--	--	--	20
delta-Hexachlorocyclohexane (BHC)	E1699	--	--	--	--	--	--	0.047 U
Dieldrin	E1699	--	--	--	--	--	--	5.6
Endosulfan sulfate	E1699	--	--	--	--	--	--	0.087 J
Endosulfan-alpha (I)	E1699	--	--	--	--	--	--	0.11 U
Endosulfan-beta (II)	E1699	--	--	--	--	--	--	0.81 J
Endrin	E1699	--	--	--	--	--	--	0.064 U
Endrin aldehyde	E1699	--	--	--	--	--	--	0.052 U
Endrin ketone	E1699	--	--	--	--	--	--	0.05 U
Heptachlor	E1699	--	--	--	--	--	--	0.087 J
Heptachlor epoxide	E1699	--	--	--	--	--	--	0.32 J
Hexachlorobenzene	E1699	--	--	--	--	--	--	3.1
Hexachlorocyclohexane, beta- (BHC)	E1699	--	--	--	--	--	--	0.087 J
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	E1699	--	--	--	--	--	--	0.11 J
Methoxychlor	E1699	--	--	--	--	--	--	0.079 U
Mirex	E1699	--	--	--	--	--	--	0.53
Nonachlor, cis-	E1699	--	--	--	--	--	--	4.8
Nonachlor, trans-	E1699	--	--	--	--	--	--	12
Oxychlordane	E1699	--	--	--	--	--	--	0.25 J
Sum DDD high resolution (U = 0)	--	--	--	--	--	--	--	35.2
Sum DDD high resolution (U = 1/2)	--	--	--	--	--	--	--	35.2
Sum DDE high resolution (U = 0)	--	--	--	--	--	--	--	27.6
Sum DDE high resolution (U = 1/2)	--	--	--	--	--	--	--	27.6
Sum DDT high resolution (U = 0)	--	--	--	--	--	--	--	22.7
Sum DDT high resolution (U = 1/2)	--	--	--	--	--	--	--	22.7
Total chlordane high resolution (U = 0)	--	--	--	--	--	--	--	54.05 J
Total chlordane high resolution (U = 1/2)	--	--	--	--	--	--	--	54.05 J
Total DDx high resolution (U = 0)	--	--	--	--	--	--	--	85.5
Total DDx high resolution (U = 1/2)	--	--	--	--	--	--	--	85.5
Toxaphene	E1699	--	--	--	--	--	--	10 U

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2120	Spring Surface Sediment 2121	Spring Surface Sediment 2122	Spring Surface Sediment 2123	Spring Surface Sediment 2124	Spring Surface Sediment 2125
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.31	1.44	1.45	1.45	1.45	1.45
Location ID		NC041SG_20120423	NC043SG_20120430	NC042SG_20120423	NC042SG_20120423	NC042SG_20120423	NC044SG_20120423
Sample ID		NC041SG-000015-20120423	NC043SG-000015-20120430	NC042SG-000003-20120423	NC042SG-000015-20120423	NC1042SG-000003-20120423	NC044SG-000011-20120423
Sample Date		4/23/2012	4/30/2012	4/23/2012	4/23/2012	4/23/2012	4/23/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 3 cm	0 - 11 cm
Water Column Depth		17.8	21	14.9	14.9	14.9	14
Sample Type		N	N	N	N	FD	N
Matrix		SE	SE	SE	SE	SE	SE
Herbicides (µg/kg)							
2,2-Dichloropropionic acid (dalapon)	SW8151A	290 UJ	290 UJ	--	310 UJ	--	300 UJ
2,4,5-T (2,4,5-trichlorophenoxyacetic acid)	SW8151A	66 U	64 U	--	68 U	--	67 U
2,4,5-TP (Silvex)	SW8151A	66 U	64 U	--	68 U	--	67 U
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	260 U	260 U	--	270 U	--	270 U
2,4-DB (2,4-D derivative)	SW8151A	260 U	260 U	--	270 U	--	270 U
Dicamba	SW8151A	130 U	130 U	--	140 U	--	130 U
Dichlorprop	SW8151A	260 U	260 U	--	270 U	--	270 U
Dinoseb	SW8151A	39 UJ	39 UJ	--	41 UJ	--	40 UJ
Mecoprop (MCP)	SW8151A	26000 U	26000 U	--	27000 U	--	27000 U
Mephanac (MCPA)	SW8151A	26000 U	26000 U	--	27000 U	--	27000 U
Dioxin Furans (ng/kg)							
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	--	--	--	--	--	7.78
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	--	--	--	--	--	13.6
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	--	--	--	--	16.6
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	--	--	--	--	44.2
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	--	--	--	--	33.1
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B	--	--	--	--	--	559
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B	--	--	--	--	--	5170
Total tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	--	--	--	--	--	149 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	--	--	--	--	--	177 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	--	--	--	--	451

**Table A4-2
Surface Sediment Analytical Results**

		Task	Spring Surface Sediment 2120	Spring Surface Sediment 2121	Spring Surface Sediment 2122	Spring Surface Sediment 2123	Spring Surface Sediment 2124	Spring Surface Sediment 2125
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	1.31	1.44	1.45	1.45	1.45	1.45
		Location ID	NC041SG_20120423	NC043SG_20120430	NC042SG_20120423	NC042SG_20120423	NC042SG_20120423	NC044SG_20120423
		Sample ID	NC041SG-000015-20120423	NC043SG-000015-20120430	NC042SG-000003-20120423	NC042SG-000015-20120423	NC1042SG-000003-20120423	NC044SG-000011-20120423
		Sample Date	4/23/2012	4/30/2012	4/23/2012	4/23/2012	4/23/2012	4/23/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 3 cm	0 - 11 cm
		Water Column Depth	17.8	21	14.9	14.9	14.9	14
		Sample Type	N	N	N	N	FD	N
		Matrix	SE	SE	SE	SE	SE	SE
Total heptachlorodibenzo-p-dioxin (HpCDD)	E1613B	--	--	--	--	--	--	1280
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B	--	--	--	--	--	--	36.3
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B	--	--	--	--	--	--	159
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B	--	--	--	--	--	--	72.7
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B	--	--	--	--	--	--	523
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B	--	--	--	--	--	--	294
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B	--	--	--	--	--	--	0.721 U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B	--	--	--	--	--	--	83.6
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B	--	--	--	--	--	--	3040
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B	--	--	--	--	--	--	57
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B	--	--	--	--	--	--	2760
Total tetrachlorodibenzofuran (TCDF)	E1613B	--	--	--	--	--	--	1090
Total pentachlorodibenzofuran (PeCDF)	E1613B	--	--	--	--	--	--	1860
Total hexachlorodibenzofuran (HxCDF)	E1613B	--	--	--	--	--	--	2710 J
Total heptachlorodibenzofuran (HpCDF)	E1613B	--	--	--	--	--	--	3440
Total dioxin/furan TEQ 1998 (avian) (U = 0)	--	--	--	--	--	--	--	273.244
Total dioxin/furan TEQ 1998 (avian) (U = 1/2)	--	--	--	--	--	--	--	273.28
Total dioxin/furan TEQ 1998 (fish) (U = 0)	--	--	--	--	--	--	--	198.95
Total dioxin/furan TEQ 1998 (fish) (U = 1/2)	--	--	--	--	--	--	--	198.986

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2120	Spring Surface Sediment 2121	Spring Surface Sediment 2122	Spring Surface Sediment 2123	Spring Surface Sediment 2124	Spring Surface Sediment 2125
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	1.31	1.44	1.45	1.45	1.45	1.45
		Location ID	NC041SG_20120423	NC043SG_20120430	NC042SG_20120423	NC042SG_20120423	NC042SG_20120423	NC044SG_20120423
		Sample ID	NC041SG-000015-20120423	NC043SG-000015-20120430	NC042SG-000003-20120423	NC042SG-000015-20120423	NC1042SG-000003-20120423	NC044SG-000011-20120423
		Sample Date	4/23/2012	4/30/2012	4/23/2012	4/23/2012	4/23/2012	4/23/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 3 cm	0 - 11 cm
		Water Column Depth	17.8	21	14.9	14.9	14.9	14
		Sample Type	N	N	N	N	FD	N
		Matrix	SE	SE	SE	SE	SE	SE
Total dioxin/furan TEQ 2005 (mammal) (U = 0)	--	--	--	--	--	--	--	189.979
Total dioxin/furan TEQ 2005 (mammal) (U = 1/2)	--	--	--	--	--	--	--	190.015
PCB Aroclors (µg/kg)								
Aroclor 1016	SW8082A	6.8 U	6.7 U	--	7.1 U	--	7 U	
Aroclor 1221	SW8082A	6.8 U	6.7 U	--	7.1 U	--	7 U	
Aroclor 1232	SW8082A	6.8 U	6.7 U	--	7.1 U	--	7 U	
Aroclor 1242	SW8082A	400 J	93	--	390 J	--	470 J	
Aroclor 1248	SW8082A	6.8 U	6.7 U	--	7.1 U	--	7 U	
Aroclor 1254	SW8082A	490 J	200	--	390 J	--	580 J	
Aroclor 1260	SW8082A	6.8 U	6.7 U	--	7.1 U	--	7 U	
Aroclor 1262	SW8082A	6.8 U	6.7 U	--	7.1 U	--	7 U	
Aroclor 1268	SW8082A	6.8 U	6.7 U	--	7.1 U	--	7 U	
Total PCB Aroclors (U = 0)	--	890 J	293	--	780 J	--	1050 J	
Total PCB Aroclors (U = 1/2)	--	913.8 J	316.5	--	804.8 J	--	1074.5 J	
PCB Congeners (ng/kg)								
PCB-001	E1668B	--	--	--	--	--	3660 J	
PCB-002	E1668B	--	--	--	--	--	861	
PCB-003	E1668B	--	--	--	--	--	3880 J	
PCB-004	E1668B	--	--	--	--	--	5940	
PCB-005	E1668B	--	--	--	--	--	153	
PCB-006	E1668B	--	--	--	--	--	3040	
PCB-007	E1668B	--	--	--	--	--	416	
PCB-008	E1668B	--	--	--	--	--	9830 J	
PCB-009	E1668B	--	--	--	--	--	621	
PCB-010	E1668B	--	--	--	--	--	507	
PCB-011	E1668B	--	--	--	--	--	2760	
PCB-012/013	E1668B	--	--	--	--	--	4000	
PCB-014	E1668B	--	--	--	--	--	31.6 U	
PCB-015	E1668B	--	--	--	--	--	23100 J	
PCB-016	E1668B	--	--	--	--	--	4780	
PCB-017	E1668B	--	--	--	--	--	7980 J	

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2120	Spring Surface Sediment 2121	Spring Surface Sediment 2122	Spring Surface Sediment 2123	Spring Surface Sediment 2124	Spring Surface Sediment 2125
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	1.31	1.44	1.45	1.45	1.45	1.45
		Location ID	NC041SG_20120423	NC043SG_20120430	NC042SG_20120423	NC042SG_20120423	NC042SG_20120423	NC044SG_20120423
		Sample ID	NC041SG-000015-20120423	NC043SG-000015-20120430	NC042SG-000003-20120423	NC042SG-000015-20120423	NC1042SG-000003-20120423	NC044SG-000011-20120423
		Sample Date	4/23/2012	4/30/2012	4/23/2012	4/23/2012	4/23/2012	4/23/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 3 cm	0 - 11 cm
		Water Column Depth	17.8	21	14.9	14.9	14.9	14
		Sample Type	N	N	N	N	FD	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-018/030	E1668B	--	--	--	--	--	--	11400
PCB-019	E1668B	--	--	--	--	--	--	1780
PCB-020/028	E1668B	--	--	--	--	--	--	50500 J
PCB-021/033	E1668B	--	--	--	--	--	--	9780
PCB-022	E1668B	--	--	--	--	--	--	11100 J
PCB-023	E1668B	--	--	--	--	--	--	19.6 J
PCB-024	E1668B	--	--	--	--	--	--	6.94 U
PCB-025	E1668B	--	--	--	--	--	--	5490
PCB-026/029	E1668B	--	--	--	--	--	--	8960
PCB-027	E1668B	--	--	--	--	--	--	2050
PCB-031	E1668B	--	--	--	--	--	--	36800 J
PCB-032	E1668B	--	--	--	--	--	--	6230
PCB-034	E1668B	--	--	--	--	--	--	234
PCB-035	E1668B	--	--	--	--	--	--	1220
PCB-036	E1668B	--	--	--	--	--	--	100 U
PCB-037	E1668B	--	--	--	--	--	--	15800 J
PCB-038	E1668B	--	--	--	--	--	--	109 U
PCB-039	E1668B	--	--	--	--	--	--	98.8 U
PCB-040/071	E1668B	--	--	--	--	--	--	13800 J
PCB-041	E1668B	--	--	--	--	--	--	1800
PCB-042	E1668B	--	--	--	--	--	--	8430 J
PCB-043	E1668B	--	--	--	--	--	--	1160
PCB-044/047/065	E1668B	--	--	--	--	--	--	29700 J
PCB-045	E1668B	--	--	--	--	--	--	--
PCB-045/051	E1668B	--	--	--	--	--	--	4610
PCB-046	E1668B	--	--	--	--	--	--	1350
PCB-048	E1668B	--	--	--	--	--	--	5090
PCB-049/069	E1668B	--	--	--	--	--	--	20800 J
PCB-050/053	E1668B	--	--	--	--	--	--	3560
PCB-051	E1668B	--	--	--	--	--	--	--
PCB-052	E1668B	--	--	--	--	--	--	33900 J
PCB-054	E1668B	--	--	--	--	--	--	113
PCB-055	E1668B	--	--	--	--	--	--	35.9 U

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2120	Spring Surface Sediment 2121	Spring Surface Sediment 2122	Spring Surface Sediment 2123	Spring Surface Sediment 2124	Spring Surface Sediment 2125
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	1.31	1.44	1.45	1.45	1.45	1.45
		Location ID	NC041SG_20120423	NC043SG_20120430	NC042SG_20120423	NC042SG_20120423	NC042SG_20120423	NC044SG_20120423
		Sample ID	NC041SG-000015-20120423	NC043SG-000015-20120430	NC042SG-000003-20120423	NC042SG-000015-20120423	NC1042SG-000003-20120423	NC044SG-000011-20120423
		Sample Date	4/23/2012	4/30/2012	4/23/2012	4/23/2012	4/23/2012	4/23/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 3 cm	0 - 11 cm
		Water Column Depth	17.8	21	14.9	14.9	14.9	14
		Sample Type	N	N	N	N	FD	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-056	E1668B	--	--	--	--	--	--	15000 J
PCB-057	E1668B	--	--	--	--	--	--	35.7 U
PCB-058	E1668B	--	--	--	--	--	--	134
PCB-059/062/075	E1668B	--	--	--	--	--	--	2670
PCB-060	E1668B	--	--	--	--	--	--	7410 J
PCB-061/070/074/076	E1668B	--	--	--	--	--	--	52700 J
PCB-063	E1668B	--	--	--	--	--	--	1410
PCB-064	E1668B	--	--	--	--	--	--	11500 J
PCB-066	E1668B	--	--	--	--	--	--	36300 J
PCB-067	E1668B	--	--	--	--	--	--	1250
PCB-068	E1668B	--	--	--	--	--	--	297
PCB-072	E1668B	--	--	--	--	--	--	435
PCB-073	E1668B	--	--	--	--	--	--	33.8 U
PCB-077	E1668B	--	--	--	--	--	--	4250
PCB-078	E1668B	--	--	--	--	--	--	247
PCB-079	E1668B	--	--	--	--	--	--	279 J
PCB-080	E1668B	--	--	--	--	--	--	215
PCB-081	E1668B	--	--	--	--	--	--	138 J
PCB-082	E1668B	--	--	--	--	--	--	5200 J
PCB-083	E1668B	--	--	--	--	--	--	1960 J
PCB-084	E1668B	--	--	--	--	--	--	8940 J
PCB-085/116	E1668B	--	--	--	--	--	--	--
PCB-085/116/117	E1668B	--	--	--	--	--	--	7320 J
PCB-086/087/097/108/119/125	E1668B	--	--	--	--	--	--	26200 J
PCB-088	E1668B	--	--	--	--	--	--	--
PCB-088/091	E1668B	--	--	--	--	--	--	5790 J
PCB-089	E1668B	--	--	--	--	--	--	425 J
PCB-090/101/113	E1668B	--	--	--	--	--	--	39200 J
PCB-091	E1668B	--	--	--	--	--	--	--
PCB-092	E1668B	--	--	--	--	--	--	7040 J
PCB-093/100	E1668B	--	--	--	--	--	--	732 J
PCB-094	E1668B	--	--	--	--	--	--	250 J
PCB-095	E1668B	--	--	--	--	--	--	26100 J

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2120	Spring Surface Sediment 2121	Spring Surface Sediment 2122	Spring Surface Sediment 2123	Spring Surface Sediment 2124	Spring Surface Sediment 2125
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	1.31	1.44	1.45	1.45	1.45	1.45
		Location ID	NC041SG_20120423	NC043SG_20120430	NC042SG_20120423	NC042SG_20120423	NC042SG_20120423	NC044SG_20120423
		Sample ID	NC041SG-000015-20120423	NC043SG-000015-20120430	NC042SG-000003-20120423	NC042SG-000015-20120423	NC1042SG-000003-20120423	NC044SG-000011-20120423
		Sample Date	4/23/2012	4/30/2012	4/23/2012	4/23/2012	4/23/2012	4/23/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 3 cm	0 - 11 cm
		Water Column Depth	17.8	21	14.9	14.9	14.9	14
		Sample Type	N	N	N	N	FD	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-096	E1668B	--	--	--	--	--	--	287 J
PCB-098	E1668B	--	--	--	--	--	--	--
PCB-098/102	E1668B	--	--	--	--	--	--	1410 J
PCB-099	E1668B	--	--	--	--	--	--	20400 J
PCB-102	E1668B	--	--	--	--	--	--	--
PCB-103	E1668B	--	--	--	--	--	--	397 J
PCB-104	E1668B	--	--	--	--	--	--	26.7 J
PCB-105	E1668B	--	--	--	--	--	--	16300 J
PCB-106	E1668B	--	--	--	--	--	--	35.4 UJ
PCB-107/124	E1668B	--	--	--	--	--	--	1490 J
PCB-109	E1668B	--	--	--	--	--	--	2850 J
PCB-110	E1668B	--	--	--	--	--	--	--
PCB-110/115	E1668B	--	--	--	--	--	--	49200 J
PCB-111	E1668B	--	--	--	--	--	--	29.6 UJ
PCB-112	E1668B	--	--	--	--	--	--	31 UJ
PCB-114	E1668B	--	--	--	--	--	--	764
PCB-115	E1668B	--	--	--	--	--	--	--
PCB-117	E1668B	--	--	--	--	--	--	--
PCB-118	E1668B	--	--	--	--	--	--	37200 J
PCB-120	E1668B	--	--	--	--	--	--	119 J
PCB-121	E1668B	--	--	--	--	--	--	30.5 UJ
PCB-122	E1668B	--	--	--	--	--	--	441 J
PCB-123	E1668B	--	--	--	--	--	--	632
PCB-126	E1668B	--	--	--	--	--	--	618
PCB-127	E1668B	--	--	--	--	--	--	50.7 J
PCB-128/166	E1668B	--	--	--	--	--	--	9030
PCB-129/138/163	E1668B	--	--	--	--	--	--	58900 J
PCB-130	E1668B	--	--	--	--	--	--	3450
PCB-131	E1668B	--	--	--	--	--	--	744
PCB-132	E1668B	--	--	--	--	--	--	15800 J
PCB-133	E1668B	--	--	--	--	--	--	807
PCB-134	E1668B	--	--	--	--	--	--	3340
PCB-135/151	E1668B	--	--	--	--	--	--	14500 J

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2120	Spring Surface Sediment 2121	Spring Surface Sediment 2122	Spring Surface Sediment 2123	Spring Surface Sediment 2124	Spring Surface Sediment 2125
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	1.31	1.44	1.45	1.45	1.45	1.45
		Location ID	NC041SG_20120423	NC043SG_20120430	NC042SG_20120423	NC042SG_20120423	NC042SG_20120423	NC044SG_20120423
		Sample ID	NC041SG-000015-20120423	NC043SG-000015-20120430	NC042SG-000003-20120423	NC042SG-000015-20120423	NC1042SG-000003-20120423	NC044SG-000011-20120423
		Sample Date	4/23/2012	4/30/2012	4/23/2012	4/23/2012	4/23/2012	4/23/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 3 cm	0 - 11 cm
		Water Column Depth	17.8	21	14.9	14.9	14.9	14
		Sample Type	N	N	N	N	FD	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-136	E1668B	--	--	--	--	--	--	5280
PCB-137	E1668B	--	--	--	--	--	--	2420
PCB-139/140	E1668B	--	--	--	--	--	--	837
PCB-141	E1668B	--	--	--	--	--	--	9690 J
PCB-142	E1668B	--	--	--	--	--	--	61.8 U
PCB-143	E1668B	--	--	--	--	--	--	52.8 U
PCB-144	E1668B	--	--	--	--	--	--	2250
PCB-145	E1668B	--	--	--	--	--	--	10.7 U
PCB-146	E1668B	--	--	--	--	--	--	7800 J
PCB-147/149	E1668B	--	--	--	--	--	--	38500 J
PCB-148	E1668B	--	--	--	--	--	--	13.7 U
PCB-150	E1668B	--	--	--	--	--	--	114
PCB-152	E1668B	--	--	--	--	--	--	47.8 J
PCB-153/168	E1668B	--	--	--	--	--	--	45100 J
PCB-154	E1668B	--	--	--	--	--	--	843
PCB-155	E1668B	--	--	--	--	--	--	24.7
PCB-156/157	E1668B	--	--	--	--	--	--	5540
PCB-158	E1668B	--	--	--	--	--	--	5660
PCB-159	E1668B	--	--	--	--	--	--	44.1 U
PCB-160	E1668B	--	--	--	--	--	--	49.6 U
PCB-161	E1668B	--	--	--	--	--	--	45.6 U
PCB-162	E1668B	--	--	--	--	--	--	40.5 U
PCB-164	E1668B	--	--	--	--	--	--	3680
PCB-165	E1668B	--	--	--	--	--	--	50.6 U
PCB-167	E1668B	--	--	--	--	--	--	2100
PCB-169	E1668B	--	--	--	--	--	--	135 J
PCB-170	E1668B	--	--	--	--	--	--	13400 J
PCB-171/173	E1668B	--	--	--	--	--	--	4340 J
PCB-172	E1668B	--	--	--	--	--	--	2220 J
PCB-174	E1668B	--	--	--	--	--	--	12700 J
PCB-175	E1668B	--	--	--	--	--	--	535 J
PCB-176	E1668B	--	--	--	--	--	--	1550 J
PCB-177	E1668B	--	--	--	--	--	--	8460 J

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2120	Spring Surface Sediment 2121	Spring Surface Sediment 2122	Spring Surface Sediment 2123	Spring Surface Sediment 2124	Spring Surface Sediment 2125
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	1.31	1.44	1.45	1.45	1.45	1.45
		Location ID	NC041SG_20120423	NC043SG_20120430	NC042SG_20120423	NC042SG_20120423	NC042SG_20120423	NC044SG_20120423
		Sample ID	NC041SG-000015-20120423	NC043SG-000015-20120430	NC042SG-000003-20120423	NC042SG-000015-20120423	NC1042SG-000003-20120423	NC044SG-000011-20120423
		Sample Date	4/23/2012	4/30/2012	4/23/2012	4/23/2012	4/23/2012	4/23/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 3 cm	0 - 11 cm
		Water Column Depth	17.8	21	14.9	14.9	14.9	14
		Sample Type	N	N	N	N	FD	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-178	E1668B	--	--	--	--	--	--	2710 J
PCB-179	E1668B	--	--	--	--	--	--	5460 J
PCB-180/193	E1668B	--	--	--	--	--	--	29900 J
PCB-181	E1668B	--	--	--	--	--	--	107 J
PCB-182	E1668B	--	--	--	--	--	--	17.7 UJ
PCB-183	E1668B	--	--	--	--	--	--	--
PCB-183/185	E1668B	--	--	--	--	--	--	8750 J
PCB-184	E1668B	--	--	--	--	--	--	15.3 UJ
PCB-185	E1668B	--	--	--	--	--	--	--
PCB-186	E1668B	--	--	--	--	--	--	14.9 UJ
PCB-187	E1668B	--	--	--	--	--	--	20600 J
PCB-188	E1668B	--	--	--	--	--	--	59.2
PCB-189	E1668B	--	--	--	--	--	--	446 J
PCB-190	E1668B	--	--	--	--	--	--	2810 J
PCB-191	E1668B	--	--	--	--	--	--	527 J
PCB-192	E1668B	--	--	--	--	--	--	31.1 UJ
PCB-194	E1668B	--	--	--	--	--	--	8100 J
PCB-195	E1668B	--	--	--	--	--	--	2990
PCB-196	E1668B	--	--	--	--	--	--	3630
PCB-197	E1668B	--	--	--	--	--	--	--
PCB-197/200	E1668B	--	--	--	--	--	--	1070
PCB-198/199	E1668B	--	--	--	--	--	--	8790
PCB-200	E1668B	--	--	--	--	--	--	--
PCB-201	E1668B	--	--	--	--	--	--	1020
PCB-202	E1668B	--	--	--	--	--	--	2080
PCB-203	E1668B	--	--	--	--	--	--	5110
PCB-204	E1668B	--	--	--	--	--	--	15.8 U
PCB-205	E1668B	--	--	--	--	--	--	360
PCB-206	E1668B	--	--	--	--	--	--	5490
PCB-207	E1668B	--	--	--	--	--	--	531
PCB-208	E1668B	--	--	--	--	--	--	1790
PCB-209	E1668B	--	--	--	--	--	--	3920 J
Total PCB congener (U = 0)	--	--	--	--	--	--	--	1148829.7 J

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2120	Spring Surface Sediment 2121	Spring Surface Sediment 2122	Spring Surface Sediment 2123	Spring Surface Sediment 2124	Spring Surface Sediment 2125
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.31	1.44	1.45	1.45	1.45	1.45
Location ID		NC041SG_20120423	NC043SG_20120430	NC042SG_20120423	NC042SG_20120423	NC042SG_20120423	NC044SG_20120423
Sample ID		NC041SG-000015-20120423	NC043SG-000015-20120430	NC042SG-000003-20120423	NC042SG-000015-20120423	NC1042SG-000003-20120423	NC044SG-000011-20120423
Sample Date		4/23/2012	4/30/2012	4/23/2012	4/23/2012	4/23/2012	4/23/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 3 cm	0 - 15 cm	0 - 3 cm	0 - 11 cm
Water Column Depth		17.8	21	14.9	14.9	14.9	14
Sample Type		N	N	N	N	FD	N
Matrix		SE	SE	SE	SE	SE	SE
Total PCB congener (U = 1/2)	--	--	--	--	--	--	1149350.92 J
Total PCB congener TEQ 1998 (avian) (U = 0)	--	--	--	--	--	--	290.89918 J
Total PCB congener TEQ 1998 (avian) (U = 1/2)	--	--	--	--	--	--	290.89918 J
Total PCB congener TEQ 1998 (fish) (U = 0)	--	--	--	--	--	--	3.90566 J
Total PCB congener TEQ 1998 (fish) (U = 1/2)	--	--	--	--	--	--	3.90566 J
Total PCB congener TEQ 2005 (mammal) (U = 0)	--	--	--	--	--	--	68.20586 J
Total PCB congener TEQ 2005 (mammal) (U = 1/2)	--	--	--	--	--	--	68.20586 J
Total Petroleum Hydrocarbons (mg/kg)							
Diesel range organics (C10 - C28)	SW8015M	2150	2600	--	2080	--	2210
Phytane	SW8015M	1.98	1.43	--	1.53	--	1.6 J
Pristane	SW8015M	2.04	1.72	--	1.54	--	1.66 J
Total petroleum hydrocarbons (C9-C40)	SW8015M	4160	4880	--	4010	--	4450
Radionuclides (pci/g)							
Beryllium 7	HASL300	--	--	0.606	--	0.715	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2126	Spring Surface Sediment 2127	Spring Surface Sediment 2128	Spring Surface Sediment 2129	Spring Surface Sediment 2130	Spring Surface Sediment 2131
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.54	1.54	1.54	1.58349	1.63	1.63
Location ID		NC045SG_20120424	NC046SG_20120430	NC047SG_20120423	NC083SG_20120711	NC049SG_20120430	NC050SG_20120430
Sample ID		NC045SG-000012-20120424	NC046SG-000015-20120430	NC047SG-000008-20120423	NC083SG-000015-20120711	NC049SG-000015-20120430	NC050SG-000015-20120430
Sample Date		4/24/2012	4/30/2012	4/23/2012	7/11/2012	4/30/2012	4/30/2012
Sample Depth		0 - 12 cm	0 - 15 cm	0 - 8 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		23.7	22.5	16.5	15.2	18.8	9.2
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Conventional Parameters (lb/ft³)							
Density	D7263	26.6	23	23.5	22.7	25	24.1
Conventional Parameters (mg/kg)							
Ammonia as nitrogen	SM4500NH3H	24 U	25 U	28 U	62 J	25 U	35
Cyanide, total	SW9012A	2.9 U	3.4 U	3.2 U	3.4 U	3.3 U	3.2 U
Nitrate + nitrite as nitrogen	SM4500NO3F	7.8 U	8.7 U	8.7 U	8.7 U	8.4 U	8.4 U
Nitrogen ((No Suggestions))	SM4500NORGC	2900 J	4100	2000	2300	2300	3100
Phosphorus	SM4500PE	670 J	1600	1600 J	1300 J	1800	1700
Sulfide	SW9030B	6600 J	2100	2800	6800	6500	5000
Conventional Parameters (pct)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	D2216	--	--	--	--	--	--
Soot carbon	SOOTC	0.307 J	0.23	0.251 J	0.918 J	0.543	0.507
Total organic carbon	SW9060	3.695 J	3 J	3.63	4.14 J	3.245 J	4.53 J
Total solids	SM2540G	31.6	28.2	27.5	28.5	29	29.4
Conventional Parameters (SU)							
pH	SW9045C	7.7	8	7.9	7.8	7.9	8.2
Conventional Parameters (unitless)							
Liquid limit	D4318	--	--	--	--	--	--
Plastic limit	D4318	--	--	--	--	--	--
Plasticity index	D4318	--	--	--	--	--	--
Specific gravity	D854	--	--	--	--	--	--
Grain Size (pct)							
Cobbles	D422	0	0	0	0	0	0
Gravel	D422	9.7	0.2	11.8	0.6	0	0.6
Sand	D422	23.8	6.4	10.1	5.5	4.6	12.3
Fines (silt + clay)	D422	66.5	93.4	78.1	93.9	95.4	87.1
Percent passing 0.375 inch (3/8 inch sieve)	D422	92	100	91	100	100	100
Percent passing 0.5 inch (1/2 inch sieve)	D422	95	--	91	--	100	--
Percent passing 0.75 inch (3/4 inch sieve)	D422	100	--	100	--	--	--
Percent passing 1 inch (1 inch sieve)	D422	--	--	--	--	--	--
Percent passing 75 micron sieve (#200)	D422	66	93	78	94	95	87
Percent passing 150 micron sieve (#100)	D422	68	94	80	95	97	89

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2126	Spring Surface Sediment 2127	Spring Surface Sediment 2128	Spring Surface Sediment 2129	Spring Surface Sediment 2130	Spring Surface Sediment 2131
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.54	1.54	1.54	1.58349	1.63	1.63
Location ID		NC045SG_20120424	NC046SG_20120430	NC047SG_20120423	NC083SG_20120711	NC049SG_20120430	NC050SG_20120430
Sample ID		NC045SG-000012-20120424	NC046SG-000015-20120430	NC047SG-000008-20120423	NC083SG-000015-20120711	NC049SG-000015-20120430	NC050SG-000015-20120430
Sample Date		4/24/2012	4/30/2012	4/23/2012	7/11/2012	4/30/2012	4/30/2012
Sample Depth		0 - 12 cm	0 - 15 cm	0 - 8 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		23.7	22.5	16.5	15.2	18.8	9.2
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Percent passing 250 micron sieve (#60)	D422	71	95	81	96	98	91
Percent passing 425 micron sieve (#40)	D422	75	97	83	98	98	93
Percent passing 850 micron sieve (#20)	D422	80	98	84	98	99	96
Percent passing 2000 micron sieve (#10)	D422	86	100	87	99	100	98
Percent passing 4750 micron sieve (#4)	D422	90	100	88	99	100	99
Metals (mg/kg)							
Aluminum	SW6020A	17600 J	15400	14600	13000	11500	15600
Antimony	SW6020A	0.572 J	0.949 J	0.695 J	0.517 J	1.15 J	1.42 J
Arsenic	SW6020A	17.9	16	16.4	18.9	11.5	20.8
Barium	SW6020A	97.9	87.4	110 J	109	79.5	133
Beryllium	SW6020A	0.924	0.931	0.932	0.921	0.624	0.967
Cadmium	SW6020A	4.44	5.22	4.56 J	6.58	4.46	9.11
Calcium	SW6020A	14700 J	8800	9930 J	9780 J	6240	10200
Chromium	SW6020A	99.2	99.6	97.2 J	120	78.2	133
Cobalt	SW6020A	11.7	11.5	11.8 J	12.6	8.14	12
Copper	SW6020A	345 J	320	317 J	465 J	288	592
Iron	SW6020A	33800 J	33800	32700	33000	23800	32100
Lead	SW6020A	193	207	219	280 J	178	334
Magnesium	SW6020A	10500 J	11300	10200	10600 J	9280	11400
Manganese	SW6020A	413	411	406 J	422	271	374
Mercury	E1631M	0.985	1.21	1.16 J	1.25	1.29	1.51
Nickel	SW6020A	58	57.4	58.1 J	76.1	45.8	92.7
Potassium	SW6020A	3740 J	3830 J	3740 J	3170 J	3200 J	3770 J
Selenium	SW6020A	2.75	2.68 J	2.19	2.5	2.26 J	2.92 J
Silver	SW6020A	3.5 J	5.06	4.62	5.31 J	6.06	7.38
Sodium	SW6020A	18100 J	21200 J	18800 J	16900 J	21600 J	20200 J
Thallium	SW6020A	0.292	0.289	0.304	0.351	0.24	0.352
Tin	SW6020A	16.8	23.5	22.7	24 J	33.1	33.2
Vanadium	SW6020A	43.8	39.5	42.2	47.9	30.6	49.2
Zinc	SW6020A	683	548 J	564 J	619	461 J	886 J
Organometallic Compounds (µg/kg)							
Methyl mercury	E1630M	--	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2126	Spring Surface Sediment 2127	Spring Surface Sediment 2128	Spring Surface Sediment 2129	Spring Surface Sediment 2130	Spring Surface Sediment 2131
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.54	1.54	1.54	1.58349	1.63	1.63
Location ID		NC045SG_20120424	NC046SG_20120430	NC047SG_20120423	NC083SG_20120711	NC049SG_20120430	NC050SG_20120430
Sample ID		NC045SG-000012-20120424	NC046SG-000015-20120430	NC047SG-000008-20120423	NC083SG-000015-20120711	NC049SG-000015-20120430	NC050SG-000015-20120430
Sample Date		4/24/2012	4/30/2012	4/23/2012	7/11/2012	4/30/2012	4/30/2012
Sample Depth		0 - 12 cm	0 - 15 cm	0 - 8 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		23.7	22.5	16.5	15.2	18.8	9.2
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Volatile Organics (µg/kg)							
1,1,1-Trichloroethane	SW8260B	3.2 U	3.5 U	3.6 U	3.5 U	3.2 U	3.3 U
1,1,2,2-Tetrachloroethane	SW8260B	3.2 U	3.5 U	3.6 U	3.5 U	3.2 U	3.3 U
1,1,2-Trichloroethane	SW8260B	4.7 U	5.3 U	5.4 U	5.3 U	4.9 U	5 U
1,1,2-Trichlorotrifluoroethane	SW8260B	63 U	71 U	73 U	70 U	65 U	67 U
1,1-Dichloroethane	SW8260B	4.7 U	5.3 U	5.4 U	5.3 U	4.9 U	5 U
1,1-Dichloroethene	SW8260B	3.2 U	3.5 U	3.6 U	3.5 U	3.2 U	3.3 U
1,2,3-Trichlorobenzene	SW8260B	16 U	18 U	18 U	18 U	16 U	17 U
1,2,4-Trichlorobenzene	SW8260B	16 U	18 U	18 U	18 U	16 U	17 U
1,2-Dibromo-3-chloropropane	SW8260B	16 U	18 U	18 U	18 U	16 U	17 U
1,2-Dichlorobenzene	SW8260B	16 U	18 U	18 U	18 U	16 U	17 U
1,2-Dichloroethane	SW8260B	3.2 U	3.5 U	3.6 U	3.5 U	3.2 U	3.3 U
1,2-Dichloroethene, cis-	SW8260B	3.2 U	3.5 U	3.6 U	3.5 U	3.2 U	3.3 U
1,2-Dichloroethene, trans-	SW8260B	4.7 U	5.3 U	5.4 U	5.3 U	4.9 U	5 U
1,2-Dichloropropane	SW8260B	11 U	12 U	13 U	12 U	11 U	12 U
1,3-Dichlorobenzene	SW8260B	16 U	18 U	18 U	18 U	16 U	17 U
1,3-Dichloropropene, cis-	SW8260B	3.2 U	3.5 U	3.6 U	3.5 U	3.2 U	3.3 U
1,3-Dichloropropene, trans-	SW8260B	3.2 U	3.5 U	3.6 U	3.5 U	3.2 U	3.3 U
1,4-Dichlorobenzene	SW8260B	16 U	18 U	18 U	18 U	16 U	17 U
2-Butanone (MEK)	SW8260B	70	75	22 J	16 J	70	100
2-Hexanone (methyl butyl ketone)	SW8260B	32 U	35 U	36 U	35 U	32 U	33 U
Acetone	SW8260B	390	410	110 J	70 J	390	580
Benzene	SW8260B	3.2 U	3.5 U	3.6 U	3.5 U	3.2 U	3.3 U
Bromochloromethane	SW8260B	16 U	18 U	18 U	18 U	16 U	17 U
Bromodichloromethane	SW8260B	3.2 U	3.5 U	3.6 U	3.5 U	3.2 U	3.3 U
Bromoform (tribromomethane)	SW8260B	13 U	14 U	14 U	14 U	13 U	13 U
Bromomethane (methyl bromide)	SW8260B	6.3 U	7.1 U	7.3 U	7 U	6.5 U	6.7 U
Carbon disulfide	SW8260B	9.7 J	23 J	8.6 J	3.7 J	29 J	24 J
Carbon tetrachloride (tetrachloromethane)	SW8260B	3.2 U	3.5 U	3.6 U	3.5 U	3.2 U	3.3 U
Chlorobenzene	SW8260B	3.2 U	3.5 U	3.6 U	3.5 U	3.2 U	3.3 U
Chloroethane	SW8260B	6.3 U	7.1 U	7.3 U	7 U	6.5 U	6.7 U
Chloroform	SW8260B	4.7 U	5.3 U	5.4 U	5.3 U	4.9 U	5 U

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2126	Spring Surface Sediment 2127	Spring Surface Sediment 2128	Spring Surface Sediment 2129	Spring Surface Sediment 2130	Spring Surface Sediment 2131
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.54	1.54	1.54	1.58349	1.63	1.63
Location ID		NC045SG_20120424	NC046SG_20120430	NC047SG_20120423	NC083SG_20120711	NC049SG_20120430	NC050SG_20120430
Sample ID		NC045SG-000012-20120424	NC046SG-000015-20120430	NC047SG-000008-20120423	NC083SG-000015-20120711	NC049SG-000015-20120430	NC050SG-000015-20120430
Sample Date		4/24/2012	4/30/2012	4/23/2012	7/11/2012	4/30/2012	4/30/2012
Sample Depth		0 - 12 cm	0 - 15 cm	0 - 8 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		23.7	22.5	16.5	15.2	18.8	9.2
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Chloromethane	SW8260B	16 U	18 U	18 U	18 U	16 U	17 U
Cyclohexane	SW8260B	63 U	71 U	73 U	70 U	65 U	67 U
Dibromochloromethane	SW8260B	3.2 U	3.5 U	3.6 U	3.5 U	3.2 U	3.3 U
Dichlorodifluoromethane	SW8260B	32 U	35 U	36 U	35 U	32 U	33 U
Dichloromethane (methylene chloride)	SW8260B	32 U	35 U	36 U	35 U	32 U	33 U
Ethylbenzene	SW8260B	3.2 U	3.5 U	3.6 U	3.5 U	3.2 U	3.3 U
Ethylene dibromide (1,2-Dibromoethane)	SW8260B	13 U	14 U	14 U	14 U	13 U	13 U
Isopropylbenzene (cumene)	SW8260B	3.2 U	3.5 U	3.6 U	3.5 U	3.2 U	3.3 U
m,p-Xylene	SW8260B	6.3 U	7.1 U	7.3 U	7 U	6.5 U	6.7 U
Methyl acetate	SW8260B	63 U	71 U	73 U	70 U	65 U	67 U
Methyl isobutyl ketone (4-methyl-2-pentanone [MIBK])	SW8260B	32 U	35 U	36 U	35 U	32 U	33 U
Methyl tert-butyl ether (MTBE)	SW8260B	6.3 U	7.1 U	7.3 U	7 U	6.5 U	6.7 U
Methylcyclohexane	SW8260B	13 U	14 U	14 U	14 U	13 U	13 U
o-Xylene	SW8260B	6.3 U	7.1 U	7.3 U	7 U	6.5 U	6.7 U
Styrene	SW8260B	6.3 U	7.1 U	7.3 U	7 U	6.5 U	6.7 U
Tetrachloroethene (PCE)	SW8260B	3.2 U	3.5 U	3.6 U	3.5 U	3.2 U	3.3 U
Toluene	SW8260B	4.7 U	5.3 U	5.4 U	5.3 U	4.9 U	5 U
Total BTEX (U = 0)	--	6.3 U	7.1 U	7.3 U	7 U	6.5 U	6.7 U
Total BTEX (U = 1/2)	--	6.3 U	7.1 U	7.3 U	7 U	6.5 U	6.7 U
Total xylene (U = 0)	--	6.3 U	7.1 U	7.3 U	7 U	6.5 U	6.7 U
Total xylene (U = 1/2)	--	6.3 U	7.1 U	7.3 U	7 U	6.5 U	6.7 U
Trichloroethene (TCE)	SW8260B	3.2 U	3.5 U	3.6 U	3.5 U	3.2 U	3.3 U
Trichlorofluoromethane (fluorotrichloromethane)	SW8260B	16 U	18 U	18 U	18 U	16 U	17 U
Vinyl acetate	SW8260B	32 U	35 U	36 U	35 U	32 U	33 U
Vinyl chloride	SW8260B	6.3 U	7.1 U	7.3 U	7 U	6.5 U	6.7 U
Semivolatile Organics (µg/kg)							
1,2,4,5-Tetrachlorobenzene	SW8270C	940 U	440 U	1200 U	2200 U	440 U	440 U
1,4-Dioxane	SW8270C	1900 U	890 U	2400 UJ	4500 U	890 U	890 U
2,3,4,6-Tetrachlorophenol	SW8270C	940 U	440 U	1200 U	2200 U	440 U	440 U
2,4,5-Trichlorophenol	SW8270C	940 U	440 U	1200 U	2200 U	440 U	440 U
2,4,6-Trichlorophenol	SW8270C	940 U	440 U	1200 U	2200 U	440 U	440 U

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2126	Spring Surface Sediment 2127	Spring Surface Sediment 2128	Spring Surface Sediment 2129	Spring Surface Sediment 2130	Spring Surface Sediment 2131
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.54	1.54	1.54	1.58349	1.63	1.63
Location ID		NC045SG_20120424	NC046SG_20120430	NC047SG_20120423	NC083SG_20120711	NC049SG_20120430	NC050SG_20120430
Sample ID		NC045SG-000012-20120424	NC046SG-000015-20120430	NC047SG-000008-20120423	NC083SG-000015-20120711	NC049SG-000015-20120430	NC050SG-000015-20120430
Sample Date		4/24/2012	4/30/2012	4/23/2012	7/11/2012	4/30/2012	4/30/2012
Sample Depth		0 - 12 cm	0 - 15 cm	0 - 8 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		23.7	22.5	16.5	15.2	18.8	9.2
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
2,4-Dichlorophenol	SW8270C	190 U	89 U	240 U	450 U	89 U	90 U
2,4-Dimethylphenol	SW8270C	940 U	440 U	1200 U	2200 U	440 U	440 U
2,4-Dinitrophenol	SW8270C	4900 U	2300 U	6100 U	11000 U	2300 U	2300 U
2,4-Dinitrotoluene	SW8270C	940 U	440 U	1200 U	2200 U	440 U	440 U
2,6-Dinitrotoluene	SW8270C	940 U	440 U	1200 U	2200 U	440 U	440 U
2-Chloronaphthalene	SW8270C	190 U	89 U	240 U	450 U	89 U	90 U
2-Chlorophenol	SW8270C	940 U	440 U	1200 U	2200 U	440 U	440 U
2-Methylnaphthalene	SW8270C	230	160	210 J	570	150	230
2-Methylphenol (o-Cresol)	SW8270C	940 U	440 U	1200 U	2200 U	440 U	440 U
2-Nitroaniline	SW8270C	4900 U	2300 U	6100 U	11000 U	2300 U	2300 U
2-Nitrophenol	SW8270C	940 U	440 U	1200 U	2200 U	440 U	440 U
3,3'-Dichlorobenzidine	SW8270C	940 U	440 UJ	1200 UJ	2200 U	440 UJ	440 UJ
3-methylphenol and 4-methylphenol (m&p-cresol)	SW8270C	940 U	440 U	1200 U	2200 U	440 U	440 U
3-Nitroaniline	SW8270C	4900 U	2300 U	6100 U	11000 U	2300 U	2300 U
4-Bromophenyl-phenyl ether	SW8270C	940 U	440 U	1200 U	2200 U	440 U	440 U
4-Chloro-3-methylphenol	SW8270C	940 U	440 U	1200 U	2200 U	440 U	440 U
4-Chloroaniline	SW8270C	140 J	180 J	150 J	2200 U	110 J	210 J
4-Chlorophenyl phenyl ether	SW8270C	940 U	440 U	1200 U	2200 U	440 U	440 U
4-Nitroaniline	SW8270C	4900 U	2300 U	6100 U	11000 U	2300 U	2300 U
4-Nitrophenol	SW8270C	4900 U	2300 U	6100 U	11000 U	2300 U	2300 U
Acenaphthene	SW8270C	200	80 J	240 U	760	120	150
Acenaphthylene	SW8270C	600	190	240 U	480	150	260
Acetophenone	SW8270C	940 U	39 J	130 J	2200 U	440 U	440 U
Anthracene	SW8270C	1800	320	590	1600	300	500
Atrazine	SW8270C	940 U	440 UJ	1200 UJ	2200 UJ	440 UJ	440 UJ
Benzaldehyde	SW8270C	640 J	190 J	330 J	2200 UJ	440 UJ	440 UJ
Benzo(a)anthracene	SW8270C	11000 J	1100	1800	3700	990	1700
Benzo(a)pyrene	SW8270C	4400 J	1200	2200	4200 J	1300	2000
Benzo(b)fluoranthene	SW8270C	5700 J	1300	2300	3800 J	1300	2000
Benzo(g,h,i)perylene	SW8270C	1500 J	850	1500	1900 J	850	1500
Benzo(k)fluoranthene	SW8270C	1400 J	460	970	2000 J	500	690
Biphenyl (1,1'-Biphenyl)	SW8270C	940 U	46 J	1200 U	230 J	45 J	63 J

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2126	Spring Surface Sediment 2127	Spring Surface Sediment 2128	Spring Surface Sediment 2129	Spring Surface Sediment 2130	Spring Surface Sediment 2131
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	1.54	1.54	1.54	1.58349	1.63	1.63
		Location ID	NC045SG_20120424	NC046SG_20120430	NC047SG_20120423	NC083SG_20120711	NC049SG_20120430	NC050SG_20120430
		Sample ID	NC045SG-000012-20120424	NC046SG-000015-20120430	NC047SG-000008-20120423	NC083SG-000015-20120711	NC049SG-000015-20120430	NC050SG-000015-20120430
		Sample Date	4/24/2012	4/30/2012	4/23/2012	7/11/2012	4/30/2012	4/30/2012
		Sample Depth	0 - 12 cm	0 - 15 cm	0 - 8 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	23.7	22.5	16.5	15.2	18.8	9.2
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
bis(2-Chloroethoxy)methane	SW8270C		940 U	440 U	1200 U	2200 U	440 U	440 U
bis(2-Chloroethyl)ether	SW8270C		190 U	89 U	240 U	450 U	89 U	90 U
bis(2-Chloroisopropyl)ether	SW8270C		190 U	89 U	240 U	450 UJ	89 U	90 U
Bis(2-ethylhexyl)phthalate	SW8270C		8500 J	8100	9500	13000	7300	16000
Butylbenzyl phthalate	SW8270C		230 J	440 U	1200 U	2200 U	250 J	370 J
Caprolactam	SW8270C		4900 UJ	2300 U	6100 UJ	11000 UJ	2300 U	2300 U
Carbazole	SW8270C		210	78 J	190 J	830	97	170
Chrysene	SW8270C		10000 J	1100	1800	4100	1200	1800
Dibenzo(a,h)anthracene	SW8270C		800 J	210	340	880 J	220	390
Dibenzofuran	SW8270C		140 J	82 J	1200 U	680 J	92 J	100 J
Diethyl phthalate	SW8270C		940 U	440 U	1200 U	2200 U	440 U	440 U
Dimethyl phthalate	SW8270C		940 U	440 U	1200 U	2200 U	440 U	440 U
Di-n-butyl phthalate	SW8270C		130 J	130 J	530 J	450 J	91 J	170 J
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)	SW8270C		4900 UJ	2300 U	6100 U	11000 U	2300 U	2300 U
Di-n-octyl phthalate	SW8270C		940 U	440 U	1200 U	2200 UJ	440 U	440 U
Fluoranthene	SW8270C		30000	1300	3000	6400	1400	2500
Fluorene	SW8270C		230	94	240 U	710	110	180
Hexachlorobenzene	SW8270C		190 U	89 U	240 U	450 U	89 U	90 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270C		190 U	89 U	240 U	450 U	89 U	90 U
Hexachlorocyclopentadiene	SW8270C		940 U	440 U	1200 U	2200 UJ	440 U	440 U
Hexachloroethane	SW8270C		940 U	440 U	1200 U	2200 U	440 U	440 U
Indeno(1,2,3-c,d)pyrene	SW8270C		1700 J	640	1300	2000 J	680	1100
Isophorone	SW8270C		940 U	440 U	1200 U	2200 U	440 U	440 U
Naphthalene	SW8270C		330	240	280	1000	190	290
Nitrobenzene	SW8270C		1900 U	890 U	2400 U	4500 U	890 U	890 U
N-Nitrosodi-N-propylamine	SW8270C		190 U	89 U	240 U	450 U	89 U	90 U
N-Nitrosodiphenylamine	SW8270C		940 U	440 U	1200 U	2200 U	440 U	440 U
Pentachlorophenol	SW8270C		940 U	440 U	1200 U	2200 U	440 U	440 U
Phenanthrene	SW8270C		1200	590	1400	7800	670	1200
Phenol	SW8270C		25 J	89 U	240 U	660	89 U	90 U
Pyrene	SW8270C		17000 J	2200	3400	9300	2200	3500

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2126	Spring Surface Sediment 2127	Spring Surface Sediment 2128	Spring Surface Sediment 2129	Spring Surface Sediment 2130	Spring Surface Sediment 2131
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.54	1.54	1.54	1.58349	1.63	1.63
Location ID		NC045SG_20120424	NC046SG_20120430	NC047SG_20120423	NC083SG_20120711	NC049SG_20120430	NC050SG_20120430
Sample ID		NC045SG-000012-20120424	NC046SG-000015-20120430	NC047SG-000008-20120423	NC083SG-000015-20120711	NC049SG-000015-20120430	NC050SG-000015-20120430
Sample Date		4/24/2012	4/30/2012	4/23/2012	7/11/2012	4/30/2012	4/30/2012
Sample Depth		0 - 12 cm	0 - 15 cm	0 - 8 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		23.7	22.5	16.5	15.2	18.8	9.2
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total cresol (o,m,p) (U = 0)	--	940 U	440 U	1200 U	2200 U	440 U	440 U
Total cresol (o,m,p) (U = 1/2)	--	940 U	440 U	1200 U	2200 U	440 U	440 U
Polycyclic Aromatic Hydrocarbons (µg/kg)							
1,6,7-Trimethylnaphthalene	SW8270CMSIM	32.2	30.2	47.5	44.4	63.9	108
1-Methyldibenzothiophene	SW8270CMSIM	23.6 J	34.1	32.9	55.4	48.4	108
1-Methylnaphthalene	SW8270CMSIM	105	105	144	184	132	142
1-Methylphenanthrene	SW8270CMSIM	141	180	365	178	252	339
2,6-Dimethylnaphthalene	SW8270CMSIM	231	220	252	335	280	340
2-Methylantracene	SW8270CMSIM	166	159	233	193	220	318
2-Methyldibenzothiophene and 3-methyldibenzothiophene	SW8270CMSIM	126	79	55	190	102	182
2-Methylnaphthalene	SW8270CMSIM	349	295	344	511	374	434
2-Methylphenanthrene	SW8270CMSIM	185	222	439	253	301	333
4-Methyldibenzothiophene	SW8270CMSIM	70.5	88.3	98.6	118	112	240
4-Methylphenanthrene and 9-methylphenanthrene	SW8270CMSIM	208	233	382	279	337	485
Acenaphthene	SW8270CMSIM	141	101	307	143	136	138
Acenaphthylene	SW8270CMSIM	325	194	367	350	253	246
Anthracene	SW8270CMSIM	601	462	972	601	618	744
Benzo(a)anthracene	SW8270CMSIM	1640	1280	2650	1760	1750	2260
Benzo(a)pyrene	SW8270CMSIM	2090	1800	2840	2380	2520	2770
Benzo(b)fluoranthene	SW8270CMSIM	2280	2130	2800	2350	2580	3070
Benzo(e)pyrene	SW8270CMSIM	1790	1730	2310	2340	2410	2910
Benzo(g,h,i)perylene	SW8270CMSIM	1280	1320	2000	1940	1870	2310
Benzo(j,k)fluoranthene	SW8270CMSIM	1810	1330	2160	2080	2190	2090
Benzonaphthothiophene	SW8270CMSIM	703	718	775	752	978	1250
Benzothiophene	SW8270CMSIM	22 J	17.8 J	16.4 J	30.8 J	23.4 J	22.5 J
Carbazole	SW8270CMSIM	109	118	299	134	176	218
Chrysene	SW8270CMSIM	2010	1540	2830	2020	2040	2640
Decalin, cis and trans-	SW8270CMSIM	22.4	29.1	34.3	50.4	43	63.4
Dibenzo(a,h)anthracene and dibenzo(a,c)anthracene	SW8270CMSIM	384	450	620	614	642	841
Dibenzothiophene	SW8270CMSIM	108	110	218	143	150	168

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2126	Spring Surface Sediment 2127	Spring Surface Sediment 2128	Spring Surface Sediment 2129	Spring Surface Sediment 2130	Spring Surface Sediment 2131
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.54	1.54	1.54	1.58349	1.63	1.63
Location ID		NC045SG_20120424	NC046SG_20120430	NC047SG_20120423	NC083SG_20120711	NC049SG_20120430	NC050SG_20120430
Sample ID		NC045SG-000012-20120424	NC046SG-000015-20120430	NC047SG-000008-20120423	NC083SG-000015-20120711	NC049SG-000015-20120430	NC050SG-000015-20120430
Sample Date		4/24/2012	4/30/2012	4/23/2012	7/11/2012	4/30/2012	4/30/2012
Sample Depth		0 - 12 cm	0 - 15 cm	0 - 8 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		23.7	22.5	16.5	15.2	18.8	9.2
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Fluoranthene	SW8270CMSIM	4040	2550	5140	2850	3580	4430
Fluorene	SW8270CMSIM	146	139	305	175	190	190
Indeno(1,2,3-c,d)pyrene	SW8270CMSIM	1320	1180	2020	1560	1690	1860
Naphthalene	SW8270CMSIM	550	393	413	682	495	526
Perylene	SW8270CMSIM	611	608	790	814	798	800
Phenanthrene	SW8270CMSIM	894	936	3170	1170	1370	1350
Pyrene	SW8270CMSIM	5530	4450	5740	4370	6070	6840
Retene	SW8270CMSIM	23.7 U	20.9 U	21.5 U	43.7 U	34.5 U	36.2 U
Total benzofluoranthenes (U = 0)	--	4090	3460	4960	4430	4770	5160
Total benzofluoranthenes (U = 1/2)	--	4090	3460	4960	4430	4770	5160
Total cPAH TEQ (USEPA 1993) (U = 0)	--	3018.11	2723.84	4231.43	3583.82	3787.94	4353.54
Total cPAH TEQ (USEPA 1993) (U = 1/2)	--	3018.11	2723.84	4231.43	3583.82	3787.94	4353.54
Total HPAH (9 of 16) (U = 0)	--	22384	18030	28800	21924	24932	29111
Total HPAH (9 of 16) (U = 1/2)	--	22384	18030	28800	21924	24932	29111
Total LPAH (7 of 16) (U = 0)	--	3006	2520	5878	3632	3436	3628
Total LPAH (7 of 16) (U = 1/2)	--	3006	2520	5878	3632	3436	3628
Total PAH (16) (U = 0)	--	25390	20550	34678	25556	28368	32739
Total PAH (16) (U = 1/2)	--	25390	20550	34678	25556	28368	32739
Alkylated Polycyclic Aromatic Hydrocarbons (µg/kg)							
C1-Benzo(a)anthracenes/chrysenes	SW8270CMSIM	2060	2000	2460	2670	3000	3930
C1-Benzo(b)thiophenes	SW8270CMSIM	32.7	37	32.9	83	44.3	56
C1-Decalins	SW8270CMSIM	195	235	199	447	363	699
C1-Dibenzothiophenes	SW8270CMSIM	250	232	232	394	298	584
C1-Fluoranthenes/Pyrenes	SW8270CMSIM	3380	3560	3530	3500	5020	6380
C1-Fluorenes	SW8270CMSIM	134	145	198	178	196	311
C1-Naphthalenes	SW8270CMSIM	286	236	309	420	299	341
C1-Phenanthrenes/Anthracenes	SW8270CMSIM	866	978	1730	1170	1350	1890
C2-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	1920	1900	2310	2820	2820	3770
C2-Benzo(b)thiophenes	SW8270CMSIM	43.6	38.2	42.7	69.2	51.5	73
C2-Decalins	SW8270CMSIM	884	932	743	1450	1350	2100
C2-Dibenzothiophenes	SW8270CMSIM	473	608	602	890	939	2290
C2-Fluorenes	SW8270CMSIM	403	483	501	670	724	1820
C2-Naphthalenes	SW8270CMSIM	302	285	378	462	360	426

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2126	Spring Surface Sediment 2127	Spring Surface Sediment 2128	Spring Surface Sediment 2129	Spring Surface Sediment 2130	Spring Surface Sediment 2131
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.54	1.54	1.54	1.58349	1.63	1.63
Location ID		NC045SG_20120424	NC046SG_20120430	NC047SG_20120423	NC083SG_20120711	NC049SG_20120430	NC050SG_20120430
Sample ID		NC045SG-000012-20120424	NC046SG-000015-20120430	NC047SG-000008-20120423	NC083SG-000015-20120711	NC049SG-000015-20120430	NC050SG-000015-20120430
Sample Date		4/24/2012	4/30/2012	4/23/2012	7/11/2012	4/30/2012	4/30/2012
Sample Depth		0 - 12 cm	0 - 15 cm	0 - 8 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		23.7	22.5	16.5	15.2	18.8	9.2
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
C2-Phenanthrenes/Anthracenes	SW8270CMSIM	1280	1240	1720	1880	1840	4250
C3-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	1590	1680	1930	2700	2580	3320
C3-Benzo(b)thiophenes	SW8270CMSIM	110	96.9	120	184	144	225
C3-Decalins	SW8270CMSIM	932	1020	809	1320	1460	1940
C3-Dibenzothiophenes	SW8270CMSIM	825	1220	938	1460	1940	3290
C3-Fluorenes	SW8270CMSIM	949	1160	1210	1460	1800	3340
C3-Naphthalenes	SW8270CMSIM	301	277	396	448	414	830
C3-Phenanthrenes/Anthracenes	SW8270CMSIM	1390	1590	1580	2000	2660	4740
C4-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	806	844	1020	1430	1320	1680
C4-Benzo(b)thiophenes	SW8270CMSIM	132	130	153	206	197	331
C4-Decalins	SW8270CMSIM	1660	1780	1620	2210	2570	3720
C4-Dibenzothiophenes	SW8270CMSIM	652	882	659	1060	1370	1960
C4-Naphthalenes	SW8270CMSIM	470	444	586	766	660	1880
C4-Phenanthrenes/Anthracenes	SW8270CMSIM	1020	1310	1120	1470	2100	3120
n-Alkanes and Isoprenoids (µg/kg)							
2,6,10-Trimethyldodecane	SW8015M	1580 U	502 J	490 J	2910 U	995 J	1460 J
2,6,10-Trimethyltridecane	SW8015M	1300 J	1560 J	592 J	2080 J	2300 J	4520 J
n-Decane (C10)	SW8015M	1580 U	1400 U	1430 U	2910 U	2300 U	2410 U
n-Docosane (C22)	SW8015M	1580 U	556 J	571 J	2910 U	827 J	1300 J
n-Dodecane (C12)	SW8015M	1580 U	1400 U	1430 U	2910 U	2300 U	2410 U
n-Dotriacontane (C32)	SW8015M	810 J	6230	6130	1650 J	7720	9220
n-Eicosane (C20)	SW8015M	1580 U	489 J	714 J	2910 U	748 J	1300 J
n-Heneicosane (C21)	SW8015M	984 J	793 J	691 J	866 J	2300 U	2410 U
n-Hentriacontane (C31)	SW8015M	4450	2150	2390	7020	2710	2710
n-Heptacosane (C27)	SW8015M	1410 J	786 J	1870	2200 J	1020 J	1070 J
n-Heptadecane (C17)	SW8015M	698 J	833 J	832 J	1040 J	1300 J	1330 J
n-Heptatriacontane (C37)	SW8015M	477 J	807 J	885 J	906 J	926 J	1280 J
n-Hexacosane (C26)	SW8015M	597 J	1400 U	1210 J	2910 U	1630 J	2410 U
n-Hexadecane (C16)	SW8015M	243 J	638 J	763 J	2910 U	815 J	1760 J
n-Hexatriacontane (C36)	SW8015M	1490 J	746 J	674 J	1520 J	1240 J	1500 J
n-Nonacosane (C29)	SW8015M	4250	4340	2680	4940	5710	7010
n-Nonadecane (C19)	SW8015M	1580 U	524 J	485 J	2910 U	755 J	914 J
n-Nonane (C9)	SW8015M	1580 U	1400 U	1430 U	2910 U	2300 U	2410 U

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2126	Spring Surface Sediment 2127	Spring Surface Sediment 2128	Spring Surface Sediment 2129	Spring Surface Sediment 2130	Spring Surface Sediment 2131
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.54	1.54	1.54	1.58349	1.63	1.63
Location ID		NC045SG_20120424	NC046SG_20120430	NC047SG_20120423	NC083SG_20120711	NC049SG_20120430	NC050SG_20120430
Sample ID		NC045SG-000012-20120424	NC046SG-000015-20120430	NC047SG-000008-20120423	NC083SG-000015-20120711	NC049SG-000015-20120430	NC050SG-000015-20120430
Sample Date		4/24/2012	4/30/2012	4/23/2012	7/11/2012	4/30/2012	4/30/2012
Sample Depth		0 - 12 cm	0 - 15 cm	0 - 8 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		23.7	22.5	16.5	15.2	18.8	9.2
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
n-Nonatriacontane (C39)	SW8015M	546 J	811 J	1110 J	1010 J	1020 J	972 J
n-Octacosane (C28)	SW8015M	1580 U	1290 J	1630	2910 U	2140 J	1660 J
n-Octadecane (C18)	SW8015M	1300 J	1320 J	3970 J	1560 J	1860 J	2760 J
n-Octatriacontane (C38)	SW8015M	774 J	773 J	769 J	1130 J	1040 J	1020 J
Norpristane	SW8015M	690 J	1000 J	551 J	2910 U	1380 J	2490
n-Pentacosane (C25)	SW8015M	4110 J	3950 J	1230 J	4130 J	5520 J	6910 J
n-Pentadecane (C15)	SW8015M	289 J	764 J	1020 J	866 J	1040 J	2440
n-Pentatriacontane (C35)	SW8015M	857 J	1040 J	1350 J	1800 J	1500 J	1820 J
n-Tetracontane (C40)	SW8015M	595 J	652 J	828 J	2910 U	1040 J	984 J
n-Tetracosane (C24)	SW8015M	1580 U	1400 U	587 J	2910 U	405 J	2410 U
n-Tetradecane (C14)	SW8015M	338 J	726 J	676 J	487 J	981 J	2070 J
n-Tetratriacontane (C34)	SW8015M	1760	2510	1990	2900 J	3260	3690
n-Triacontane (C30)	SW8015M	940 J	1560	1600	1490 J	2220 J	2360 J
n-Tricosane (C23)	SW8015M	701 J	842 J	561 J	965 J	1210 J	1510 J
n-Tridecane (C13)	SW8015M	1580 U	440 J	399 J	2910 U	649 J	1140 J
n-Tritriacontane (C33)	SW8015M	2900	4770	3350	5320	6610	6900
n-Undecane (C11)	SW8015M	1580 U	1400 U	1430 U	2910 U	2300 U	955 J
Pesticides (µg/kg)							
2,4'-DDD (o,p'-DDD)	SW8081A	0.24 UJ	0.28 U	2.5 J	2.8 U	0.28 U	0.28 U
2,4'-DDE (o,p'-DDE)	SW8081A	2.6 J	3.1	4.1 J	2.5	3.6	3.6
2,4'-DDT (o,p'-DDT)	SW8081A	0.24 U	0.28 U	0.22 J	2.8 U	0.28 U	0.28 U
4,4'-DDD (p,p'-DDD)	SW8081A	1.2 J	7.9	7.9 J	9.1	8.6	14
4,4'-DDE (p,p'-DDE)	SW8081A	8.3	6.6 J	7.3 J	12	7.6 J	7.7 J
4,4'-DDT (p,p'-DDT)	SW8081A	3.3	2.5	4 J	2.8 UJ	1.9 J	4 J
Aldrin	SW8081A	0.14 J	0.28 U	0.92 J	0.43 J	0.061 J	0.062 J
alpha-Hexachlorocyclohexane (BHC)	SW8081A	0.24 U	0.28 U	0.3 UJ	-- R	0.28 U	0.094 J
Chlordane, alpha- (cis-Chlordane)	SW8081A	0.24 UJ	6.9	6.5 J	6.3 J	6.8	12
Chlordane, beta- (trans-Chlordane)	SW8081A	0.24 U	0.28 U	0.3 UJ	29 J	0.28 U	0.28 U
delta-Hexachlorocyclohexane (BHC)	SW8081A	0.15 J	0.28 U	0.3 UJ	2.8 UJ	0.28 U	0.28 U
Dieldrin	SW8081A	0.84 J	1.6	1.5 J	1.5 J	1.7	3.7
Endosulfan sulfate	SW8081A	0.24 UJ	1.2	0.84 J	2.8 U	1.2	2.6
Endosulfan-alpha (I)	SW8081A	0.24 U	0.28 U	0.3 UJ	2.8 UJ	0.28 U	0.28 U
Endosulfan-beta (II)	SW8081A	0.64 J	0.07 J	0.3 UJ	0.91 J	0.17 J	0.67 J

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2126	Spring Surface Sediment 2127	Spring Surface Sediment 2128	Spring Surface Sediment 2129	Spring Surface Sediment 2130	Spring Surface Sediment 2131
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.54	1.54	1.54	1.58349	1.63	1.63
Location ID		NC045SG_20120424	NC046SG_20120430	NC047SG_20120423	NC083SG_20120711	NC049SG_20120430	NC050SG_20120430
Sample ID		NC045SG-000012-20120424	NC046SG-000015-20120430	NC047SG-000008-20120423	NC083SG-000015-20120711	NC049SG-000015-20120430	NC050SG-000015-20120430
Sample Date		4/24/2012	4/30/2012	4/23/2012	7/11/2012	4/30/2012	4/30/2012
Sample Depth		0 - 12 cm	0 - 15 cm	0 - 8 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		23.7	22.5	16.5	15.2	18.8	9.2
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Endrin	SW8081A	0.24 UJ	1.1	0.55 J	0.65 J	1.5	3
Endrin aldehyde	SW8081A	0.24 UJ	0.28 UJ	0.15 J	2.8 UJ	0.28 UJ	0.28 UJ
Endrin ketone	SW8081A	0.24 UJ	0.93 J	0.54 J	2.8 UJ	1.1 J	1.2 J
Heptachlor	SW8081A	0.24 U	0.28 U	0.3 UJ	0.49 J	0.28 U	0.28 U
Heptachlor epoxide	SW8081A	0.4 J	0.32 J	1.7 J	0.9 J	0.35 J	1.1 J
Hexachlorobenzene	SW8081A	0.42	0.59	1.3 J	1.5	0.71	1.3
Hexachlorocyclohexane, beta- (BHC)	SW8081A	0.24 U	0.28 U	0.3 UJ	2.8 UJ	0.17 J	0.5 J
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	SW8081A	0.24 U	0.28 U	0.3 UJ	2.8 UJ	0.28 U	0.28 U
Methoxychlor	SW8081A	0.47 U	0.56 U	0.6 UJ	5.6 U	0.56 U	0.56 U
Mirex	SW8081A	0.067 J	0.28 U	0.21 J	0.38 J	0.28 U	0.28 U
Nonachlor, cis-	SW8081A	0.54 J	1.8	1.9 J	1.3 J	1.6	2.3 J
Nonachlor, trans-	SW8081A	0.57 J	0.67 J	0.3 UJ	2.8 U	0.8 J	1.1 J
Oxychlordane	SW8081A	0.24 UJ	0.28 U	0.38 J	2.8 UJ	0.18 J	1.9
Sum DDD (U = 0)	--	1.2 J	7.9	10.4 J	9.1	8.6	14
Sum DDD (U = 1/2)	--	1.32 J	8.04	10.4 J	10.5	8.74	14.14
Sum DDE (U = 0)	--	10.9 J	9.7 J	11.4 J	14.5	11.2 J	11.3 J
Sum DDE (U = 1/2)	--	10.9 J	9.7 J	11.4 J	14.5	11.2 J	11.3 J
Sum DDT (U = 0)	--	3.3	2.5	4.22 J	2.8 UJ	1.9 J	4 J
Sum DDT (U = 1/2)	--	3.42	2.64	4.22 J	2.8 UJ	2.04 J	4.14 J
Total chlordanes (U = 0)	--	1.11 J	9.37 J	8.78 J	36.6 J	9.38 J	17.3 J
Total chlordanes (U = 1/2)	--	1.47 J	9.65 J	9.08 J	39.4 J	9.52 J	17.44 J
Total DDx (U = 0)	--	15.4 J	20.1 J	26.02 J	23.6 J	21.7 J	29.3 J
Total DDx (U = 1/2)	--	15.64 J	20.38 J	26.02 J	27.8 J	21.98 J	29.58 J
Toxaphene	SW8081A	9.4 U	11 U	12 UJ	110 U	11 U	11 U
Pesticides - High Resolution (µg/kg)							
2,4'-DDD (o,p'-DDD)	E1699	--	--	--	--	--	--
2,4'-DDE (o,p'-DDE)	E1699	--	--	--	--	--	--
2,4'-DDT (o,p'-DDT)	E1699	--	--	--	--	--	--
4,4'-DDD (p,p'-DDD)	E1699	--	--	--	--	--	--
4,4'-DDE (p,p'-DDE)	E1699	--	--	--	--	--	--
4,4'-DDT (p,p'-DDT)	E1699	--	--	--	--	--	--
Aldrin	E1699	--	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2126	Spring Surface Sediment 2127	Spring Surface Sediment 2128	Spring Surface Sediment 2129	Spring Surface Sediment 2130	Spring Surface Sediment 2131
Task		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
Tributary		1.54	1.54	1.54	1.58349	1.63	1.63
River Mile		NC045SG_20120424	NC046SG_20120430	NC047SG_20120423	NC083SG_20120711	NC049SG_20120430	NC050SG_20120430
Location ID		NC045SG-000012-20120424	NC046SG-000015-20120430	NC047SG-000008-20120423	NC083SG-000015-20120711	NC049SG-000015-20120430	NC050SG-000015-20120430
Sample ID		4/24/2012	4/30/2012	4/23/2012	7/11/2012	4/30/2012	4/30/2012
Sample Date		0 - 12 cm	0 - 15 cm	0 - 8 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Sample Depth		23.7	22.5	16.5	15.2	18.8	9.2
Water Column Depth		N	N	N	N	N	N
Sample Type		SE	SE	SE	SE	SE	SE
Matrix							
alpha-Hexachlorocyclohexane (BHC)	E1699	--	--	--	--	--	--
Chlordane, alpha- (cis-Chlordane)	E1699	--	--	--	--	--	--
Chlordane, beta- (trans-Chlordane)	E1699	--	--	--	--	--	--
delta-Hexachlorocyclohexane (BHC)	E1699	--	--	--	--	--	--
Dieldrin	E1699	--	--	--	--	--	--
Endosulfan sulfate	E1699	--	--	--	--	--	--
Endosulfan-alpha (I)	E1699	--	--	--	--	--	--
Endosulfan-beta (II)	E1699	--	--	--	--	--	--
Endrin	E1699	--	--	--	--	--	--
Endrin aldehyde	E1699	--	--	--	--	--	--
Endrin ketone	E1699	--	--	--	--	--	--
Heptachlor	E1699	--	--	--	--	--	--
Heptachlor epoxide	E1699	--	--	--	--	--	--
Hexachlorobenzene	E1699	--	--	--	--	--	--
Hexachlorocyclohexane, beta- (BHC)	E1699	--	--	--	--	--	--
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	E1699	--	--	--	--	--	--
Methoxychlor	E1699	--	--	--	--	--	--
Mirex	E1699	--	--	--	--	--	--
Nonachlor, cis-	E1699	--	--	--	--	--	--
Nonachlor, trans-	E1699	--	--	--	--	--	--
Oxychlordane	E1699	--	--	--	--	--	--
Sum DDD high resolution (U = 0)	--	--	--	--	--	--	--
Sum DDD high resolution (U = 1/2)	--	--	--	--	--	--	--
Sum DDE high resolution (U = 0)	--	--	--	--	--	--	--
Sum DDE high resolution (U = 1/2)	--	--	--	--	--	--	--
Sum DDT high resolution (U = 0)	--	--	--	--	--	--	--
Sum DDT high resolution (U = 1/2)	--	--	--	--	--	--	--
Total chlordane high resolution (U = 0)	--	--	--	--	--	--	--
Total chlordane high resolution (U = 1/2)	--	--	--	--	--	--	--
Total DDx high resolution (U = 0)	--	--	--	--	--	--	--
Total DDx high resolution (U = 1/2)	--	--	--	--	--	--	--
Toxaphene	E1699	--	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2126	Spring Surface Sediment 2127	Spring Surface Sediment 2128	Spring Surface Sediment 2129	Spring Surface Sediment 2130	Spring Surface Sediment 2131
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.54	1.54	1.54	1.58349	1.63	1.63
Location ID		NC045SG_20120424	NC046SG_20120430	NC047SG_20120423	NC083SG_20120711	NC049SG_20120430	NC050SG_20120430
Sample ID		NC045SG-000012-20120424	NC046SG-000015-20120430	NC047SG-000008-20120423	NC083SG-000015-20120711	NC049SG-000015-20120430	NC050SG-000015-20120430
Sample Date		4/24/2012	4/30/2012	4/23/2012	7/11/2012	4/30/2012	4/30/2012
Sample Depth		0 - 12 cm	0 - 15 cm	0 - 8 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		23.7	22.5	16.5	15.2	18.8	9.2
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Herbicides (µg/kg)							
2,2-Dichloropropionic acid (dalapon)	SW8151A	260 U	300 UJ	320 UJ	300 U	300 UJ	300 UJ
2,4,5-T (2,4,5-trichlorophenoxyacetic acid)	SW8151A	57 U	67 U	72 U	67 U	67 U	67 U
2,4,5-TP (Silvex)	SW8151A	57 U	67 U	72 U	67 U	67 U	67 U
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	230 U	270 U	290 U	270 U	270 U	270 U
2,4-DB (2,4-D derivative)	SW8151A	230 U	270 U	290 U	270 U	270 U	270 U
Dicamba	SW8151A	110 U	130 U	140 U	130 U	130 U	130 U
Dichlorprop	SW8151A	170 J	270 U	290 U	270 U	270 U	270 U
Dinoseb	SW8151A	34 U	40 UJ	43 UJ	40 UJ	40 UJ	40 UJ
Mecoprop (MCP)	SW8151A	23000 U	27000 U	29000 U	27000 U	27000 U	27000 U
Mephanac (MCPA)	SW8151A	23000 U	27000 U	29000 U	27000 U	27000 U	27000 U
Dioxin Furans (ng/kg)							
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	--	--	--	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	--	--	--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	--	--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	--	--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	--	--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B	--	--	--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B	--	--	--	--	--	--
Total tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	--	--	--	--	--	--
Total pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	--	--	--	--	--	--
Total hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2126	Spring Surface Sediment 2127	Spring Surface Sediment 2128	Spring Surface Sediment 2129	Spring Surface Sediment 2130	Spring Surface Sediment 2131
Task		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
Tributary		1.54	1.54	1.54	1.58349	1.63	1.63
River Mile		NC045SG_20120424	NC046SG_20120430	NC047SG_20120423	NC083SG_20120711	NC049SG_20120430	NC050SG_20120430
Location ID		NC045SG-000012-20120424	NC046SG-000015-20120430	NC047SG-000008-20120423	NC083SG-000015-20120711	NC049SG-000015-20120430	NC050SG-000015-20120430
Sample ID		4/24/2012	4/30/2012	4/23/2012	7/11/2012	4/30/2012	4/30/2012
Sample Date		0 - 12 cm	0 - 15 cm	0 - 8 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Sample Depth		23.7	22.5	16.5	15.2	18.8	9.2
Water Column Depth		N	N	N	N	N	N
Sample Type		SE	SE	SE	SE	SE	SE
Matrix							
Total heptachlorodibenzo-p-dioxin (HpCDD)	E1613B	--	--	--	--	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B	--	--	--	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B	--	--	--	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B	--	--	--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B	--	--	--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B	--	--	--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B	--	--	--	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B	--	--	--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B	--	--	--	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B	--	--	--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B	--	--	--	--	--	--
Total tetrachlorodibenzofuran (TCDF)	E1613B	--	--	--	--	--	--
Total pentachlorodibenzofuran (PeCDF)	E1613B	--	--	--	--	--	--
Total hexachlorodibenzofuran (HxCDF)	E1613B	--	--	--	--	--	--
Total heptachlorodibenzofuran (HpCDF)	E1613B	--	--	--	--	--	--
Total dioxin/furan TEQ 1998 (avian) (U = 0)	--	--	--	--	--	--	--
Total dioxin/furan TEQ 1998 (avian) (U = 1/2)	--	--	--	--	--	--	--
Total dioxin/furan TEQ 1998 (fish) (U = 0)	--	--	--	--	--	--	--
Total dioxin/furan TEQ 1998 (fish) (U = 1/2)	--	--	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2126	Spring Surface Sediment 2127	Spring Surface Sediment 2128	Spring Surface Sediment 2129	Spring Surface Sediment 2130	Spring Surface Sediment 2131
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.54	1.54	1.54	1.58349	1.63	1.63
Location ID		NC045SG_20120424	NC046SG_20120430	NC047SG_20120423	NC083SG_20120711	NC049SG_20120430	NC050SG_20120430
Sample ID		NC045SG-000012-20120424	NC046SG-000015-20120430	NC047SG-000008-20120423	NC083SG-000015-20120711	NC049SG-000015-20120430	NC050SG-000015-20120430
Sample Date		4/24/2012	4/30/2012	4/23/2012	7/11/2012	4/30/2012	4/30/2012
Sample Depth		0 - 12 cm	0 - 15 cm	0 - 8 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		23.7	22.5	16.5	15.2	18.8	9.2
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total dioxin/furan TEQ 2005 (mammal) (U = 0)	--	--	--	--	--	--	--
Total dioxin/furan TEQ 2005 (mammal) (U = 1/2)	--	--	--	--	--	--	--
PCB Aroclors (µg/kg)							
Aroclor 1016	SW8082A	24 U	6.9 U	7.5 U	14 U	7 U	7 U
Aroclor 1221	SW8082A	24 U	6.9 U	7.5 U	14 U	7 U	7 U
Aroclor 1232	SW8082A	24 U	6.9 U	7.5 U	14 U	7 U	7 U
Aroclor 1242	SW8082A	130	120	470 J	260	250	280
Aroclor 1248	SW8082A	24 U	6.9 U	7.5 U	14 U	7 U	7 U
Aroclor 1254	SW8082A	280	260	570 J	430	540	540
Aroclor 1260	SW8082A	24 U	6.9 U	7.5 U	14 U	7 U	7 U
Aroclor 1262	SW8082A	24 U	6.9 U	7.5 U	14 U	7 U	7 U
Aroclor 1268	SW8082A	24 U	6.9 U	7.5 U	14 U	7 U	7 U
Total PCB Aroclors (U = 0)	--	410	380	1040 J	690	790	820
Total PCB Aroclors (U = 1/2)	--	494	404.1	1066.3 J	739	814.5	844.5
PCB Congeners (ng/kg)							
PCB-001	E1668B	--	--	--	--	--	--
PCB-002	E1668B	--	--	--	--	--	--
PCB-003	E1668B	--	--	--	--	--	--
PCB-004	E1668B	--	--	--	--	--	--
PCB-005	E1668B	--	--	--	--	--	--
PCB-006	E1668B	--	--	--	--	--	--
PCB-007	E1668B	--	--	--	--	--	--
PCB-008	E1668B	--	--	--	--	--	--
PCB-009	E1668B	--	--	--	--	--	--
PCB-010	E1668B	--	--	--	--	--	--
PCB-011	E1668B	--	--	--	--	--	--
PCB-012/013	E1668B	--	--	--	--	--	--
PCB-014	E1668B	--	--	--	--	--	--
PCB-015	E1668B	--	--	--	--	--	--
PCB-016	E1668B	--	--	--	--	--	--
PCB-017	E1668B	--	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2126	Spring Surface Sediment 2127	Spring Surface Sediment 2128	Spring Surface Sediment 2129	Spring Surface Sediment 2130	Spring Surface Sediment 2131
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	1.54	1.54	1.54	1.58349	1.63	1.63
		Location ID	NC045SG_20120424	NC046SG_20120430	NC047SG_20120423	NC083SG_20120711	NC049SG_20120430	NC050SG_20120430
		Sample ID	NC045SG-000012-20120424	NC046SG-000015-20120430	NC047SG-000008-20120423	NC083SG-000015-20120711	NC049SG-000015-20120430	NC050SG-000015-20120430
		Sample Date	4/24/2012	4/30/2012	4/23/2012	7/11/2012	4/30/2012	4/30/2012
		Sample Depth	0 - 12 cm	0 - 15 cm	0 - 8 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	23.7	22.5	16.5	15.2	18.8	9.2
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-018/030	E1668B	--	--	--	--	--	--	--
PCB-019	E1668B	--	--	--	--	--	--	--
PCB-020/028	E1668B	--	--	--	--	--	--	--
PCB-021/033	E1668B	--	--	--	--	--	--	--
PCB-022	E1668B	--	--	--	--	--	--	--
PCB-023	E1668B	--	--	--	--	--	--	--
PCB-024	E1668B	--	--	--	--	--	--	--
PCB-025	E1668B	--	--	--	--	--	--	--
PCB-026/029	E1668B	--	--	--	--	--	--	--
PCB-027	E1668B	--	--	--	--	--	--	--
PCB-031	E1668B	--	--	--	--	--	--	--
PCB-032	E1668B	--	--	--	--	--	--	--
PCB-034	E1668B	--	--	--	--	--	--	--
PCB-035	E1668B	--	--	--	--	--	--	--
PCB-036	E1668B	--	--	--	--	--	--	--
PCB-037	E1668B	--	--	--	--	--	--	--
PCB-038	E1668B	--	--	--	--	--	--	--
PCB-039	E1668B	--	--	--	--	--	--	--
PCB-040/071	E1668B	--	--	--	--	--	--	--
PCB-041	E1668B	--	--	--	--	--	--	--
PCB-042	E1668B	--	--	--	--	--	--	--
PCB-043	E1668B	--	--	--	--	--	--	--
PCB-044/047/065	E1668B	--	--	--	--	--	--	--
PCB-045	E1668B	--	--	--	--	--	--	--
PCB-045/051	E1668B	--	--	--	--	--	--	--
PCB-046	E1668B	--	--	--	--	--	--	--
PCB-048	E1668B	--	--	--	--	--	--	--
PCB-049/069	E1668B	--	--	--	--	--	--	--
PCB-050/053	E1668B	--	--	--	--	--	--	--
PCB-051	E1668B	--	--	--	--	--	--	--
PCB-052	E1668B	--	--	--	--	--	--	--
PCB-054	E1668B	--	--	--	--	--	--	--
PCB-055	E1668B	--	--	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2126	Spring Surface Sediment 2127	Spring Surface Sediment 2128	Spring Surface Sediment 2129	Spring Surface Sediment 2130	Spring Surface Sediment 2131
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	1.54	1.54	1.54	1.58349	1.63	1.63
		Location ID	NC045SG_20120424	NC046SG_20120430	NC047SG_20120423	NC083SG_20120711	NC049SG_20120430	NC050SG_20120430
		Sample ID	NC045SG-000012-20120424	NC046SG-000015-20120430	NC047SG-000008-20120423	NC083SG-000015-20120711	NC049SG-000015-20120430	NC050SG-000015-20120430
		Sample Date	4/24/2012	4/30/2012	4/23/2012	7/11/2012	4/30/2012	4/30/2012
		Sample Depth	0 - 12 cm	0 - 15 cm	0 - 8 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	23.7	22.5	16.5	15.2	18.8	9.2
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-056	E1668B	--	--	--	--	--	--	--
PCB-057	E1668B	--	--	--	--	--	--	--
PCB-058	E1668B	--	--	--	--	--	--	--
PCB-059/062/075	E1668B	--	--	--	--	--	--	--
PCB-060	E1668B	--	--	--	--	--	--	--
PCB-061/070/074/076	E1668B	--	--	--	--	--	--	--
PCB-063	E1668B	--	--	--	--	--	--	--
PCB-064	E1668B	--	--	--	--	--	--	--
PCB-066	E1668B	--	--	--	--	--	--	--
PCB-067	E1668B	--	--	--	--	--	--	--
PCB-068	E1668B	--	--	--	--	--	--	--
PCB-072	E1668B	--	--	--	--	--	--	--
PCB-073	E1668B	--	--	--	--	--	--	--
PCB-077	E1668B	--	--	--	--	--	--	--
PCB-078	E1668B	--	--	--	--	--	--	--
PCB-079	E1668B	--	--	--	--	--	--	--
PCB-080	E1668B	--	--	--	--	--	--	--
PCB-081	E1668B	--	--	--	--	--	--	--
PCB-082	E1668B	--	--	--	--	--	--	--
PCB-083	E1668B	--	--	--	--	--	--	--
PCB-084	E1668B	--	--	--	--	--	--	--
PCB-085/116	E1668B	--	--	--	--	--	--	--
PCB-085/116/117	E1668B	--	--	--	--	--	--	--
PCB-086/087/097/108/119/125	E1668B	--	--	--	--	--	--	--
PCB-088	E1668B	--	--	--	--	--	--	--
PCB-088/091	E1668B	--	--	--	--	--	--	--
PCB-089	E1668B	--	--	--	--	--	--	--
PCB-090/101/113	E1668B	--	--	--	--	--	--	--
PCB-091	E1668B	--	--	--	--	--	--	--
PCB-092	E1668B	--	--	--	--	--	--	--
PCB-093/100	E1668B	--	--	--	--	--	--	--
PCB-094	E1668B	--	--	--	--	--	--	--
PCB-095	E1668B	--	--	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2126	Spring Surface Sediment 2127	Spring Surface Sediment 2128	Spring Surface Sediment 2129	Spring Surface Sediment 2130	Spring Surface Sediment 2131
Task		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
Tributary		1.54	1.54	1.54	1.58349	1.63	1.63
River Mile		NC045SG_20120424	NC046SG_20120430	NC047SG_20120423	NC083SG_20120711	NC049SG_20120430	NC050SG_20120430
Location ID		NC045SG-000012-20120424	NC046SG-000015-20120430	NC047SG-000008-20120423	NC083SG-000015-20120711	NC049SG-000015-20120430	NC050SG-000015-20120430
Sample ID		4/24/2012	4/30/2012	4/23/2012	7/11/2012	4/30/2012	4/30/2012
Sample Date		0 - 12 cm	0 - 15 cm	0 - 8 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Sample Depth		23.7	22.5	16.5	15.2	18.8	9.2
Water Column Depth		N	N	N	N	N	N
Sample Type		SE	SE	SE	SE	SE	SE
Matrix							
PCB-096	E1668B	--	--	--	--	--	--
PCB-098	E1668B	--	--	--	--	--	--
PCB-098/102	E1668B	--	--	--	--	--	--
PCB-099	E1668B	--	--	--	--	--	--
PCB-102	E1668B	--	--	--	--	--	--
PCB-103	E1668B	--	--	--	--	--	--
PCB-104	E1668B	--	--	--	--	--	--
PCB-105	E1668B	--	--	--	--	--	--
PCB-106	E1668B	--	--	--	--	--	--
PCB-107/124	E1668B	--	--	--	--	--	--
PCB-109	E1668B	--	--	--	--	--	--
PCB-110	E1668B	--	--	--	--	--	--
PCB-110/115	E1668B	--	--	--	--	--	--
PCB-111	E1668B	--	--	--	--	--	--
PCB-112	E1668B	--	--	--	--	--	--
PCB-114	E1668B	--	--	--	--	--	--
PCB-115	E1668B	--	--	--	--	--	--
PCB-117	E1668B	--	--	--	--	--	--
PCB-118	E1668B	--	--	--	--	--	--
PCB-120	E1668B	--	--	--	--	--	--
PCB-121	E1668B	--	--	--	--	--	--
PCB-122	E1668B	--	--	--	--	--	--
PCB-123	E1668B	--	--	--	--	--	--
PCB-126	E1668B	--	--	--	--	--	--
PCB-127	E1668B	--	--	--	--	--	--
PCB-128/166	E1668B	--	--	--	--	--	--
PCB-129/138/163	E1668B	--	--	--	--	--	--
PCB-130	E1668B	--	--	--	--	--	--
PCB-131	E1668B	--	--	--	--	--	--
PCB-132	E1668B	--	--	--	--	--	--
PCB-133	E1668B	--	--	--	--	--	--
PCB-134	E1668B	--	--	--	--	--	--
PCB-135/151	E1668B	--	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2126	Spring Surface Sediment 2127	Spring Surface Sediment 2128	Spring Surface Sediment 2129	Spring Surface Sediment 2130	Spring Surface Sediment 2131
Task		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
Tributary		1.54	1.54	1.54	1.58349	1.63	1.63
River Mile		NC045SG_20120424	NC046SG_20120430	NC047SG_20120423	NC083SG_20120711	NC049SG_20120430	NC050SG_20120430
Location ID		NC045SG-000012-20120424	NC046SG-000015-20120430	NC047SG-000008-20120423	NC083SG-000015-20120711	NC049SG-000015-20120430	NC050SG-000015-20120430
Sample ID		4/24/2012	4/30/2012	4/23/2012	7/11/2012	4/30/2012	4/30/2012
Sample Date		0 - 12 cm	0 - 15 cm	0 - 8 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Sample Depth		23.7	22.5	16.5	15.2	18.8	9.2
Water Column Depth		N	N	N	N	N	N
Sample Type		SE	SE	SE	SE	SE	SE
Matrix							
PCB-136	E1668B	--	--	--	--	--	--
PCB-137	E1668B	--	--	--	--	--	--
PCB-139/140	E1668B	--	--	--	--	--	--
PCB-141	E1668B	--	--	--	--	--	--
PCB-142	E1668B	--	--	--	--	--	--
PCB-143	E1668B	--	--	--	--	--	--
PCB-144	E1668B	--	--	--	--	--	--
PCB-145	E1668B	--	--	--	--	--	--
PCB-146	E1668B	--	--	--	--	--	--
PCB-147/149	E1668B	--	--	--	--	--	--
PCB-148	E1668B	--	--	--	--	--	--
PCB-150	E1668B	--	--	--	--	--	--
PCB-152	E1668B	--	--	--	--	--	--
PCB-153/168	E1668B	--	--	--	--	--	--
PCB-154	E1668B	--	--	--	--	--	--
PCB-155	E1668B	--	--	--	--	--	--
PCB-156/157	E1668B	--	--	--	--	--	--
PCB-158	E1668B	--	--	--	--	--	--
PCB-159	E1668B	--	--	--	--	--	--
PCB-160	E1668B	--	--	--	--	--	--
PCB-161	E1668B	--	--	--	--	--	--
PCB-162	E1668B	--	--	--	--	--	--
PCB-164	E1668B	--	--	--	--	--	--
PCB-165	E1668B	--	--	--	--	--	--
PCB-167	E1668B	--	--	--	--	--	--
PCB-169	E1668B	--	--	--	--	--	--
PCB-170	E1668B	--	--	--	--	--	--
PCB-171/173	E1668B	--	--	--	--	--	--
PCB-172	E1668B	--	--	--	--	--	--
PCB-174	E1668B	--	--	--	--	--	--
PCB-175	E1668B	--	--	--	--	--	--
PCB-176	E1668B	--	--	--	--	--	--
PCB-177	E1668B	--	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2126	Spring Surface Sediment 2127	Spring Surface Sediment 2128	Spring Surface Sediment 2129	Spring Surface Sediment 2130	Spring Surface Sediment 2131
Task		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
Tributary		1.54	1.54	1.54	1.58349	1.63	1.63
River Mile		NC045SG_20120424	NC046SG_20120430	NC047SG_20120423	NC083SG_20120711	NC049SG_20120430	NC050SG_20120430
Location ID		NC045SG-000012-20120424	NC046SG-000015-20120430	NC047SG-000008-20120423	NC083SG-000015-20120711	NC049SG-000015-20120430	NC050SG-000015-20120430
Sample ID		4/24/2012	4/30/2012	4/23/2012	7/11/2012	4/30/2012	4/30/2012
Sample Date		0 - 12 cm	0 - 15 cm	0 - 8 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Sample Depth		23.7	22.5	16.5	15.2	18.8	9.2
Water Column Depth		N	N	N	N	N	N
Sample Type		SE	SE	SE	SE	SE	SE
Matrix							
PCB-178	E1668B	--	--	--	--	--	--
PCB-179	E1668B	--	--	--	--	--	--
PCB-180/193	E1668B	--	--	--	--	--	--
PCB-181	E1668B	--	--	--	--	--	--
PCB-182	E1668B	--	--	--	--	--	--
PCB-183	E1668B	--	--	--	--	--	--
PCB-183/185	E1668B	--	--	--	--	--	--
PCB-184	E1668B	--	--	--	--	--	--
PCB-185	E1668B	--	--	--	--	--	--
PCB-186	E1668B	--	--	--	--	--	--
PCB-187	E1668B	--	--	--	--	--	--
PCB-188	E1668B	--	--	--	--	--	--
PCB-189	E1668B	--	--	--	--	--	--
PCB-190	E1668B	--	--	--	--	--	--
PCB-191	E1668B	--	--	--	--	--	--
PCB-192	E1668B	--	--	--	--	--	--
PCB-194	E1668B	--	--	--	--	--	--
PCB-195	E1668B	--	--	--	--	--	--
PCB-196	E1668B	--	--	--	--	--	--
PCB-197	E1668B	--	--	--	--	--	--
PCB-197/200	E1668B	--	--	--	--	--	--
PCB-198/199	E1668B	--	--	--	--	--	--
PCB-200	E1668B	--	--	--	--	--	--
PCB-201	E1668B	--	--	--	--	--	--
PCB-202	E1668B	--	--	--	--	--	--
PCB-203	E1668B	--	--	--	--	--	--
PCB-204	E1668B	--	--	--	--	--	--
PCB-205	E1668B	--	--	--	--	--	--
PCB-206	E1668B	--	--	--	--	--	--
PCB-207	E1668B	--	--	--	--	--	--
PCB-208	E1668B	--	--	--	--	--	--
PCB-209	E1668B	--	--	--	--	--	--
Total PCB congener (U = 0)	--	--	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2126	Spring Surface Sediment 2127	Spring Surface Sediment 2128	Spring Surface Sediment 2129	Spring Surface Sediment 2130	Spring Surface Sediment 2131
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.54	1.54	1.54	1.58349	1.63	1.63
Location ID		NC045SG_20120424	NC046SG_20120430	NC047SG_20120423	NC083SG_20120711	NC049SG_20120430	NC050SG_20120430
Sample ID		NC045SG-000012-20120424	NC046SG-000015-20120430	NC047SG-000008-20120423	NC083SG-000015-20120711	NC049SG-000015-20120430	NC050SG-000015-20120430
Sample Date		4/24/2012	4/30/2012	4/23/2012	7/11/2012	4/30/2012	4/30/2012
Sample Depth		0 - 12 cm	0 - 15 cm	0 - 8 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		23.7	22.5	16.5	15.2	18.8	9.2
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total PCB congener (U = 1/2)	--	--	--	--	--	--	--
Total PCB congener TEQ 1998 (avian) (U = 0)	--	--	--	--	--	--	--
Total PCB congener TEQ 1998 (avian) (U = 1/2)	--	--	--	--	--	--	--
Total PCB congener TEQ 1998 (fish) (U = 0)	--	--	--	--	--	--	--
Total PCB congener TEQ 1998 (fish) (U = 1/2)	--	--	--	--	--	--	--
Total PCB congener TEQ 2005 (mammal) (U = 0)	--	--	--	--	--	--	--
Total PCB congener TEQ 2005 (mammal) (U = 1/2)	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (mg/kg)							
Diesel range organics (C10 - C28)	SW8015M	2120	2920	2750	3360	4210	5520
Phytane	SW8015M	1.19 J	1.38 J	1.08 J	1.42 J	1.91 J	3.04
Pristane	SW8015M	1.33 J	1.88	1.72	1.59 J	3.1	4.17
Total petroleum hydrocarbons (C9-C40)	SW8015M	4110	5320	5040	5940	7660	9080
Radionuclides (pci/g)							
Beryllium 7	HASL300	--	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2132	Spring Surface Sediment 2133	Spring Surface Sediment 2134	Spring Surface Sediment 2135	Spring Surface Sediment 2136	Spring Surface Sediment 2137
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.64	1.64	1.72	1.72	1.72	1.82
Location ID		NC048SG_20120424	NC048SG_20120424	NC051SG_20120430	NC052SG_20120430	NC053SG_20120430	NC054SG_20120430
Sample ID		NC048SG-000003-20120424	NC048SG-000012-20120424	NC051SG-000015-20120430	NC052SG-000015-20120430	NC053SG-000015-20120430	NC054SG-000003-20120430
Sample Date		4/24/2012	4/24/2012	4/30/2012	4/30/2012	4/30/2012	4/30/2012
Sample Depth		0 - 3 cm	0 - 12 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm
Water Column Depth		19.4	19.4	14.8	18.2	15.4	17.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Conventional Parameters (lb/ft³)							
Density	D7263	--	29.7	21.5	27.9	20.2	--
Conventional Parameters (mg/kg)							
Ammonia as nitrogen	SM4500NH3H	--	22 U	28 U	42	28 U	--
Cyanide, total	SW9012A	--	2.9 U	3.4 U	3.5 U	3.6 U	--
Nitrate + nitrite as nitrogen	SM4500NO3F	--	7.2 U	9.1 U	9.1 U	9.8 U	--
Nitrogen ((No Suggestions))	SM4500NORGC	--	2000 J	3700	3400	2600	--
Phosphorus	SM4500PE	--	1100 J	1800	1300	1800	--
Sulfide	SW9030B	--	3400 J	2500	4100	3900	--
Conventional Parameters (pct)							
Moisture (water) content	D2216	--	170.1	--	--	--	--
Moisture, percent	D2216	--	65.7	--	--	--	--
Soot carbon	SOOTC	--	0.569 J	0.27	0.556	0.18	--
Total organic carbon	SW9060	--	3.475 J	3.05 J	3.115 J	3.71 J	--
Total solids	SM2540G	--	33.7	27.2	27.6	25.7	--
Conventional Parameters (SU)							
pH	SW9045C	--	7.8	7.9	8.1	8	--
Conventional Parameters (unitless)							
Liquid limit	D4318	--	122	--	--	--	--
Plastic limit	D4318	--	43	--	--	--	--
Plasticity index	D4318	--	79	--	--	--	--
Specific gravity	D854	--	2.52	--	--	--	--
Grain Size (pct)							
Cobbles	D422	--	0	0	0	0	--
Gravel	D422	--	8.8	0.2	0	0.1	--
Sand	D422	--	22.5	3.4	1.1	2	--
Fines (silt + clay)	D422	--	68.7	96.4	98.9	97.9	--
Percent passing 0.375 inch (3/8 inch sieve)	D422	--	94	100	100	100	--
Percent passing 0.5 inch (1/2 inch sieve)	D422	--	94	--	--	--	--
Percent passing 0.75 inch (3/4 inch sieve)	D422	--	100	--	--	--	--
Percent passing 1 inch (1 inch sieve)	D422	--	--	--	--	--	--
Percent passing 75 micron sieve (#200)	D422	--	69	96	99	98	--
Percent passing 150 micron sieve (#100)	D422	--	70	97	99	99	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2132	Spring Surface Sediment 2133	Spring Surface Sediment 2134	Spring Surface Sediment 2135	Spring Surface Sediment 2136	Spring Surface Sediment 2137
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.64	1.64	1.72	1.72	1.72	1.82
Location ID		NC048SG_20120424	NC048SG_20120424	NC051SG_20120430	NC052SG_20120430	NC053SG_20120430	NC054SG_20120430
Sample ID		NC048SG-000003-20120424	NC048SG-000012-20120424	NC051SG-000015-20120430	NC052SG-000015-20120430	NC053SG-000015-20120430	NC054SG-000003-20120430
Sample Date		4/24/2012	4/24/2012	4/30/2012	4/30/2012	4/30/2012	4/30/2012
Sample Depth		0 - 3 cm	0 - 12 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm
Water Column Depth		19.4	19.4	14.8	18.2	15.4	17.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Percent passing 250 micron sieve (#60)	D422	--	72	98	100	99	--
Percent passing 425 micron sieve (#40)	D422	--	75	98	100	100	--
Percent passing 850 micron sieve (#20)	D422	--	79	99	100	100	--
Percent passing 2000 micron sieve (#10)	D422	--	85	99	100	100	--
Percent passing 4750 micron sieve (#4)	D422	--	91	100	100	100	--
Metals (mg/kg)							
Aluminum	SW6020A	--	13800 J	13900	14300	15200	--
Antimony	SW6020A	--	0.981 J	1.06 J	0.994 J	1.18 J	--
Arsenic	SW6020A	--	47.8	16.5	15.4	16.3	--
Barium	SW6020A	--	133	94.8	96.8	108	--
Beryllium	SW6020A	--	0.88	0.852	0.796	0.896	--
Cadmium	SW6020A	--	25.5	5.08	5.49	5.76	--
Calcium	SW6020A	--	17600 J	10000	9100	10300	--
Chromium	SW6020A	--	98.8	93.4	106	104	--
Cobalt	SW6020A	--	9.91	10.8	10.8	11.6	--
Copper	SW6020A	--	503 J	351	391	401	--
Iron	SW6020A	--	34600 J	31000	30800	32900	--
Lead	SW6020A	--	3140	208	219	230	--
Magnesium	SW6020A	--	9780 J	11400	10800	12300	--
Manganese	SW6020A	--	377	374	368	400	--
Mercury	E1631M	--	1.28	1.21	1.29	1.31	--
Nickel	SW6020A	--	76.5	55.9	59.3	57.8	--
Potassium	SW6020A	--	3460 J	3660 J	3660 J	3840 J	--
Selenium	SW6020A	--	3.5	2.5 J	2.62 J	2.67 J	--
Silver	SW6020A	--	5.48 J	4.79	5.43	6.02	--
Sodium	SW6020A	--	16200 J	22600 J	21900 J	23600 J	--
Thallium	SW6020A	--	0.361	0.295	0.288	0.303	--
Tin	SW6020A	--	30.2	21.2	23	24.2	--
Vanadium	SW6020A	--	45.6	41.7	39.3	41.4	--
Zinc	SW6020A	--	9390	591 J	609 J	624 J	--
Organometallic Compounds (µg/kg)							
Methyl mercury	E1630M	--	0.311	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2132	Spring Surface Sediment 2133	Spring Surface Sediment 2134	Spring Surface Sediment 2135	Spring Surface Sediment 2136	Spring Surface Sediment 2137
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.64	1.64	1.72	1.72	1.72	1.82
Location ID		NC048SG_20120424	NC048SG_20120424	NC051SG_20120430	NC052SG_20120430	NC053SG_20120430	NC054SG_20120430
Sample ID		NC048SG-000003-20120424	NC048SG-000012-20120424	NC051SG-000015-20120430	NC052SG-000015-20120430	NC053SG-000015-20120430	NC054SG-000003-20120430
Sample Date		4/24/2012	4/24/2012	4/30/2012	4/30/2012	4/30/2012	4/30/2012
Sample Depth		0 - 3 cm	0 - 12 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm
Water Column Depth		19.4	19.4	14.8	18.2	15.4	17.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Volatile Organics (µg/kg)							
1,1,1-Trichloroethane	SW8260B	--	3 U	3.5 U	3.6 U	4 U	--
1,1,2,2-Tetrachloroethane	SW8260B	--	3 U	3.5 U	3.6 U	4 U	--
1,1,2-Trichloroethane	SW8260B	--	4.4 U	5.2 U	5.4 U	6 U	--
1,1,2-Trichlorotrifluoroethane	SW8260B	--	59 U	69 U	72 U	79 U	--
1,1-Dichloroethane	SW8260B	--	4.4 U	5.2 U	5.4 U	6 U	--
1,1-Dichloroethene	SW8260B	--	3 U	3.5 U	3.6 U	4 U	--
1,2,3-Trichlorobenzene	SW8260B	--	15 U	17 U	18 U	20 U	--
1,2,4-Trichlorobenzene	SW8260B	--	15 U	17 U	18 U	20 U	--
1,2-Dibromo-3-chloropropane	SW8260B	--	15 U	17 U	18 U	20 U	--
1,2-Dichlorobenzene	SW8260B	--	15 U	17 U	18 U	20 U	--
1,2-Dichloroethane	SW8260B	--	3 U	3.5 U	3.6 U	4 U	--
1,2-Dichloroethene, cis-	SW8260B	--	3 U	3.5 U	3.6 U	4 U	--
1,2-Dichloroethene, trans-	SW8260B	--	4.4 U	5.2 U	5.4 U	6 U	--
1,2-Dichloropropane	SW8260B	--	10 U	12 U	13 U	14 U	--
1,3-Dichlorobenzene	SW8260B	--	15 U	17 U	18 U	20 U	--
1,3-Dichloropropene, cis-	SW8260B	--	3 U	3.5 U	3.6 U	4 U	--
1,3-Dichloropropene, trans-	SW8260B	--	3 U	3.5 U	3.6 U	4 U	--
1,4-Dichlorobenzene	SW8260B	--	15 U	17 U	18 U	20 U	--
2-Butanone (MEK)	SW8260B	--	26 J	88	88	160	--
2-Hexanone (methyl butyl ketone)	SW8260B	--	30 U	35 U	36 U	40 U	--
Acetone	SW8260B	--	150	510	520	930	--
Benzene	SW8260B	--	3 U	3.5 U	3.6 U	4 U	--
Bromochloromethane	SW8260B	--	15 U	17 U	18 U	20 U	--
Bromodichloromethane	SW8260B	--	3 U	3.5 U	3.6 U	4 U	--
Bromoform (tribromomethane)	SW8260B	--	12 U	14 U	14 U	16 U	--
Bromomethane (methyl bromide)	SW8260B	--	5.9 U	6.9 U	7.2 U	7.9 U	--
Carbon disulfide	SW8260B	--	16 J	20 J	34 J	31 J	--
Carbon tetrachloride (tetrachloromethane)	SW8260B	--	3 U	3.5 U	3.6 U	4 U	--
Chlorobenzene	SW8260B	--	3 U	3.5 U	3.6 U	4 U	--
Chloroethane	SW8260B	--	5.9 U	6.9 U	7.2 U	7.9 U	--
Chloroform	SW8260B	--	4.4 U	5.2 U	5.4 U	6 U	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2132	Spring Surface Sediment 2133	Spring Surface Sediment 2134	Spring Surface Sediment 2135	Spring Surface Sediment 2136	Spring Surface Sediment 2137
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.64	1.64	1.72	1.72	1.72	1.82
Location ID		NC048SG_20120424	NC048SG_20120424	NC051SG_20120430	NC052SG_20120430	NC053SG_20120430	NC054SG_20120430
Sample ID		NC048SG-000003-20120424	NC048SG-000012-20120424	NC051SG-000015-20120430	NC052SG-000015-20120430	NC053SG-000015-20120430	NC054SG-000003-20120430
Sample Date		4/24/2012	4/24/2012	4/30/2012	4/30/2012	4/30/2012	4/30/2012
Sample Depth		0 - 3 cm	0 - 12 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm
Water Column Depth		19.4	19.4	14.8	18.2	15.4	17.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Chloromethane	SW8260B	--	15 U	17 U	18 U	20 U	--
Cyclohexane	SW8260B	--	59 U	69 U	72 U	79 U	--
Dibromochloromethane	SW8260B	--	3 U	3.5 U	3.6 U	4 U	--
Dichlorodifluoromethane	SW8260B	--	30 U	35 U	36 U	40 U	--
Dichloromethane (methylene chloride)	SW8260B	--	30 U	35 U	36 U	40 U	--
Ethylbenzene	SW8260B	--	3 U	3.5 U	3.6 U	4 U	--
Ethylene dibromide (1,2-Dibromoethane)	SW8260B	--	12 U	14 U	14 U	16 U	--
Isopropylbenzene (cumene)	SW8260B	--	3 U	3.5 U	3.6 U	4 U	--
m,p-Xylene	SW8260B	--	5.9 U	6.9 U	7.2 U	7.9 U	--
Methyl acetate	SW8260B	--	59 U	69 U	72 U	79 U	--
Methyl isobutyl ketone (4-methyl-2-pentanone [MIBK])	SW8260B	--	30 U	35 U	36 U	40 U	--
Methyl tert-butyl ether (MTBE)	SW8260B	--	5.9 U	6.9 U	7.2 U	7.9 U	--
Methylcyclohexane	SW8260B	--	12 U	14 U	14 U	16 U	--
o-Xylene	SW8260B	--	5.9 U	6.9 U	7.2 U	7.9 U	--
Styrene	SW8260B	--	5.9 U	6.9 U	7.2 U	7.9 U	--
Tetrachloroethene (PCE)	SW8260B	--	3 U	3.5 U	3.6 U	4 U	--
Toluene	SW8260B	--	4.4 U	5.2 U	5.4 U	6 U	--
Total BTEX (U = 0)	--	--	5.9 U	6.9 U	7.2 U	7.9 U	--
Total BTEX (U = 1/2)	--	--	5.9 U	6.9 U	7.2 U	7.9 U	--
Total xylene (U = 0)	--	--	5.9 U	6.9 U	7.2 U	7.9 U	--
Total xylene (U = 1/2)	--	--	5.9 U	6.9 U	7.2 U	7.9 U	--
Trichloroethene (TCE)	SW8260B	--	3 U	3.5 U	3.6 U	4 U	--
Trichlorofluoromethane (fluorotrichloromethane)	SW8260B	--	15 U	17 U	18 U	20 U	--
Vinyl acetate	SW8260B	--	30 U	35 U	36 U	40 U	--
Vinyl chloride	SW8260B	--	5.9 U	6.9 U	7.2 U	7.9 U	--
Semivolatile Organics (µg/kg)							
1,2,4,5-Tetrachlorobenzene	SW8270C	--	950 U	490 U	460 U	490 U	--
1,4-Dioxane	SW8270C	--	1900 U	990 U	930 U	980 U	--
2,3,4,6-Tetrachlorophenol	SW8270C	--	950 U	490 U	460 U	490 U	--
2,4,5-Trichlorophenol	SW8270C	--	950 U	490 U	460 U	490 U	--
2,4,6-Trichlorophenol	SW8270C	--	950 U	490 U	460 U	490 U	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2132	Spring Surface Sediment 2133	Spring Surface Sediment 2134	Spring Surface Sediment 2135	Spring Surface Sediment 2136	Spring Surface Sediment 2137
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.64	1.64	1.72	1.72	1.72	1.82
Location ID		NC048SG_20120424	NC048SG_20120424	NC051SG_20120430	NC052SG_20120430	NC053SG_20120430	NC054SG_20120430
Sample ID		NC048SG-000003-20120424	NC048SG-000012-20120424	NC051SG-000015-20120430	NC052SG-000015-20120430	NC053SG-000015-20120430	NC054SG-000003-20120430
Sample Date		4/24/2012	4/24/2012	4/30/2012	4/30/2012	4/30/2012	4/30/2012
Sample Depth		0 - 3 cm	0 - 12 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm
Water Column Depth		19.4	19.4	14.8	18.2	15.4	17.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
2,4-Dichlorophenol	SW8270C	--	190 U	100 U	93 U	99 U	--
2,4-Dimethylphenol	SW8270C	--	950 U	490 U	460 U	490 U	--
2,4-Dinitrophenol	SW8270C	--	4900 U	2500 U	2400 U	2500 U	--
2,4-Dinitrotoluene	SW8270C	--	950 U	490 U	460 U	490 U	--
2,6-Dinitrotoluene	SW8270C	--	950 U	490 U	460 U	490 U	--
2-Chloronaphthalene	SW8270C	--	190 U	100 U	93 U	99 U	--
2-Chlorophenol	SW8270C	--	950 U	490 U	460 U	490 U	--
2-Methylnaphthalene	SW8270C	--	280	170	140	140	--
2-Methylphenol (o-Cresol)	SW8270C	--	950 U	490 U	460 U	490 U	--
2-Nitroaniline	SW8270C	--	4900 U	2500 U	2400 U	2500 U	--
2-Nitrophenol	SW8270C	--	950 U	490 U	460 U	490 U	--
3,3'-Dichlorobenzidine	SW8270C	--	950 U	490 UJ	460 UJ	490 UJ	--
3-methylphenol and 4-methylphenol (m&p-cresol)	SW8270C	--	950 U	490 U	45 J	74 J	--
3-Nitroaniline	SW8270C	--	4900 U	2500 U	2400 U	2500 U	--
4-Bromophenyl-phenyl ether	SW8270C	--	950 U	490 U	460 U	490 U	--
4-Chloro-3-methylphenol	SW8270C	--	950 U	490 U	460 U	490 U	--
4-Chloroaniline	SW8270C	--	190 J	160 J	150 J	240 J	--
4-Chlorophenyl phenyl ether	SW8270C	--	950 U	490 U	460 U	490 U	--
4-Nitroaniline	SW8270C	--	4900 U	2500 U	2400 U	2500 U	--
4-Nitrophenol	SW8270C	--	4900 U	2500 U	2400 U	2500 U	--
Acenaphthene	SW8270C	--	150 J	110	75 J	87 J	--
Acenaphthylene	SW8270C	--	330	230	190	200	--
Acetophenone	SW8270C	--	950 U	57 J	48 J	490 U	--
Anthracene	SW8270C	--	600	410	300	340	--
Atrazine	SW8270C	--	950 U	490 UJ	460 UJ	490 UJ	--
Benzaldehyde	SW8270C	--	630 J	200 J	170 J	130 J	--
Benzo(a)anthracene	SW8270C	--	2500 J	1400	1000	1100	--
Benzo(a)pyrene	SW8270C	--	2600 J	1700	1300	1600	--
Benzo(b)fluoranthene	SW8270C	--	2800 J	1700	1300	1500	--
Benzo(g,h,i)perylene	SW8270C	--	1600 J	1300	1000	1300	--
Benzo(k)fluoranthene	SW8270C	--	1200 J	730	540	700	--
Biphenyl (1,1'-Biphenyl)	SW8270C	--	950 U	60 J	54 J	44 J	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2132	Spring Surface Sediment 2133	Spring Surface Sediment 2134	Spring Surface Sediment 2135	Spring Surface Sediment 2136	Spring Surface Sediment 2137
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	1.64	1.64	1.72	1.72	1.72	1.82
		Location ID	NC048SG_20120424	NC048SG_20120424	NC051SG_20120430	NC052SG_20120430	NC053SG_20120430	NC054SG_20120430
		Sample ID	NC048SG-000003-20120424	NC048SG-000012-20120424	NC051SG-000015-20120430	NC052SG-000015-20120430	NC053SG-000015-20120430	NC054SG-000003-20120430
		Sample Date	4/24/2012	4/24/2012	4/30/2012	4/30/2012	4/30/2012	4/30/2012
		Sample Depth	0 - 3 cm	0 - 12 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm
		Water Column Depth	19.4	19.4	14.8	18.2	15.4	17.7
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
bis(2-Chloroethoxy)methane	SW8270C	--	--	950 U	490 U	460 U	490 U	--
bis(2-Chloroethyl)ether	SW8270C	--	--	190 U	100 U	93 U	99 U	--
bis(2-Chloroisopropyl)ether	SW8270C	--	--	190 U	100 U	93 U	99 U	--
Bis(2-ethylhexyl)phthalate	SW8270C	--	--	10000 J	10000	8000	8800	--
Butylbenzyl phthalate	SW8270C	--	--	310 J	540	160 J	410 J	--
Caprolactam	SW8270C	--	--	4900 UJ	2500 U	2400 U	2500 U	--
Carbazole	SW8270C	--	--	220	120	100	130	--
Chrysene	SW8270C	--	--	2700	1700	1200	1500	--
Dibenzo(a,h)anthracene	SW8270C	--	--	820 J	310	250	310	--
Dibenzofuran	SW8270C	--	--	170 J	91 J	65 J	94 J	--
Diethyl phthalate	SW8270C	--	--	950 U	490 U	460 U	490 U	--
Dimethyl phthalate	SW8270C	--	--	950 U	490 U	460 U	490 U	--
Di-n-butyl phthalate	SW8270C	--	--	120 J	170 J	150 J	180 J	--
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)	SW8270C	--	--	4900 UJ	2500 U	2400 U	2500 U	--
Di-n-octyl phthalate	SW8270C	--	--	950 U	260 J	460 U	130 J	--
Fluoranthene	SW8270C	--	--	3900	2100	1400	1800	--
Fluorene	SW8270C	--	--	170 J	130	99	96 J	--
Hexachlorobenzene	SW8270C	--	--	190 U	100 U	93 U	99 U	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270C	--	--	190 U	100 U	93 U	99 U	--
Hexachlorocyclopentadiene	SW8270C	--	--	950 U	490 U	460 U	490 U	--
Hexachloroethane	SW8270C	--	--	950 U	490 U	460 U	490 U	--
Indeno(1,2,3-c,d)pyrene	SW8270C	--	--	1700 J	980	800	940	--
Isophorone	SW8270C	--	--	950 U	490 U	460 U	490 U	--
Naphthalene	SW8270C	--	--	410	270	210	210	--
Nitrobenzene	SW8270C	--	--	1900 U	990 U	930 U	980 U	--
N-Nitrosodi-N-propylamine	SW8270C	--	--	190 U	100 U	93 U	99 U	--
N-Nitrosodiphenylamine	SW8270C	--	--	950 U	490 U	460 U	490 U	--
Pentachlorophenol	SW8270C	--	--	950 U	490 U	460 U	490 U	--
Phenanthrene	SW8270C	--	--	1500	900	700	740	--
Phenol	SW8270C	--	--	190 U	100 U	93 U	490	--
Pyrene	SW8270C	--	--	4200 J	2900	2100	2500	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2132	Spring Surface Sediment 2133	Spring Surface Sediment 2134	Spring Surface Sediment 2135	Spring Surface Sediment 2136	Spring Surface Sediment 2137
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.64	1.64	1.72	1.72	1.72	1.82
Location ID		NC048SG_20120424	NC048SG_20120424	NC051SG_20120430	NC052SG_20120430	NC053SG_20120430	NC054SG_20120430
Sample ID		NC048SG-000003-20120424	NC048SG-000012-20120424	NC051SG-000015-20120430	NC052SG-000015-20120430	NC053SG-000015-20120430	NC054SG-000003-20120430
Sample Date		4/24/2012	4/24/2012	4/30/2012	4/30/2012	4/30/2012	4/30/2012
Sample Depth		0 - 3 cm	0 - 12 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm
Water Column Depth		19.4	19.4	14.8	18.2	15.4	17.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total cresol (o,m,p) (U = 0)	--	--	950 U	490 U	45 J	74 J	--
Total cresol (o,m,p) (U = 1/2)	--	--	950 U	490 U	275 J	319 J	--
Polycyclic Aromatic Hydrocarbons (µg/kg)							
1,6,7-Trimethylnaphthalene	SW8270CMSIM	--	93.8	65.2	57.5	66.2	--
1-Methyldibenzothiophene	SW8270CMSIM	--	36.7	39 J	44.1	45.2 J	--
1-Methylnaphthalene	SW8270CMSIM	--	154	103	115	108	--
1-Methylphenanthrene	SW8270CMSIM	--	206	194	206	214	--
2,6-Dimethylnaphthalene	SW8270CMSIM	--	324	203	238	240	--
2-Methylantracene	SW8270CMSIM	--	213	166	181	216	--
2-Methyldibenzothiophene and 3-methyldibenzothiophene	SW8270CMSIM	--	165	85.2	96	108	--
2-Methylnaphthalene	SW8270CMSIM	--	405	269	310	306	--
2-Methylphenanthrene	SW8270CMSIM	--	264	250	271	264	--
4-Methyldibenzothiophene	SW8270CMSIM	--	96.6	89	99.8	106	--
4-Methylphenanthrene and 9-methylphenanthrene	SW8270CMSIM	--	304	254	271	302	--
Acenaphthene	SW8270CMSIM	--	142	148	123	128	--
Acenaphthylene	SW8270CMSIM	--	386	188	222	240	--
Anthracene	SW8270CMSIM	--	665	531	527	618	--
Benzo(a)anthracene	SW8270CMSIM	--	1610	1670	1700	1980	--
Benzo(a)pyrene	SW8270CMSIM	--	2480	2090	2330	2780	--
Benzo(b)fluoranthene	SW8270CMSIM	--	2410	2340	2500	2990	--
Benzo(e)pyrene	SW8270CMSIM	--	2150	1960	2340	2770	--
Benzo(g,h,i)perylene	SW8270CMSIM	--	1750	1600	1780	2140	--
Benzo(j,k)fluoranthene	SW8270CMSIM	--	2030	1750	1920	1710	--
Benzonaphthothiophene	SW8270CMSIM	--	653	788	860	963	--
Benzothiophene	SW8270CMSIM	--	24 J	16.1 J	18.4 J	17.5 J	--
Carbazole	SW8270CMSIM	--	137	184	152	163	--
Chrysene	SW8270CMSIM	--	1990	1920	1990	2210	--
Decalin, cis and trans-	SW8270CMSIM	--	31.1	39.4	35.9	43.2	--
Dibenzo(a,h)anthracene and dibenzo(a,c)anthracene	SW8270CMSIM	--	531	536	629	760	--
Dibenzothiophene	SW8270CMSIM	--	135	130	132	139	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2132	Spring Surface Sediment 2133	Spring Surface Sediment 2134	Spring Surface Sediment 2135	Spring Surface Sediment 2136	Spring Surface Sediment 2137
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.64	1.64	1.72	1.72	1.72	1.82
Location ID		NC048SG_20120424	NC048SG_20120424	NC051SG_20120430	NC052SG_20120430	NC053SG_20120430	NC054SG_20120430
Sample ID		NC048SG-000003-20120424	NC048SG-000012-20120424	NC051SG-000015-20120430	NC052SG-000015-20120430	NC053SG-000015-20120430	NC054SG-000003-20120430
Sample Date		4/24/2012	4/24/2012	4/30/2012	4/30/2012	4/30/2012	4/30/2012
Sample Depth		0 - 3 cm	0 - 12 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm
Water Column Depth		19.4	19.4	14.8	18.2	15.4	17.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Fluoranthene	SW8270CMSIM	--	2310	3830	3340	3860	--
Fluorene	SW8270CMSIM	--	159	180	155	157	--
Indeno(1,2,3-c,d)pyrene	SW8270CMSIM	--	1660	1480	1560	1770	--
Naphthalene	SW8270CMSIM	--	544	362	399	432	--
Perylene	SW8270CMSIM	--	733	682	709	763	--
Phenanthrene	SW8270CMSIM	--	1140	1440	1270	1360	--
Pyrene	SW8270CMSIM	--	5060	4750	5110	5280	--
Retene	SW8270CMSIM	--	29.4 U	43.3 U	38.8 U	45.5 U	--
Total benzofluoranthenes (U = 0)	--	--	4440	4090	4420	4700	--
Total benzofluoranthenes (U = 1/2)	--	--	4440	4090	4420	4700	--
Total cPAH TEQ (USEPA 1993) (U = 0)	--	--	3601.29	3194.42	3556.19	4233.31	--
Total cPAH TEQ (USEPA 1993) (U = 1/2)	--	--	3601.29	3194.42	3556.19	4233.31	--
Total HPAH (9 of 16) (U = 0)	--	--	21831	21966	22859	25480	--
Total HPAH (9 of 16) (U = 1/2)	--	--	21831	21966	22859	25480	--
Total LPAH (7 of 16) (U = 0)	--	--	3441	3118	3006	3241	--
Total LPAH (7 of 16) (U = 1/2)	--	--	3441	3118	3006	3241	--
Total PAH (16) (U = 0)	--	--	25272	25084	25865	28721	--
Total PAH (16) (U = 1/2)	--	--	25272	25084	25865	28721	--
Alkylated Polycyclic Aromatic Hydrocarbons (µg/kg)							
C1-Benzo(a)anthracenes/chrysenes	SW8270CMSIM	--	2910	2050	2680	3460	--
C1-Benzo(b)thiophenes	SW8270CMSIM	--	56.2	50.8	37.8 J	48.1	--
C1-Decalins	SW8270CMSIM	--	369	254	299	318	--
C1-Dibenzothiophenes	SW8270CMSIM	--	342	244	279	311	--
C1-Fluoranthenes/Pyrenes	SW8270CMSIM	--	3830	3590	4160	4510	--
C1-Fluorenes	SW8270CMSIM	--	231	156	180	168	--
C1-Naphthalenes	SW8270CMSIM	--	350	220	254	247	--
C1-Phenanthrenes/Anthracenes	SW8270CMSIM	--	1250	1050	1140	1210	--
C2-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	--	3440	1910	2750	3830	--
C2-Benzo(b)thiophenes	SW8270CMSIM	--	86.3	40.5 J	48.3	48.4	--
C2-Decalins	SW8270CMSIM	--	2260	883	1130	1090	--
C2-Dibenzothiophenes	SW8270CMSIM	--	754	771	812	926	--
C2-Fluorenes	SW8270CMSIM	--	681	584	634	756	--
C2-Naphthalenes	SW8270CMSIM	--	473	276	316	319	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2132	Spring Surface Sediment 2133	Spring Surface Sediment 2134	Spring Surface Sediment 2135	Spring Surface Sediment 2136	Spring Surface Sediment 2137
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.64	1.64	1.72	1.72	1.72	1.82
Location ID		NC048SG_20120424	NC048SG_20120424	NC051SG_20120430	NC052SG_20120430	NC053SG_20120430	NC054SG_20120430
Sample ID		NC048SG-000003-20120424	NC048SG-000012-20120424	NC051SG-000015-20120430	NC052SG-000015-20120430	NC053SG-000015-20120430	NC054SG-000003-20120430
Sample Date		4/24/2012	4/24/2012	4/30/2012	4/30/2012	4/30/2012	4/30/2012
Sample Depth		0 - 3 cm	0 - 12 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm
Water Column Depth		19.4	19.4	14.8	18.2	15.4	17.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
C2-Phenanthrenes/Anthracenes	SW8270CMSIM	--	1880	1460	1580	1920	--
C3-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	--	3030	1770	2340	3490	--
C3-Benzo(b)thiophenes	SW8270CMSIM	--	241	102	119	113	--
C3-Decalins	SW8270CMSIM	--	2420	874	1150	1200	--
C3-Dibenzothiophenes	SW8270CMSIM	--	1710	1260	1550	1640	--
C3-Fluorenes	SW8270CMSIM	--	1720	1250	1460	1730	--
C3-Naphthalenes	SW8270CMSIM	--	713	315	353	391	--
C3-Phenanthrenes/Anthracenes	SW8270CMSIM	--	2320	1900	2120	2630	--
C4-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	--	1610	1000	1190	1990	--
C4-Benzo(b)thiophenes	SW8270CMSIM	--	277	134	150	170	--
C4-Decalins	SW8270CMSIM	--	3910	1460	2020	2200	--
C4-Dibenzothiophenes	SW8270CMSIM	--	1540	878	1090	1270	--
C4-Naphthalenes	SW8270CMSIM	--	757	564	616	800	--
C4-Phenanthrenes/Anthracenes	SW8270CMSIM	--	2050	1370	1680	2110	--
n-Alkanes and Isoprenoids (µg/kg)							
2,6,10-Trimethyldodecane	SW8015M	--	1960 U	503 J	626 J	3030 U	--
2,6,10-Trimethyltridecane	SW8015M	--	2660 J	1830 J	2090 J	2130 J	--
n-Decane (C10)	SW8015M	--	1960 U	2890 U	2590 U	3030 U	--
n-Docosane (C22)	SW8015M	--	1960 U	742 J	714 J	940 J	--
n-Dodecane (C12)	SW8015M	--	1960 U	2890 U	2590 U	3030 U	--
n-Dotriacontane (C32)	SW8015M	--	1240 J	2890 U	7640	8410	--
n-Eicosane (C20)	SW8015M	--	1960 U	800 J	567 J	780 J	--
n-Heneicosane (C21)	SW8015M	--	881 J	774 J	800 J	934 J	--
n-Hentriacontane (C31)	SW8015M	--	6600	2510 J	2500 J	3290	--
n-Heptacosane (C27)	SW8015M	--	1760 J	1160 J	947 J	1720 J	--
n-Heptadecane (C17)	SW8015M	--	991 J	2890 U	1070 J	1180 J	--
n-Heptatriacontane (C37)	SW8015M	--	1960 U	1210 J	1060 J	1150 J	--
n-Hexacosane (C26)	SW8015M	--	1210 J	1490 J	2590 U	1550 J	--
n-Hexadecane (C16)	SW8015M	--	1960 U	896 J	877 J	874 J	--
n-Hexatriacontane (C36)	SW8015M	--	1960 U	1430 J	1410 J	1530 J	--
n-Nonacosane (C29)	SW8015M	--	1960 U	5220	5460	6950	--
n-Nonadecane (C19)	SW8015M	--	1960 U	2890 U	2590 U	3030 U	--
n-Nonane (C9)	SW8015M	--	1960 U	2890 U	2590 U	3030 U	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2132	Spring Surface Sediment 2133	Spring Surface Sediment 2134	Spring Surface Sediment 2135	Spring Surface Sediment 2136	Spring Surface Sediment 2137
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.64	1.64	1.72	1.72	1.72	1.82
Location ID		NC048SG_20120424	NC048SG_20120424	NC051SG_20120430	NC052SG_20120430	NC053SG_20120430	NC054SG_20120430
Sample ID		NC048SG-000003-20120424	NC048SG-000012-20120424	NC051SG-000015-20120430	NC052SG-000015-20120430	NC053SG-000015-20120430	NC054SG-000003-20120430
Sample Date		4/24/2012	4/24/2012	4/30/2012	4/30/2012	4/30/2012	4/30/2012
Sample Depth		0 - 3 cm	0 - 12 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm
Water Column Depth		19.4	19.4	14.8	18.2	15.4	17.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
n-Nonatriacontane (C39)	SW8015M	--	1960 U	948 J	1050 J	1160 J	--
n-Octacosane (C28)	SW8015M	--	1960 U	1800 J	1860 J	2020 J	--
n-Octadecane (C18)	SW8015M	--	1420 J	2200 J	1950 J	2020 J	--
n-Octatriacontane (C38)	SW8015M	--	815 J	901 J	787 J	998 J	--
Norpristane	SW8015M	--	1960 U	1070 J	1310 J	1290 J	--
n-Pentacosane (C25)	SW8015M	--	4700 J	4540 J	5320 J	6140 J	--
n-Pentadecane (C15)	SW8015M	--	335 J	1270 J	1170 J	1330 J	--
n-Pentatriacontane (C35)	SW8015M	--	1230 J	2890 U	1260 J	1340 J	--
n-Tetracontane (C40)	SW8015M	--	1150 J	1180 J	1150 J	1500 J	--
n-Tetracosane (C24)	SW8015M	--	1960 U	2890 U	2590 U	3030 U	--
n-Tetradecane (C14)	SW8015M	--	672 J	737 J	1000 J	1010 J	--
n-Tetratriacontane (C34)	SW8015M	--	2270	3000	2780	4030	--
n-Triacontane (C30)	SW8015M	--	1480 J	2010 J	1980 J	2470 J	--
n-Tricosane (C23)	SW8015M	--	852 J	546 J	1070 J	1240 J	--
n-Tridecane (C13)	SW8015M	--	1960 U	2890 U	2590 U	3030 U	--
n-Tritriacontane (C33)	SW8015M	--	3800	6420	6380	7290	--
n-Undecane (C11)	SW8015M	--	1960 U	2890 U	2590 U	3030 U	--
Pesticides (µg/kg)							
2,4'-DDD (o,p'-DDD)	SW8081A	--	0.24 UJ	0.31 U	12	4.1 J	--
2,4'-DDE (o,p'-DDE)	SW8081A	--	4.1 J	3.2	2.9	1 J	--
2,4'-DDT (o,p'-DDT)	SW8081A	--	2.6 J	0.31 U	0.29 U	0.67 J	--
4,4'-DDD (p,p'-DDD)	SW8081A	--	2.7 J	8.6	25	9.7	--
4,4'-DDE (p,p'-DDE)	SW8081A	--	14	8.5	6.4 J	6.1 J	--
4,4'-DDT (p,p'-DDT)	SW8081A	--	5.1 J	4.2	3.1	3.8	--
Aldrin	SW8081A	--	0.18 J	0.31 U	0.056 J	0.31 U	--
alpha-Hexachlorocyclohexane (BHC)	SW8081A	--	0.24 U	0.31 U	0.29 U	0.31 U	--
Chlordane, alpha- (cis-Chlordane)	SW8081A	--	0.24 UJ	8.2	7.8	8.6	--
Chlordane, beta- (trans-Chlordane)	SW8081A	--	0.24 U	0.31 U	0.29 U	0.31 U	--
delta-Hexachlorocyclohexane (BHC)	SW8081A	--	0.043 J	0.31 U	0.29 U	0.31 U	--
Dieldrin	SW8081A	--	2.4 J	2.1	0.29 U	0.31 U	--
Endosulfan sulfate	SW8081A	--	1.2 UJ	1.6	0.74 J	1.4	--
Endosulfan-alpha (I)	SW8081A	--	0.24 U	0.31 U	0.29 U	0.31 U	--
Endosulfan-beta (II)	SW8081A	--	2.2 J	0.072 J	0.31 J	0.31 U	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2132	Spring Surface Sediment 2133	Spring Surface Sediment 2134	Spring Surface Sediment 2135	Spring Surface Sediment 2136	Spring Surface Sediment 2137
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.64	1.64	1.72	1.72	1.72	1.82
Location ID		NC048SG_20120424	NC048SG_20120424	NC051SG_20120430	NC052SG_20120430	NC053SG_20120430	NC054SG_20120430
Sample ID		NC048SG-000003-20120424	NC048SG-000012-20120424	NC051SG-000015-20120430	NC052SG-000015-20120430	NC053SG-000015-20120430	NC054SG-000003-20120430
Sample Date		4/24/2012	4/24/2012	4/30/2012	4/30/2012	4/30/2012	4/30/2012
Sample Depth		0 - 3 cm	0 - 12 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm
Water Column Depth		19.4	19.4	14.8	18.2	15.4	17.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Endrin	SW8081A	--	0.24 U	1.3	1.2 J	0.31 U	--
Endrin aldehyde	SW8081A	--	0.24 UJ	0.31 UJ	0.41 J	0.63 J	--
Endrin ketone	SW8081A	--	0.68 J	1.4 J	1.2 J	1 J	--
Heptachlor	SW8081A	--	0.24 U	0.31 U	0.29 U	0.31 U	--
Heptachlor epoxide	SW8081A	--	1.1 J	0.13 J	0.32 J	0.37 J	--
Hexachlorobenzene	SW8081A	--	1.2	0.48	0.29 J	0.55	--
Hexachlorocyclohexane, beta- (BHC)	SW8081A	--	0.44 J	0.31 U	0.28 J	0.13 J	--
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	SW8081A	--	0.24 U	0.14 J	0.29 U	0.31 U	--
Methoxychlor	SW8081A	--	0.48 U	0.62 U	0.58 U	0.61 U	--
Mirex	SW8081A	--	0.19 J	0.31 U	0.081 J	0.31 U	--
Nonachlor, cis-	SW8081A	--	1.5 J	2.2	2.5	2.6	--
Nonachlor, trans-	SW8081A	--	0.74 J	0.12 J	0.82 J	0.62 J	--
Oxychlordane	SW8081A	--	0.42 UJ	0.31 U	0.29 U	0.67 J	--
Sum DDD (U = 0)	--	--	2.7 J	8.6	37	13.8 J	--
Sum DDD (U = 1/2)	--	--	2.82 J	8.75	37	13.8 J	--
Sum DDE (U = 0)	--	--	18.1 J	11.7	9.3 J	7.1 J	--
Sum DDE (U = 1/2)	--	--	18.1 J	11.7	9.3 J	7.1 J	--
Sum DDT (U = 0)	--	--	7.7 J	4.2	3.1	4.47 J	--
Sum DDT (U = 1/2)	--	--	7.7 J	4.36	3.25	4.47 J	--
Total chlordane (U = 0)	--	--	2.24 J	10.52 J	11.12 J	12.49 J	--
Total chlordane (U = 1/2)	--	--	2.69 J	10.83 J	11.41 J	12.64 J	--
Total DDx (U = 0)	--	--	28.5 J	24.5	49.4 J	25.37 J	--
Total DDx (U = 1/2)	--	--	28.62 J	24.81	49.55 J	25.37 J	--
Toxaphene	SW8081A	--	9.5 U	12 U	12 U	12 U	--
Pesticides - High Resolution (µg/kg)							
2,4'-DDD (o,p'-DDD)	E1699	--	12	--	--	--	--
2,4'-DDE (o,p'-DDE)	E1699	--	2.5	--	--	--	--
2,4'-DDT (o,p'-DDT)	E1699	--	0.3 U	--	--	--	--
4,4'-DDD (p,p'-DDD)	E1699	--	30	--	--	--	--
4,4'-DDE (p,p'-DDE)	E1699	--	35	--	--	--	--
4,4'-DDT (p,p'-DDT)	E1699	--	2.7	--	--	--	--
Aldrin	E1699	--	0.092 U	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2132	Spring Surface Sediment 2133	Spring Surface Sediment 2134	Spring Surface Sediment 2135	Spring Surface Sediment 2136	Spring Surface Sediment 2137
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.64	1.64	1.72	1.72	1.72	1.82
Location ID		NC048SG_20120424	NC048SG_20120424	NC051SG_20120430	NC052SG_20120430	NC053SG_20120430	NC054SG_20120430
Sample ID		NC048SG-000003-20120424	NC048SG-000012-20120424	NC051SG-000015-20120430	NC052SG-000015-20120430	NC053SG-000015-20120430	NC054SG-000003-20120430
Sample Date		4/24/2012	4/24/2012	4/30/2012	4/30/2012	4/30/2012	4/30/2012
Sample Depth		0 - 3 cm	0 - 12 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm
Water Column Depth		19.4	19.4	14.8	18.2	15.4	17.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
alpha-Hexachlorocyclohexane (BHC)	E1699	--	0.15 U	--	--	--	--
Chlordane, alpha- (cis-Chlordane)	E1699	--	19	--	--	--	--
Chlordane, beta- (trans-Chlordane)	E1699	--	23	--	--	--	--
delta-Hexachlorocyclohexane (BHC)	E1699	--	0.28 U	--	--	--	--
Dieldrin	E1699	--	6.2	--	--	--	--
Endosulfan sulfate	E1699	--	0.079 U	--	--	--	--
Endosulfan-alpha (I)	E1699	--	0.4 U	--	--	--	--
Endosulfan-beta (II)	E1699	--	0.63 U	--	--	--	--
Endrin	E1699	--	0.22 U	--	--	--	--
Endrin aldehyde	E1699	--	0.25 U	--	--	--	--
Endrin ketone	E1699	--	0.29 U	--	--	--	--
Heptachlor	E1699	--	0.067 U	--	--	--	--
Heptachlor epoxide	E1699	--	0.13 U	--	--	--	--
Hexachlorobenzene	E1699	--	3.7	--	--	--	--
Hexachlorocyclohexane, beta- (BHC)	E1699	--	0.16 U	--	--	--	--
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	E1699	--	0.2 U	--	--	--	--
Methoxychlor	E1699	--	0.32 U	--	--	--	--
Mirex	E1699	--	0.54 J	--	--	--	--
Nonachlor, cis-	E1699	--	4.6	--	--	--	--
Nonachlor, trans-	E1699	--	10	--	--	--	--
Oxychlordane	E1699	--	0.096 U	--	--	--	--
Sum DDD high resolution (U = 0)	--	--	42	--	--	--	--
Sum DDD high resolution (U = 1/2)	--	--	42	--	--	--	--
Sum DDE high resolution (U = 0)	--	--	37.5	--	--	--	--
Sum DDE high resolution (U = 1/2)	--	--	37.5	--	--	--	--
Sum DDT high resolution (U = 0)	--	--	2.7	--	--	--	--
Sum DDT high resolution (U = 1/2)	--	--	2.85	--	--	--	--
Total chlordane high resolution (U = 0)	--	--	56.6	--	--	--	--
Total chlordane high resolution (U = 1/2)	--	--	56.648	--	--	--	--
Total DDx high resolution (U = 0)	--	--	82.2	--	--	--	--
Total DDx high resolution (U = 1/2)	--	--	82.35	--	--	--	--
Toxaphene	E1699	--	6.1 U	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2132	Spring Surface Sediment 2133	Spring Surface Sediment 2134	Spring Surface Sediment 2135	Spring Surface Sediment 2136	Spring Surface Sediment 2137
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.64	1.64	1.72	1.72	1.72	1.82
Location ID		NC048SG_20120424	NC048SG_20120424	NC051SG_20120430	NC052SG_20120430	NC053SG_20120430	NC054SG_20120430
Sample ID		NC048SG-000003-20120424	NC048SG-000012-20120424	NC051SG-000015-20120430	NC052SG-000015-20120430	NC053SG-000015-20120430	NC054SG-000003-20120430
Sample Date		4/24/2012	4/24/2012	4/30/2012	4/30/2012	4/30/2012	4/30/2012
Sample Depth		0 - 3 cm	0 - 12 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm
Water Column Depth		19.4	19.4	14.8	18.2	15.4	17.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Herbicides (µg/kg)							
2,2-Dichloropropionic acid (dalapon)	SW8151A	--	260 U	340 UJ	310 UJ	330 UJ	--
2,4,5-T (2,4,5-trichlorophenoxyacetic acid)	SW8151A	--	58 U	75 U	70 U	74 U	--
2,4,5-TP (Silvex)	SW8151A	--	58 U	75 U	70 U	74 U	--
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	--	230 U	300 U	280 U	300 U	--
2,4-DB (2,4-D derivative)	SW8151A	--	230 U	300 U	280 U	300 U	--
Dicamba	SW8151A	--	120 U	150 U	140 U	150 U	--
Dichlorprop	SW8151A	--	61 J	300 U	280 U	300 U	--
Dinoseb	SW8151A	--	35 U	45 UJ	42 UJ	44 UJ	--
Mecoprop (MCP)	SW8151A	--	23000 U	30000 U	28000 U	30000 U	--
Mephanac (MCPA)	SW8151A	--	23000 U	30000 U	28000 U	30000 U	--
Dioxin Furans (ng/kg)							
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	--	9.46	--	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	--	24.1	--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	31.3	--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	74	--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	60.6	--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B	--	929	--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B	--	7050	--	--	--	--
Total tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	--	233 J	--	--	--	--
Total pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	--	321 J	--	--	--	--
Total hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	833	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2132	Spring Surface Sediment 2133	Spring Surface Sediment 2134	Spring Surface Sediment 2135	Spring Surface Sediment 2136	Spring Surface Sediment 2137
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	1.64	1.64	1.72	1.72	1.72	1.82
		Location ID	NC048SG_20120424	NC048SG_20120424	NC051SG_20120430	NC052SG_20120430	NC053SG_20120430	NC054SG_20120430
		Sample ID	NC048SG-000003-20120424	NC048SG-000012-20120424	NC051SG-000015-20120430	NC052SG-000015-20120430	NC053SG-000015-20120430	NC054SG-000003-20120430
		Sample Date	4/24/2012	4/24/2012	4/30/2012	4/30/2012	4/30/2012	4/30/2012
		Sample Depth	0 - 3 cm	0 - 12 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm
		Water Column Depth	19.4	19.4	14.8	18.2	15.4	17.7
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
Total heptachlorodibenzo-p-dioxin (HpCDD)	E1613B		--	1960	--	--	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B		--	40.2	--	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B		--	143	--	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B		--	87.9	--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B		--	498	--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B		--	303	--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B		--	0.456 U	--	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B		--	114	--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B		--	3000	--	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B		--	69.4	--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B		--	2830	--	--	--	--
Total tetrachlorodibenzofuran (TCDF)	E1613B		--	1280	--	--	--	--
Total pentachlorodibenzofuran (PeCDF)	E1613B		--	1830 J	--	--	--	--
Total hexachlorodibenzofuran (HxCDF)	E1613B		--	2670	--	--	--	--
Total heptachlorodibenzofuran (HpCDF)	E1613B		--	3510	--	--	--	--
Total dioxin/furan TEQ 1998 (avian) (U = 0)	--	--	--	308.436	--	--	--	--
Total dioxin/furan TEQ 1998 (avian) (U = 1/2)	--	--	--	308.459	--	--	--	--
Total dioxin/furan TEQ 1998 (fish) (U = 0)	--	--	--	227.777	--	--	--	--
Total dioxin/furan TEQ 1998 (fish) (U = 1/2)	--	--	--	227.8	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2132	Spring Surface Sediment 2133	Spring Surface Sediment 2134	Spring Surface Sediment 2135	Spring Surface Sediment 2136	Spring Surface Sediment 2137
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.64	1.64	1.72	1.72	1.72	1.82
Location ID		NC048SG_20120424	NC048SG_20120424	NC051SG_20120430	NC052SG_20120430	NC053SG_20120430	NC054SG_20120430
Sample ID		NC048SG-000003-20120424	NC048SG-000012-20120424	NC051SG-000015-20120430	NC052SG-000015-20120430	NC053SG-000015-20120430	NC054SG-000003-20120430
Sample Date		4/24/2012	4/24/2012	4/30/2012	4/30/2012	4/30/2012	4/30/2012
Sample Depth		0 - 3 cm	0 - 12 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm
Water Column Depth		19.4	19.4	14.8	18.2	15.4	17.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total dioxin/furan TEQ 2005 (mammal) (U = 0)	--	--	219.278	--	--	--	--
Total dioxin/furan TEQ 2005 (mammal) (U = 1/2)	--	--	219.301	--	--	--	--
PCB Aroclors (µg/kg)							
Aroclor 1016	SW8082A	--	24 U	7.8 U	7.2 U	7.6 U	--
Aroclor 1221	SW8082A	--	24 U	7.8 U	7.2 U	7.6 U	--
Aroclor 1232	SW8082A	--	24 U	7.8 U	7.2 U	7.6 U	--
Aroclor 1242	SW8082A	--	260	160	220	170	--
Aroclor 1248	SW8082A	--	24 U	7.8 U	7.2 U	7.6 U	--
Aroclor 1254	SW8082A	--	560	340	480	410	--
Aroclor 1260	SW8082A	--	24 U	7.8 U	7.2 U	7.6 U	--
Aroclor 1262	SW8082A	--	24 U	7.8 U	7.2 U	7.6 U	--
Aroclor 1268	SW8082A	--	24 U	7.8 U	7.2 U	7.6 U	--
Total PCB Aroclors (U = 0)	--	--	820	500	700	580	--
Total PCB Aroclors (U = 1/2)	--	--	904	527.3	725.2	606.6	--
PCB Congeners (ng/kg)							
PCB-001	E1668B	--	3440	--	--	--	--
PCB-002	E1668B	--	803	--	--	--	--
PCB-003	E1668B	--	5320	--	--	--	--
PCB-004	E1668B	--	5860 J	--	--	--	--
PCB-005	E1668B	--	382 J	--	--	--	--
PCB-006	E1668B	--	4190	--	--	--	--
PCB-007	E1668B	--	958	--	--	--	--
PCB-008	E1668B	--	14600 J	--	--	--	--
PCB-009	E1668B	--	1210	--	--	--	--
PCB-010	E1668B	--	603	--	--	--	--
PCB-011	E1668B	--	2180	--	--	--	--
PCB-012/013	E1668B	--	3910	--	--	--	--
PCB-014	E1668B	--	14.6 U	--	--	--	--
PCB-015	E1668B	--	24300 J	--	--	--	--
PCB-016	E1668B	--	7790 J	--	--	--	--
PCB-017	E1668B	--	11000 J	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2132	Spring Surface Sediment 2133	Spring Surface Sediment 2134	Spring Surface Sediment 2135	Spring Surface Sediment 2136	Spring Surface Sediment 2137
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	1.64	1.64	1.72	1.72	1.72	1.82
		Location ID	NC048SG_20120424	NC048SG_20120424	NC051SG_20120430	NC052SG_20120430	NC053SG_20120430	NC054SG_20120430
		Sample ID	NC048SG-000003-20120424	NC048SG-000012-20120424	NC051SG-000015-20120430	NC052SG-000015-20120430	NC053SG-000015-20120430	NC054SG-000003-20120430
		Sample Date	4/24/2012	4/24/2012	4/30/2012	4/30/2012	4/30/2012	4/30/2012
		Sample Depth	0 - 3 cm	0 - 12 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm
		Water Column Depth	19.4	19.4	14.8	18.2	15.4	17.7
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-018/030	E1668B	--	20000 J	--	--	--	--	--
PCB-019	E1668B	--	2060	--	--	--	--	--
PCB-020/028	E1668B	--	54900 J	--	--	--	--	--
PCB-021/033	E1668B	--	15000 J	--	--	--	--	--
PCB-022	E1668B	--	13300 J	--	--	--	--	--
PCB-023	E1668B	--	29.3 J	--	--	--	--	--
PCB-024	E1668B	--	3.16 U	--	--	--	--	--
PCB-025	E1668B	--	5680 J	--	--	--	--	--
PCB-026/029	E1668B	--	9310	--	--	--	--	--
PCB-027	E1668B	--	2440	--	--	--	--	--
PCB-031	E1668B	--	43400 J	--	--	--	--	--
PCB-032	E1668B	--	7910 J	--	--	--	--	--
PCB-034	E1668B	--	246	--	--	--	--	--
PCB-035	E1668B	--	1320	--	--	--	--	--
PCB-036	E1668B	--	8.05 U	--	--	--	--	--
PCB-037	E1668B	--	17000 J	--	--	--	--	--
PCB-038	E1668B	--	18.6	--	--	--	--	--
PCB-039	E1668B	--	7.92 U	--	--	--	--	--
PCB-040/071	E1668B	--	17100 J	--	--	--	--	--
PCB-041	E1668B	--	3830	--	--	--	--	--
PCB-042	E1668B	--	10700 J	--	--	--	--	--
PCB-043	E1668B	--	1440	--	--	--	--	--
PCB-044/047/065	E1668B	--	37100 J	--	--	--	--	--
PCB-045	E1668B	--	--	--	--	--	--	--
PCB-045/051	E1668B	--	6670	--	--	--	--	--
PCB-046	E1668B	--	2130	--	--	--	--	--
PCB-048	E1668B	--	7510 J	--	--	--	--	--
PCB-049/069	E1668B	--	25700 J	--	--	--	--	--
PCB-050/053	E1668B	--	4990	--	--	--	--	--
PCB-051	E1668B	--	--	--	--	--	--	--
PCB-052	E1668B	--	46800 J	--	--	--	--	--
PCB-054	E1668B	--	101	--	--	--	--	--
PCB-055	E1668B	--	13.8 U	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2132	Spring Surface Sediment 2133	Spring Surface Sediment 2134	Spring Surface Sediment 2135	Spring Surface Sediment 2136	Spring Surface Sediment 2137
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	1.64	1.64	1.72	1.72	1.72	1.82
		Location ID	NC048SG_20120424	NC048SG_20120424	NC051SG_20120430	NC052SG_20120430	NC053SG_20120430	NC054SG_20120430
		Sample ID	NC048SG-000003-20120424	NC048SG-000012-20120424	NC051SG-000015-20120430	NC052SG-000015-20120430	NC053SG-000015-20120430	NC054SG-000003-20120430
		Sample Date	4/24/2012	4/24/2012	4/30/2012	4/30/2012	4/30/2012	4/30/2012
		Sample Depth	0 - 3 cm	0 - 12 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm
		Water Column Depth	19.4	19.4	14.8	18.2	15.4	17.7
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-056	E1668B	--	18500 J	--	--	--	--	--
PCB-057	E1668B	--	15.1 U	--	--	--	--	--
PCB-058	E1668B	--	1550	--	--	--	--	--
PCB-059/062/075	E1668B	--	3200	--	--	--	--	--
PCB-060	E1668B	--	9390 J	--	--	--	--	--
PCB-061/070/074/076	E1668B	--	66700 J	--	--	--	--	--
PCB-063	E1668B	--	1680	--	--	--	--	--
PCB-064	E1668B	--	15200 J	--	--	--	--	--
PCB-066	E1668B	--	41900 J	--	--	--	--	--
PCB-067	E1668B	--	13.9 U	--	--	--	--	--
PCB-068	E1668B	--	278	--	--	--	--	--
PCB-072	E1668B	--	433	--	--	--	--	--
PCB-073	E1668B	--	2.73 U	--	--	--	--	--
PCB-077	E1668B	--	4890	--	--	--	--	--
PCB-078	E1668B	--	15.8 U	--	--	--	--	--
PCB-079	E1668B	--	13.7 U	--	--	--	--	--
PCB-080	E1668B	--	13.9 U	--	--	--	--	--
PCB-081	E1668B	--	179	--	--	--	--	--
PCB-082	E1668B	--	5900 J	--	--	--	--	--
PCB-083	E1668B	--	2660	--	--	--	--	--
PCB-084	E1668B	--	10500 J	--	--	--	--	--
PCB-085/116	E1668B	--	--	--	--	--	--	--
PCB-085/116/117	E1668B	--	6850	--	--	--	--	--
PCB-086/087/097/108/119/125	E1668B	--	30300	--	--	--	--	--
PCB-088	E1668B	--	--	--	--	--	--	--
PCB-088/091	E1668B	--	6210	--	--	--	--	--
PCB-089	E1668B	--	589	--	--	--	--	--
PCB-090/101/113	E1668B	--	44700 J	--	--	--	--	--
PCB-091	E1668B	--	--	--	--	--	--	--
PCB-092	E1668B	--	7440 J	--	--	--	--	--
PCB-093/100	E1668B	--	521	--	--	--	--	--
PCB-094	E1668B	--	278	--	--	--	--	--
PCB-095	E1668B	--	29200 J	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2132	Spring Surface Sediment 2133	Spring Surface Sediment 2134	Spring Surface Sediment 2135	Spring Surface Sediment 2136	Spring Surface Sediment 2137
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	1.64	1.64	1.72	1.72	1.72	1.82
		Location ID	NC048SG_20120424	NC048SG_20120424	NC051SG_20120430	NC052SG_20120430	NC053SG_20120430	NC054SG_20120430
		Sample ID	NC048SG-000003-20120424	NC048SG-000012-20120424	NC051SG-000015-20120430	NC052SG-000015-20120430	NC053SG-000015-20120430	NC054SG-000003-20120430
		Sample Date	4/24/2012	4/24/2012	4/30/2012	4/30/2012	4/30/2012	4/30/2012
		Sample Depth	0 - 3 cm	0 - 12 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm
		Water Column Depth	19.4	19.4	14.8	18.2	15.4	17.7
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-096	E1668B	--		367	--	--	--	--
PCB-098	E1668B	--		--	--	--	--	--
PCB-098/102	E1668B	--		1560	--	--	--	--
PCB-099	E1668B	--		19800 J	--	--	--	--
PCB-102	E1668B	--		--	--	--	--	--
PCB-103	E1668B	--		435	--	--	--	--
PCB-104	E1668B	--		19.5	--	--	--	--
PCB-105	E1668B	--		17400 J	--	--	--	--
PCB-106	E1668B	--		17.1 U	--	--	--	--
PCB-107/124	E1668B	--		1640	--	--	--	--
PCB-109	E1668B	--		3070	--	--	--	--
PCB-110	E1668B	--		--	--	--	--	--
PCB-110/115	E1668B	--		51500 J	--	--	--	--
PCB-111	E1668B	--		9.23 U	--	--	--	--
PCB-112	E1668B	--		9.45 U	--	--	--	--
PCB-114	E1668B	--		919	--	--	--	--
PCB-115	E1668B	--		--	--	--	--	--
PCB-117	E1668B	--		--	--	--	--	--
PCB-118	E1668B	--		41500 J	--	--	--	--
PCB-120	E1668B	--		103	--	--	--	--
PCB-121	E1668B	--		9.08 U	--	--	--	--
PCB-122	E1668B	--		429	--	--	--	--
PCB-123	E1668B	--		913	--	--	--	--
PCB-126	E1668B	--		519	--	--	--	--
PCB-127	E1668B	--		398	--	--	--	--
PCB-128/166	E1668B	--		8270	--	--	--	--
PCB-129/138/163	E1668B	--		59400 J	--	--	--	--
PCB-130	E1668B	--		3430	--	--	--	--
PCB-131	E1668B	--		763	--	--	--	--
PCB-132	E1668B	--		17500 J	--	--	--	--
PCB-133	E1668B	--		841	--	--	--	--
PCB-134	E1668B	--		3090	--	--	--	--
PCB-135/151	E1668B	--		16900 J	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2132	Spring Surface Sediment 2133	Spring Surface Sediment 2134	Spring Surface Sediment 2135	Spring Surface Sediment 2136	Spring Surface Sediment 2137
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	1.64	1.64	1.72	1.72	1.72	1.82
		Location ID	NC048SG_20120424	NC048SG_20120424	NC051SG_20120430	NC052SG_20120430	NC053SG_20120430	NC054SG_20120430
		Sample ID	NC048SG-000003-20120424	NC048SG-000012-20120424	NC051SG-000015-20120430	NC052SG-000015-20120430	NC053SG-000015-20120430	NC054SG-000003-20120430
		Sample Date	4/24/2012	4/24/2012	4/30/2012	4/30/2012	4/30/2012	4/30/2012
		Sample Depth	0 - 3 cm	0 - 12 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm
		Water Column Depth	19.4	19.4	14.8	18.2	15.4	17.7
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-136	E1668B	--	6300 J	--	--	--	--	--
PCB-137	E1668B	--	2430	--	--	--	--	--
PCB-139/140	E1668B	--	845	--	--	--	--	--
PCB-141	E1668B	--	9630 J	--	--	--	--	--
PCB-142	E1668B	--	15.1 U	--	--	--	--	--
PCB-143	E1668B	--	14 U	--	--	--	--	--
PCB-144	E1668B	--	2210	--	--	--	--	--
PCB-145	E1668B	--	11.5	--	--	--	--	--
PCB-146	E1668B	--	8460 J	--	--	--	--	--
PCB-147/149	E1668B	--	47300 J	--	--	--	--	--
PCB-148	E1668B	--	84.9 J	--	--	--	--	--
PCB-150	E1668B	--	127	--	--	--	--	--
PCB-152	E1668B	--	54.6 J	--	--	--	--	--
PCB-153/168	E1668B	--	48800 J	--	--	--	--	--
PCB-154	E1668B	--	789	--	--	--	--	--
PCB-155	E1668B	--	23.2	--	--	--	--	--
PCB-156/157	E1668B	--	6330	--	--	--	--	--
PCB-158	E1668B	--	5820 J	--	--	--	--	--
PCB-159	E1668B	--	9.19 U	--	--	--	--	--
PCB-160	E1668B	--	11.7 U	--	--	--	--	--
PCB-161	E1668B	--	10.1 U	--	--	--	--	--
PCB-162	E1668B	--	8.69 U	--	--	--	--	--
PCB-164	E1668B	--	3620	--	--	--	--	--
PCB-165	E1668B	--	11.8 U	--	--	--	--	--
PCB-167	E1668B	--	2250	--	--	--	--	--
PCB-169	E1668B	--	138 J	--	--	--	--	--
PCB-170	E1668B	--	11900 J	--	--	--	--	--
PCB-171/173	E1668B	--	4090	--	--	--	--	--
PCB-172	E1668B	--	2050	--	--	--	--	--
PCB-174	E1668B	--	13400 J	--	--	--	--	--
PCB-175	E1668B	--	635	--	--	--	--	--
PCB-176	E1668B	--	1820	--	--	--	--	--
PCB-177	E1668B	--	8200 J	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2132	Spring Surface Sediment 2133	Spring Surface Sediment 2134	Spring Surface Sediment 2135	Spring Surface Sediment 2136	Spring Surface Sediment 2137
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	1.64	1.64	1.72	1.72	1.72	1.82
		Location ID	NC048SG_20120424	NC048SG_20120424	NC051SG_20120430	NC052SG_20120430	NC053SG_20120430	NC054SG_20120430
		Sample ID	NC048SG-000003-20120424	NC048SG-000012-20120424	NC051SG-000015-20120430	NC052SG-000015-20120430	NC053SG-000015-20120430	NC054SG-000003-20120430
		Sample Date	4/24/2012	4/24/2012	4/30/2012	4/30/2012	4/30/2012	4/30/2012
		Sample Depth	0 - 3 cm	0 - 12 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm
		Water Column Depth	19.4	19.4	14.8	18.2	15.4	17.7
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-178	E1668B	--	3130	--	--	--	--	--
PCB-179	E1668B	--	6330 J	--	--	--	--	--
PCB-180/193	E1668B	--	27800 J	--	--	--	--	--
PCB-181	E1668B	--	99.1	--	--	--	--	--
PCB-182	E1668B	--	7.56 U	--	--	--	--	--
PCB-183	E1668B	--	--	--	--	--	--	--
PCB-183/185	E1668B	--	9320	--	--	--	--	--
PCB-184	E1668B	--	24.5 J	--	--	--	--	--
PCB-185	E1668B	--	--	--	--	--	--	--
PCB-186	E1668B	--	6.07 U	--	--	--	--	--
PCB-187	E1668B	--	16800 J	--	--	--	--	--
PCB-188	E1668B	--	42.8	--	--	--	--	--
PCB-189	E1668B	--	538 J	--	--	--	--	--
PCB-190	E1668B	--	2420	--	--	--	--	--
PCB-191	E1668B	--	509	--	--	--	--	--
PCB-192	E1668B	--	6.01 U	--	--	--	--	--
PCB-194	E1668B	--	6710 J	--	--	--	--	--
PCB-195	E1668B	--	2680	--	--	--	--	--
PCB-196	E1668B	--	3610	--	--	--	--	--
PCB-197	E1668B	--	--	--	--	--	--	--
PCB-197/200	E1668B	--	1220	--	--	--	--	--
PCB-198/199	E1668B	--	8780	--	--	--	--	--
PCB-200	E1668B	--	--	--	--	--	--	--
PCB-201	E1668B	--	1250	--	--	--	--	--
PCB-202	E1668B	--	2070	--	--	--	--	--
PCB-203	E1668B	--	5470	--	--	--	--	--
PCB-204	E1668B	--	4.84 U	--	--	--	--	--
PCB-205	E1668B	--	364	--	--	--	--	--
PCB-206	E1668B	--	5880 J	--	--	--	--	--
PCB-207	E1668B	--	543	--	--	--	--	--
PCB-208	E1668B	--	1970	--	--	--	--	--
PCB-209	E1668B	--	5030	--	--	--	--	--
Total PCB congener (U = 0)	--	--	1302954 J	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2132	Spring Surface Sediment 2133	Spring Surface Sediment 2134	Spring Surface Sediment 2135	Spring Surface Sediment 2136	Spring Surface Sediment 2137
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.64	1.64	1.72	1.72	1.72	1.82
Location ID		NC048SG_20120424	NC048SG_20120424	NC051SG_20120430	NC052SG_20120430	NC053SG_20120430	NC054SG_20120430
Sample ID		NC048SG-000003-20120424	NC048SG-000012-20120424	NC051SG-000015-20120430	NC052SG-000015-20120430	NC053SG-000015-20120430	NC054SG-000003-20120430
Sample Date		4/24/2012	4/24/2012	4/30/2012	4/30/2012	4/30/2012	4/30/2012
Sample Depth		0 - 3 cm	0 - 12 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 3 cm
Water Column Depth		19.4	19.4	14.8	18.2	15.4	17.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total PCB congener (U = 1/2)	--	--	1303090.29 J	--	--	--	--
Total PCB congener TEQ 1998 (avian) (U = 0)	--	--	317.35491 J	--	--	--	--
Total PCB congener TEQ 1998 (avian) (U = 1/2)	--	--	317.35491 J	--	--	--	--
Total PCB congener TEQ 1998 (fish) (U = 0)	--	--	3.52965 J	--	--	--	--
Total PCB congener TEQ 1998 (fish) (U = 1/2)	--	--	3.52965 J	--	--	--	--
Total PCB congener TEQ 2005 (mammal) (U = 0)	--	--	58.6782 J	--	--	--	--
Total PCB congener TEQ 2005 (mammal) (U = 1/2)	--	--	58.6782 J	--	--	--	--
Total Petroleum Hydrocarbons (mg/kg)							
Diesel range organics (C10 - C28)	SW8015M	--	3860	3040	3630	4190	--
Phytane	SW8015M	--	1.4 J	1.83 J	1.8 J	1.95 J	--
Pristane	SW8015M	--	1.86 J	2.04 J	2.5 J	2.8 J	--
Total petroleum hydrocarbons (C9-C40)	SW8015M	--	6880	5800	6660	7860	--
Radionuclides (pci/g)							
Beryllium 7	HASL300	1.004	--	--	--	--	0.872

Table A4-2
Surface Sediment Analytical Results

	Task	Spring Surface Sediment 2138	Spring Surface Sediment 2139	Spring Surface Sediment 2140	Spring Surface Sediment 2141	Spring Surface Sediment 2142	Spring Surface Sediment 2143
	Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
	River Mile	1.82	1.82	1.82	1.82	1.83	1.92
	Location ID	NC054SG_20120430	NC054SG_20120430	NC055SG_20120430	NC055SG_20120430	NC056SG_20120430	NC057SG_20120501
	Sample ID	NC054SG-000015-20120430	NC1054SG-000015-20120430	NC055SG-000015-20120430	NC1055SG-000015-20120430	NC056SG-000015-20120430	NC057SG-000015-20120501
	Sample Date	4/30/2012	4/30/2012	4/30/2012	4/30/2012	4/30/2012	5/1/2012
	Sample Depth	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
	Water Column Depth	17.7	17.7	22.6	22.6	15.3	14.7
	Sample Type	N	FD	N	FD	N	N
	Matrix	SE	SE	SE	SE	SE	SE
Conventional Parameters (lb/ft³)							
Density	D7263	23.2	--	23.3	21.7	21.1	20.8
Conventional Parameters (mg/kg)							
Ammonia as nitrogen	SM4500NH3H	28 U	--	46	40	28 U	28
Cyanide, total	SW9012A	3.6 U	--	3.5 U	3.7 U	3.8 U	3.4 U
Nitrate + nitrite as nitrogen	SM4500NO3F	12 J	--	12 J	9.6 J	12 J	10
Nitrogen ((No Suggestions))	SM4500NORGC	4600	--	3900	2800	4100	2800 J
Phosphorus	SM4500PE	1700	--	1900	1800	1800	1800
Sulfide	SW9030B	3200	--	4400	2500	5200	7500
Conventional Parameters (pct)							
Moisture (water) content	D2216	220.8	263.6	--	--	--	--
Moisture, percent	D2216	72.8	72.6	--	--	--	--
Soot carbon	SOOTC	0.244	--	0.194	0.284	0.239	0.358
Total organic carbon	SW9060	3.49 J	--	3.075 J	3.275 J	3.54 J	4.325
Total solids	SM2540G	27.2	--	26.5	25.7	26.4	28.3
Conventional Parameters (SU)							
pH	SW9045C	8	--	8	8.2	8	7.9
Conventional Parameters (unitless)							
Liquid limit	D4318	179	175	--	--	--	--
Plastic limit	D4318	43	44	--	--	--	--
Plasticity index	D4318	136	131	--	--	--	--
Specific gravity	D854	2.52	2.52	--	--	--	--
Grain Size (pct)							
Cobbles	D422	0	--	0	0	0	0
Gravel	D422	0.2	--	0.2	0	0	0.1
Sand	D422	2	--	1.9	1.8	4.2	8.6
Fines (silt + clay)	D422	97.8	--	97.9	98.2	95.8	91.3
Percent passing 0.375 inch (3/8 inch sieve)	D422	100	--	100	--	100	100
Percent passing 0.5 inch (1/2 inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4 inch sieve)	D422	--	--	--	--	--	--
Percent passing 1 inch (1 inch sieve)	D422	--	--	--	--	--	--
Percent passing 75 micron sieve (#200)	D422	98	--	98	98	96	91
Percent passing 150 micron sieve (#100)	D422	99	--	99	99	97	95

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2138	Spring Surface Sediment 2139	Spring Surface Sediment 2140	Spring Surface Sediment 2141	Spring Surface Sediment 2142	Spring Surface Sediment 2143
Task		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
Tributary		1.82	1.82	1.82	1.82	1.83	1.92
River Mile		NC054SG_20120430	NC054SG_20120430	NC055SG_20120430	NC055SG_20120430	NC056SG_20120430	NC057SG_20120501
Location ID		NC054SG-000015-20120430	NC1054SG-000015-20120430	NC055SG-000015-20120430	NC1055SG-000015-20120430	NC056SG-000015-20120430	NC057SG-000015-20120501
Sample ID		4/30/2012	4/30/2012	4/30/2012	4/30/2012	4/30/2012	5/1/2012
Sample Date		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Sample Depth		17.7	17.7	22.6	22.6	15.3	14.7
Water Column Depth		N	FD	N	FD	N	N
Sample Type		SE	SE	SE	SE	SE	SE
Matrix							
Percent passing 250 micron sieve (#60)	D422	99	--	99	99	98	98
Percent passing 425 micron sieve (#40)	D422	99	--	99	99	98	99
Percent passing 850 micron sieve (#20)	D422	100	--	99	100	99	99
Percent passing 2000 micron sieve (#10)	D422	100	--	100	100	100	100
Percent passing 4750 micron sieve (#4)	D422	100	--	100	100	100	100
Metals (mg/kg)							
Aluminum	SW6020A	13700	--	13400	12400	15100	10400
Antimony	SW6020A	1.15 J	--	1.01 J	1.14 J	1.5 J	0.992 J
Arsenic	SW6020A	13.2	--	12.9	11.8	19.7	13.3
Barium	SW6020A	90.3	--	99.2	85.4	134	107
Beryllium	SW6020A	0.815	--	0.817	0.716	0.954	0.755
Cadmium	SW6020A	3.8	--	4.11	3.79	5.38	4.16
Calcium	SW6020A	10800	--	9920	9230	12800	10200
Chromium	SW6020A	81.3	--	86.6	74	109	72.5
Cobalt	SW6020A	10.2	--	10.3	8.79	11.4	8.4
Copper	SW6020A	294	--	336	302	493	340
Iron	SW6020A	27700	--	29300	26200	34500	25100
Lead	SW6020A	180	--	188	172	273	220
Magnesium	SW6020A	10800	--	10800	10600	12900	10800
Manganese	SW6020A	348	--	367	312	379	262
Mercury	E1631M	1.16	--	1.17	1.15	1.23	1.1
Nickel	SW6020A	43.4	--	49.5	44.6	65.1	47.3
Potassium	SW6020A	3310 J	--	3540 J	3310 J	3870 J	3040
Selenium	SW6020A	2.17 J	--	2.5 J	2.3 J	3.18 J	2.86
Silver	SW6020A	4.6	--	4.17	5.35	6.64	4.3
Sodium	SW6020A	20300 J	--	21700 J	24400 J	20900 J	20900
Thallium	SW6020A	0.244	--	0.254	0.235	0.306	0.544
Tin	SW6020A	20.6	--	18.5	21.6	29.2	19.7
Vanadium	SW6020A	36.4	--	36.2	34.4	49.5	35.1
Zinc	SW6020A	500 J	--	534 J	473 J	716 J	522
Organometallic Compounds (µg/kg)							
Methyl mercury	E1630M	1.46	0.892 J	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2138	Spring Surface Sediment 2139	Spring Surface Sediment 2140	Spring Surface Sediment 2141	Spring Surface Sediment 2142	Spring Surface Sediment 2143
Task		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
Tributary		1.82	1.82	1.82	1.82	1.83	1.92
River Mile		NC054SG_20120430	NC054SG_20120430	NC055SG_20120430	NC055SG_20120430	NC056SG_20120430	NC057SG_20120501
Location ID		NC054SG-000015-20120430	NC1054SG-000015-20120430	NC055SG-000015-20120430	NC1055SG-000015-20120430	NC056SG-000015-20120430	NC057SG-000015-20120501
Sample ID		4/30/2012	4/30/2012	4/30/2012	4/30/2012	4/30/2012	5/1/2012
Sample Date		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Sample Depth		17.7	17.7	22.6	22.6	15.3	14.7
Water Column Depth		N	FD	N	FD	N	N
Sample Type		SE	SE	SE	SE	SE	SE
Matrix		Volatile Organics (µg/kg)					
1,1,1-Trichloroethane	SW8260B	3.7 U	--	3.7 U	4 U	3.7 U	3.3 U
1,1,2,2-Tetrachloroethane	SW8260B	3.7 U	--	3.7 U	4 U	3.7 U	3.3 U
1,1,2-Trichloroethane	SW8260B	5.5 U	--	5.5 U	6 U	5.6 U	4.9 U
1,1,2-Trichlorotrifluoroethane	SW8260B	74 U	--	74 U	79 U	74 U	65 U
1,1-Dichloroethane	SW8260B	5.5 U	--	5.5 U	6 U	5.6 U	4.9 U
1,1-Dichloroethene	SW8260B	3.7 U	--	3.7 U	4 U	3.7 U	3.3 U
1,2,3-Trichlorobenzene	SW8260B	18 U	--	18 U	20 U	18 U	16 U
1,2,4-Trichlorobenzene	SW8260B	18 U	--	18 U	20 U	18 U	16 U
1,2-Dibromo-3-chloropropane	SW8260B	18 U	--	18 U	20 U	18 U	16 U
1,2-Dichlorobenzene	SW8260B	18 U	--	18 U	20 U	18 U	16 U
1,2-Dichloroethane	SW8260B	3.7 U	--	3.7 U	4 U	3.7 U	3.3 U
1,2-Dichloroethene, cis-	SW8260B	3.7 U	--	3.7 U	4 U	3.7 U	3.3 U
1,2-Dichloroethene, trans-	SW8260B	5.5 U	--	5.5 U	6 U	5.6 U	4.9 U
1,2-Dichloropropane	SW8260B	13 U	--	13 U	14 U	13 U	11 U
1,3-Dichlorobenzene	SW8260B	18 U	--	18 U	20 U	18 U	16 U
1,3-Dichloropropene, cis-	SW8260B	3.7 U	--	3.7 U	4 U	3.7 U	3.3 U
1,3-Dichloropropene, trans-	SW8260B	3.7 U	--	3.7 U	4 U	3.7 U	3.3 U
1,4-Dichlorobenzene	SW8260B	18 U	--	18 U	20 U	18 U	16 U
2-Butanone (MEK)	SW8260B	98	--	120	180	150	160
2-Hexanone (methyl butyl ketone)	SW8260B	37 U	--	37 U	40 U	37 U	33 U
Acetone	SW8260B	540	--	700	990	850	900
Benzene	SW8260B	3.7 U	--	3.7 U	4 U	3.7 U	3.3 U
Bromochloromethane	SW8260B	18 U	--	18 U	20 U	18 U	16 U
Bromodichloromethane	SW8260B	3.7 U	--	3.7 U	4 U	3.7 U	3.3 U
Bromoform (tribromomethane)	SW8260B	15 U	--	15 U	16 U	15 U	13 U
Bromomethane (methyl bromide)	SW8260B	7.4 U	--	7.4 U	7.9 U	7.4 U	6.5 U
Carbon disulfide	SW8260B	28 J	--	23 J	33 J	45	35
Carbon tetrachloride (tetrachloromethane)	SW8260B	3.7 U	--	3.7 U	4 U	3.7 U	3.3 U
Chlorobenzene	SW8260B	3.7 U	--	3.7 U	4 U	3.7 U	3.3 U
Chloroethane	SW8260B	7.4 U	--	7.4 U	7.9 U	7.4 U	6.5 U
Chloroform	SW8260B	5.5 U	--	5.5 U	6 U	5.6 U	4.9 U

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2138	Spring Surface Sediment 2139	Spring Surface Sediment 2140	Spring Surface Sediment 2141	Spring Surface Sediment 2142	Spring Surface Sediment 2143
Task		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
Tributary		1.82	1.82	1.82	1.82	1.83	1.92
River Mile		NC054SG_20120430	NC054SG_20120430	NC055SG_20120430	NC055SG_20120430	NC056SG_20120430	NC057SG_20120501
Location ID		NC054SG-000015-20120430	NC1054SG-000015-20120430	NC055SG-000015-20120430	NC1055SG-000015-20120430	NC056SG-000015-20120430	NC057SG-000015-20120501
Sample ID		4/30/2012	4/30/2012	4/30/2012	4/30/2012	4/30/2012	5/1/2012
Sample Date		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Sample Depth		17.7	17.7	22.6	22.6	15.3	14.7
Water Column Depth		N	FD	N	FD	N	N
Sample Type		SE	SE	SE	SE	SE	SE
Matrix							
Chloromethane	SW8260B	18 U	--	18 U	20 U	18 U	16 U
Cyclohexane	SW8260B	74 U	--	74 U	79 U	74 U	65 U
Dibromochloromethane	SW8260B	3.7 U	--	3.7 U	4 U	3.7 U	3.3 U
Dichlorodifluoromethane	SW8260B	37 U	--	37 U	40 U	37 U	33 U
Dichloromethane (methylene chloride)	SW8260B	37 U	--	37 U	40 U	37 U	33 U
Ethylbenzene	SW8260B	3.7 U	--	3.7 U	4 U	3.7 U	3.3 U
Ethylene dibromide (1,2-Dibromoethane)	SW8260B	15 U	--	15 U	16 U	15 U	13 U
Isopropylbenzene (cumene)	SW8260B	3.7 U	--	3.7 U	4 U	3.7 U	3.3 U
m,p-Xylene	SW8260B	7.4 U	--	7.4 U	7.9 U	7.4 U	6.5 U
Methyl acetate	SW8260B	74 U	--	74 U	79 U	74 U	65 U
Methyl isobutyl ketone (4-methyl-2-pentanone [MIBK])	SW8260B	37 U	--	37 U	40 U	37 U	33 U
Methyl tert-butyl ether (MTBE)	SW8260B	7.4 U	--	7.4 U	7.9 U	7.4 U	6.5 U
Methylcyclohexane	SW8260B	15 U	--	15 U	16 U	15 U	13 U
o-Xylene	SW8260B	7.4 U	--	7.4 U	7.9 U	7.4 U	6.5 U
Styrene	SW8260B	7.4 U	--	7.4 U	7.9 U	7.4 U	6.5 U
Tetrachloroethene (PCE)	SW8260B	3.7 U	--	3.7 U	4 U	3.7 U	3.3 U
Toluene	SW8260B	5.5 U	--	5.5 U	6 U	5.6 U	4.9 U
Total BTEX (U = 0)	--	7.4 U	--	7.4 U	7.9 U	7.4 U	6.5 U
Total BTEX (U = 1/2)	--	7.4 U	--	7.4 U	7.9 U	7.4 U	6.5 U
Total xylene (U = 0)	--	7.4 U	--	7.4 U	7.9 U	7.4 U	6.5 U
Total xylene (U = 1/2)	--	7.4 U	--	7.4 U	7.9 U	7.4 U	6.5 U
Trichloroethene (TCE)	SW8260B	3.7 U	--	3.7 U	4 U	3.7 U	3.3 U
Trichlorofluoromethane (fluorotrichloromethane)	SW8260B	18 U	--	18 U	20 U	18 U	16 U
Vinyl acetate	SW8260B	37 U	--	37 U	40 U	37 U	33 U
Vinyl chloride	SW8260B	7.4 U	--	7.4 U	7.9 U	7.4 U	6.5 U
Semivolatile Organics (µg/kg)							
1,2,4,5-Tetrachlorobenzene	SW8270C	460 U	--	480 U	490 U	470 U	570 UJ
1,4-Dioxane	SW8270C	940 U	--	980 U	980 U	960 U	1100 UJ
2,3,4,6-Tetrachlorophenol	SW8270C	460 U	--	480 U	490 U	470 U	570 UJ
2,4,5-Trichlorophenol	SW8270C	460 U	--	480 U	490 U	470 U	570 U
2,4,6-Trichlorophenol	SW8270C	460 U	--	480 U	490 U	470 U	570 UJ

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2138	Spring Surface Sediment 2139	Spring Surface Sediment 2140	Spring Surface Sediment 2141	Spring Surface Sediment 2142	Spring Surface Sediment 2143
Task		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
Tributary		1.82	1.82	1.82	1.82	1.83	1.92
River Mile		NC054SG_20120430	NC054SG_20120430	NC055SG_20120430	NC055SG_20120430	NC056SG_20120430	NC057SG_20120501
Location ID		NC054SG-000015-20120430	NC1054SG-000015-20120430	NC055SG-000015-20120430	NC1055SG-000015-20120430	NC056SG-000015-20120430	NC057SG-000015-20120501
Sample ID		4/30/2012	4/30/2012	4/30/2012	4/30/2012	4/30/2012	5/1/2012
Sample Date		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Sample Depth		17.7	17.7	22.6	22.6	15.3	14.7
Water Column Depth		N	FD	N	FD	N	N
Sample Type		SE	SE	SE	SE	SE	SE
Matrix							
2,4-Dichlorophenol	SW8270C	94 U	--	98 U	99 U	96 U	120 U
2,4-Dimethylphenol	SW8270C	460 U	--	480 U	490 U	470 U	570 UJ
2,4-Dinitrophenol	SW8270C	2400 U	--	2500 U	2500 U	2400 U	2900 UJ
2,4-Dinitrotoluene	SW8270C	460 U	--	480 U	490 U	470 U	570 U
2,6-Dinitrotoluene	SW8270C	460 U	--	480 U	490 U	470 U	570 U
2-Chloronaphthalene	SW8270C	94 U	--	98 U	99 U	96 U	120 UJ
2-Chlorophenol	SW8270C	460 U	--	480 U	490 U	470 U	570 U
2-Methylnaphthalene	SW8270C	93 J	--	130	150	130	110 J
2-Methylphenol (o-Cresol)	SW8270C	460 U	--	480 U	490 U	470 U	570 U
2-Nitroaniline	SW8270C	2400 U	--	2500 U	2500 U	2400 U	2900 UJ
2-Nitrophenol	SW8270C	460 U	--	480 U	490 U	470 U	570 U
3,3'-Dichlorobenzidine	SW8270C	460 UJ	--	480 UJ	490 UJ	470 UJ	570 UJ
3-methylphenol and 4-methylphenol (m&p-cresol)	SW8270C	460 U	--	480 U	61 J	87 J	110 J
3-Nitroaniline	SW8270C	2400 U	--	2500 U	2500 U	2400 U	2900 UJ
4-Bromophenyl-phenyl ether	SW8270C	460 U	--	480 U	490 U	470 U	570 U
4-Chloro-3-methylphenol	SW8270C	460 U	--	480 U	490 U	470 U	570 U
4-Chloroaniline	SW8270C	89 J	--	130 J	150 J	170 J	85 J
4-Chlorophenyl phenyl ether	SW8270C	460 U	--	480 U	490 U	470 U	570 U
4-Nitroaniline	SW8270C	2400 U	--	2500 U	2500 U	2400 U	2900 UJ
4-Nitrophenol	SW8270C	2400 U	--	2500 U	2500 U	2400 U	2900 UJ
Acenaphthene	SW8270C	94 U	--	91 J	100	97	95 J
Acenaphthylene	SW8270C	130	--	160	190	230	140
Acetophenone	SW8270C	38 J	--	2700	44 J	50 J	570 U
Anthracene	SW8270C	260	--	290	330	370	340
Atrazine	SW8270C	460 UJ	--	480 UJ	490 UJ	470 UJ	570 U
Benzaldehyde	SW8270C	120 J	--	1700 J	170 J	170 J	390 J
Benzo(a)anthracene	SW8270C	890	--	930	1100	1300	1500
Benzo(a)pyrene	SW8270C	1000	--	1200	1300	1700	1300 J
Benzo(b)fluoranthene	SW8270C	1100	--	1300	1500	1900	1500 J
Benzo(g,h,i)perylene	SW8270C	760	--	950	1000	1500	640 J
Benzo(k)fluoranthene	SW8270C	520	--	590	580	630	560
Biphenyl (1,1'-Biphenyl)	SW8270C	460 U	--	480 U	47 J	45 J	570 UJ

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2138	Spring Surface Sediment 2139	Spring Surface Sediment 2140	Spring Surface Sediment 2141	Spring Surface Sediment 2142	Spring Surface Sediment 2143
Task		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
Tributary		1.82	1.82	1.82	1.82	1.83	1.92
River Mile		NC054SG_20120430	NC054SG_20120430	NC055SG_20120430	NC055SG_20120430	NC056SG_20120430	NC057SG_20120501
Location ID		NC054SG-000015-20120430	NC1054SG-000015-20120430	NC055SG-000015-20120430	NC1055SG-000015-20120430	NC056SG-000015-20120430	NC057SG-000015-20120501
Sample ID		4/30/2012	4/30/2012	4/30/2012	4/30/2012	4/30/2012	5/1/2012
Sample Date		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Sample Depth		17.7	17.7	22.6	22.6	15.3	14.7
Water Column Depth		N	FD	N	FD	N	N
Sample Type		SE	SE	SE	SE	SE	SE
Matrix							
bis(2-Chloroethoxy)methane	SW8270C	460 U	--	480 U	490 U	470 U	570 U
bis(2-Chloroethyl)ether	SW8270C	94 U	--	98 U	99 U	96 U	120 U
bis(2-Chloroisopropyl)ether	SW8270C	94 U	--	98 U	99 U	96 U	120 UJ
Bis(2-ethylhexyl)phthalate	SW8270C	5300	--	7100	8800	8700	7200
Butylbenzyl phthalate	SW8270C	320 J	--	280 J	440 J	330 J	490 J
Caprolactam	SW8270C	2400 U	--	2500 U	2500 U	2400 U	2900 UJ
Carbazole	SW8270C	110	--	100	110	160	130
Chrysene	SW8270C	930	--	1200	1400	1600	1100 J
Dibenzo(a,h)anthracene	SW8270C	170	--	210	230	340	410 J
Dibenzofuran	SW8270C	57 J	--	67 J	82 J	99 J	66 J
Diethyl phthalate	SW8270C	460 U	--	480 U	490 U	470 U	570 U
Dimethyl phthalate	SW8270C	460 U	--	480 U	490 U	470 U	570 U
Di-n-butyl phthalate	SW8270C	140 J	--	220 J	170 J	180 J	270 J
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)	SW8270C	2400 U	--	2500 U	2500 U	2400 U	2900 UJ
Di-n-octyl phthalate	SW8270C	130 J	--	480 U	160 J	170 J	570 U
Fluoranthene	SW8270C	1600	--	1600	1800	2200	2000
Fluorene	SW8270C	110	--	100	110	130	120
Hexachlorobenzene	SW8270C	94 U	--	98 U	99 U	96 U	120 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270C	94 U	--	98 U	99 U	96 U	120 U
Hexachlorocyclopentadiene	SW8270C	460 U	--	480 U	490 U	470 U	570 UJ
Hexachloroethane	SW8270C	460 U	--	480 U	490 U	470 U	570 U
Indeno(1,2,3-c,d)pyrene	SW8270C	640	--	800	860	1200	780 J
Isophorone	SW8270C	460 U	--	480 U	490 U	470 U	570 U
Naphthalene	SW8270C	130	--	180	200	210	160
Nitrobenzene	SW8270C	940 U	--	980 U	980 U	960 U	1100 UJ
N-Nitrosodi-N-propylamine	SW8270C	94 U	--	98 U	99 U	96 U	120 UJ
N-Nitrosodiphenylamine	SW8270C	460 U	--	480 U	490 U	470 U	570 U
Pentachlorophenol	SW8270C	460 U	--	480 U	490 U	470 U	570 UJ
Phenanthrene	SW8270C	660	--	720	740	990	920
Phenol	SW8270C	94 U	--	490	99 U	96 U	120 U
Pyrene	SW8270C	1700	--	2000	2400	2800	1900

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2138	Spring Surface Sediment 2139	Spring Surface Sediment 2140	Spring Surface Sediment 2141	Spring Surface Sediment 2142	Spring Surface Sediment 2143
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.82	1.82	1.82	1.82	1.83	1.92
Location ID		NC054SG_20120430	NC054SG_20120430	NC055SG_20120430	NC055SG_20120430	NC056SG_20120430	NC057SG_20120501
Sample ID		NC054SG-000015-20120430	NC1054SG-000015-20120430	NC055SG-000015-20120430	NC1055SG-000015-20120430	NC056SG-000015-20120430	NC057SG-000015-20120501
Sample Date		4/30/2012	4/30/2012	4/30/2012	4/30/2012	4/30/2012	5/1/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		17.7	17.7	22.6	22.6	15.3	14.7
Sample Type		N	FD	N	FD	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total cresol (o,m,p) (U = 0)	--	460 U	--	480 U	61 J	87 J	110 J
Total cresol (o,m,p) (U = 1/2)	--	460 U	--	480 U	306 J	322 J	395 J
Polycyclic Aromatic Hydrocarbons (µg/kg)							
1,6,7-Trimethylnaphthalene	SW8270CMSIM	78.6 J	--	44.5 J	35	41.8 J	51.8 J
1-Methyldibenzothiophene	SW8270CMSIM	219 U	--	38.1 J	28.6	31.9 J	31.5 J
1-Methylnaphthalene	SW8270CMSIM	114 J	--	97	89.3	113	89.3
1-Methylphenanthrene	SW8270CMSIM	238	--	202	188	238	187
2,6-Dimethylnaphthalene	SW8270CMSIM	204 J	--	187	182	215	180
2-Methylantracene	SW8270CMSIM	126 J	--	333	115	165	151
2-Methyldibenzothiophene and 3-methyldibenzothiophene	SW8270CMSIM	219 U	--	108	81.8	83.3	72.7
2-Methylnaphthalene	SW8270CMSIM	227	--	243	251	295	215
2-Methylphenanthrene	SW8270CMSIM	218 J	--	245	213	289	225
4-Methyldibenzothiophene	SW8270CMSIM	76.5 J	--	95.9	81.4	99.6	80.9
4-Methylphenanthrene and 9-methylphenanthrene	SW8270CMSIM	193 J	--	371	201	275	229
Acenaphthene	SW8270CMSIM	191 J	--	123	108	147	154
Acenaphthylene	SW8270CMSIM	226	--	234	169	229	176
Anthracene	SW8270CMSIM	544	--	584	390	553	574
Benzo(a)anthracene	SW8270CMSIM	1610	--	2400	1400	1980	1790
Benzo(a)pyrene	SW8270CMSIM	2070	--	3860	1760	2580	2350
Benzo(b)fluoranthene	SW8270CMSIM	2430	--	5070	2100	3080	2440
Benzo(e)pyrene	SW8270CMSIM	1810	--	7330	1780	2610	1980
Benzo(g,h,i)perylene	SW8270CMSIM	1650	--	3690	1470	2180	1760
Benzo(j,k)fluoranthene	SW8270CMSIM	1530	--	2210	1650	2230	1990
Benzonaphthothiophene	SW8270CMSIM	679	--	1650	670	928	790
Benzothiophene	SW8270CMSIM	219 U	--	17.4 J	15.2 J	20.4 J	52.8 U
Carbazole	SW8270CMSIM	167 J	--	199	134	216	186
Chrysene	SW8270CMSIM	1840	--	3780	1730	2450	2040
Decalin, cis and trans-	SW8270CMSIM	109 U	--	56.5	43.4	54.1	56.5
Dibenzo(a,h)anthracene and dibenzo(a,c)anthracene	SW8270CMSIM	553	--	1980	475	738	574
Dibenzothiophene	SW8270CMSIM	177 J	--	139	110	148	134

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2138	Spring Surface Sediment 2139	Spring Surface Sediment 2140	Spring Surface Sediment 2141	Spring Surface Sediment 2142	Spring Surface Sediment 2143
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.82	1.82	1.82	1.82	1.83	1.92
Location ID		NC054SG_20120430	NC054SG_20120430	NC055SG_20120430	NC055SG_20120430	NC056SG_20120430	NC057SG_20120501
Sample ID		NC054SG-000015-20120430	NC1054SG-000015-20120430	NC055SG-000015-20120430	NC1055SG-000015-20120430	NC056SG-000015-20120430	NC057SG-000015-20120501
Sample Date		4/30/2012	4/30/2012	4/30/2012	4/30/2012	4/30/2012	5/1/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		17.7	17.7	22.6	22.6	15.3	14.7
Sample Type		N	FD	N	FD	N	N
Matrix		SE	SE	SE	SE	SE	SE
Fluoranthene	SW8270CMSIM	3530	--	3850	3200	4630	4380
Fluorene	SW8270CMSIM	182 J	--	155	133	175	167
Indeno(1,2,3-c,d)pyrene	SW8270CMSIM	1530	--	2630	1390	2000	1670
Naphthalene	SW8270CMSIM	320	--	331	331	430	324
Perylene	SW8270CMSIM	684	--	670	601	772	688
Phenanthrene	SW8270CMSIM	1210	--	1290	1110	1650	1490
Pyrene	SW8270CMSIM	4040	--	7180	4030	5740	4830
Retene	SW8270CMSIM	219 U	--	54.4 U	23.1 U	42.6 U	52.8 U
Total benzofluoranthenes (U = 0)	--	3960	--	7280	3750	5310	4430
Total benzofluoranthenes (U = 1/2)	--	3960	--	7280	3750	5310	4430
Total cPAH TEQ (USEPA 1993) (U = 0)	--	3197.14	--	6875.88	2742.23	4048.75	3535.94
Total cPAH TEQ (USEPA 1993) (U = 1/2)	--	3197.14	--	6875.88	2742.23	4048.75	3535.94
Total HPAH (9 of 16) (U = 0)	--	20783	--	36650	19205	27608	23824
Total HPAH (9 of 16) (U = 1/2)	--	20783	--	36650	19205	27608	23824
Total LPAH (7 of 16) (U = 0)	--	2900 J	--	2960	2492	3479	3100
Total LPAH (7 of 16) (U = 1/2)	--	2900 J	--	2960	2492	3479	3100
Total PAH (16) (U = 0)	--	23683 J	--	39610	21697	31087	26924
Total PAH (16) (U = 1/2)	--	23683 J	--	39610	21697	31087	26924
Alkylated Polycyclic Aromatic Hydrocarbons (µg/kg)							
C1-Benzo(a)anthracenes/chrysenes	SW8270CMSIM	1640	--	19500	1680	2640	1720
C1-Benzo(b)thiophenes	SW8270CMSIM	219 U	--	81.8	38.2	54.2	31.3 J
C1-Decalins	SW8270CMSIM	388	--	715	195	210	261
C1-Dibenzothiophenes	SW8270CMSIM	211 J	--	315	214	243	212
C1-Fluoranthenes/Pyrenes	SW8270CMSIM	2820	--	10200	2920	4050	3040
C1-Fluorenes	SW8270CMSIM	137 J	--	159	123	165	130
C1-Naphthalenes	SW8270CMSIM	199 J	--	203	202	240	181
C1-Phenanthrenes/Anthracenes	SW8270CMSIM	915	--	1420	872	1190	961
C2-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	1460	--	18200	1540	2700	1580
C2-Benzo(b)thiophenes	SW8270CMSIM	219 U	--	91	33.3	43.4	34.3 J
C2-Decalins	SW8270CMSIM	219 U	--	2120	624	757	782
C2-Dibenzothiophenes	SW8270CMSIM	560	--	935	580	684	576
C2-Fluorenes	SW8270CMSIM	454	--	1000	435	510	444
C2-Naphthalenes	SW8270CMSIM	313	--	286	242	291	251

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2138	Spring Surface Sediment 2139	Spring Surface Sediment 2140	Spring Surface Sediment 2141	Spring Surface Sediment 2142	Spring Surface Sediment 2143
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.82	1.82	1.82	1.82	1.83	1.92
Location ID		NC054SG_20120430	NC054SG_20120430	NC055SG_20120430	NC055SG_20120430	NC056SG_20120430	NC057SG_20120501
Sample ID		NC054SG-000015-20120430	NC1054SG-000015-20120430	NC055SG-000015-20120430	NC1055SG-000015-20120430	NC056SG-000015-20120430	NC057SG-000015-20120501
Sample Date		4/30/2012	4/30/2012	4/30/2012	4/30/2012	4/30/2012	5/1/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		17.7	17.7	22.6	22.6	15.3	14.7
Sample Type		N	FD	N	FD	N	N
Matrix		SE	SE	SE	SE	SE	SE
C2-Phenanthrenes/Anthracenes	SW8270CMSIM	1050	--	3760	1180	1500	1290
C3-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	2260	--	11400	1430	2580	1640
C3-Benzo(b)thiophenes	SW8270CMSIM	219 U	--	299	76	105	78.5
C3-Decalins	SW8270CMSIM	219 U	--	2080	746	849	685
C3-Dibenzothiophenes	SW8270CMSIM	933	--	2330	952	1240	944
C3-Fluorenes	SW8270CMSIM	1280	--	3260	942	1280	968
C3-Naphthalenes	SW8270CMSIM	314	--	396	273	337	303
C3-Phenanthrenes/Anthracenes	SW8270CMSIM	1370	--	7580	1420	1990	1530
C4-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	219 U	--	6030	784	1460	1120
C4-Benzo(b)thiophenes	SW8270CMSIM	219 U	--	352	104	134	52.8 U
C4-Decalins	SW8270CMSIM	219 U	--	3500	1240	1700	1290
C4-Dibenzothiophenes	SW8270CMSIM	676	--	1980	670	1010	696
C4-Naphthalenes	SW8270CMSIM	585	--	1200	453	574	505
C4-Phenanthrenes/Anthracenes	SW8270CMSIM	980	--	6370	1020	1620	973
n-Alkanes and Isoprenoids (µg/kg)							
2,6,10-Trimethyldodecane	SW8015M	2920 U	--	2500 J	456 J	523 J	3520 U
2,6,10-Trimethyltridecane	SW8015M	1460 J	--	6980 J	1420 J	1660 J	1300 J
n-Decane (C10)	SW8015M	2920 U	--	3630 U	1540 U	2840 U	3520 U
n-Docosane (C22)	SW8015M	654 J	--	15200	598 J	838 J	764 J
n-Dodecane (C12)	SW8015M	2920 U	--	823 J	1540 U	2840 U	3520 U
n-Dotriacontane (C32)	SW8015M	6780	--	9110	6450	9340	7710
n-Eicosane (C20)	SW8015M	607 J	--	15900	622 J	705 J	549 J
n-Heneicosane (C21)	SW8015M	866 J	--	14600	798 J	1030 J	725 J
n-Hentriacontane (C31)	SW8015M	2580 J	--	6480	3590	3380	3080 J
n-Heptacosane (C27)	SW8015M	1250 J	--	8430	1500 J	1120 J	2050 J
n-Heptadecane (C17)	SW8015M	2920 U	--	14900	852 J	952 J	3520 U
n-Heptatriacontane (C37)	SW8015M	1230 J	--	1530 J	1120 J	1320 J	1380 J
n-Hexacosane (C26)	SW8015M	1300 J	--	10700	1120 J	1780 J	1060 J
n-Hexadecane (C16)	SW8015M	718 J	--	12200	581 J	634 J	3520 U
n-Hexatriacontane (C36)	SW8015M	1490 J	--	2100 J	1160 J	1540 J	1720 J
n-Nonacosane (C29)	SW8015M	4930	--	21400	6030	6380	6780
n-Nonadecane (C19)	SW8015M	2920 U	--	14800	473 J	2840 U	3520 U
n-Nonane (C9)	SW8015M	2920 U	--	3630 U	1540 U	2840 U	3520 U

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2138	Spring Surface Sediment 2139	Spring Surface Sediment 2140	Spring Surface Sediment 2141	Spring Surface Sediment 2142	Spring Surface Sediment 2143
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.82	1.82	1.82	1.82	1.83	1.92
Location ID		NC054SG_20120430	NC054SG_20120430	NC055SG_20120430	NC055SG_20120430	NC056SG_20120430	NC057SG_20120501
Sample ID		NC054SG-000015-20120430	NC1054SG-000015-20120430	NC055SG-000015-20120430	NC1055SG-000015-20120430	NC056SG-000015-20120430	NC057SG-000015-20120501
Sample Date		4/30/2012	4/30/2012	4/30/2012	4/30/2012	4/30/2012	5/1/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		17.7	17.7	22.6	22.6	15.3	14.7
Sample Type		N	FD	N	FD	N	N
Matrix		SE	SE	SE	SE	SE	SE
n-Nonatriacontane (C39)	SW8015M	977 J	--	1310 J	1010 J	1300 J	1150 J
n-Octacosane (C28)	SW8015M	1650 J	--	6220	1920	2570 J	1930 J
n-Octadecane (C18)	SW8015M	1860 J	--	16600 J	1590 J	2130 J	1950 J
n-Octatriacontane (C38)	SW8015M	872 J	--	1560 J	1090 J	1190 J	918 J
Norpristane	SW8015M	2920 U	--	7810	937 J	1080 J	3520 U
n-Pentacosane (C25)	SW8015M	4930 J	--	17400 J	4650 J	6050 J	4290 J
n-Pentadecane (C15)	SW8015M	989 J	--	11200	769 J	918 J	725 J
n-Pentatriacontane (C35)	SW8015M	1300 J	--	2470 J	1420 J	1520 J	1550 J
n-Tetracontane (C40)	SW8015M	1420 J	--	1650 J	1450 J	1100 J	3520 U
n-Tetracosane (C24)	SW8015M	2920 U	--	10700	391 J	617 J	3520 U
n-Tetradecane (C14)	SW8015M	581 J	--	5020	732 J	750 J	535 J
n-Tetratriacontane (C34)	SW8015M	3580	--	3700	2930	4020	3100 J
n-Triacontane (C30)	SW8015M	1950 J	--	6930	1970	2740 J	2240 J
n-Tricosane (C23)	SW8015M	931 J	--	12000	374 J	614 J	3520 U
n-Tridecane (C13)	SW8015M	2920 U	--	1860 J	1540 U	2840 U	3520 U
n-Tritriacontane (C33)	SW8015M	6900	--	8420	6890	8540	7090
n-Undecane (C11)	SW8015M	2920 U	--	3630 U	1540 U	2840 U	3520 U
Pesticides (µg/kg)							
2,4'-DDD (o,p'-DDD)	SW8081A	6.5	--	5.4	1.7 J	5.1 J	7.3 J
2,4'-DDE (o,p'-DDE)	SW8081A	3.2	--	2.8	1.8 J	3.5 J	1.5 J
2,4'-DDT (o,p'-DDT)	SW8081A	0.29 U	--	0.3 U	0.66 J	0.79 J	1.9 J
4,4'-DDD (p,p'-DDD)	SW8081A	11	--	8.8	7.5	11	14
4,4'-DDE (p,p'-DDE)	SW8081A	12	--	11	5.5 J	9.3 J	14
4,4'-DDT (p,p'-DDT)	SW8081A	4.4	--	3.1	4.5	5.1	6.4 J
Aldrin	SW8081A	0.071 J	--	0.3 U	0.31 U	0.94 J	0.15 J
alpha-Hexachlorocyclohexane (BHC)	SW8081A	0.29 U	--	0.3 U	0.31 U	0.11 J	0.4
Chlordane, alpha- (cis-Chlordane)	SW8081A	12	--	9	4.3 J	11	15
Chlordane, beta- (trans-Chlordane)	SW8081A	0.29 U	--	0.3 U	0.31 U	0.3 U	0.29 U
delta-Hexachlorocyclohexane (BHC)	SW8081A	0.046 J	--	0.3 U	0.31 U	0.48	0.31 J
Dieldrin	SW8081A	2.8	--	2.1	0.66 J	3.4	3.6
Endosulfan sulfate	SW8081A	1.6	--	0.78 J	0.38 J	1.4 J	1.2 J
Endosulfan-alpha (I)	SW8081A	0.29 U	--	0.3 U	0.31 U	0.3 U	0.29 U
Endosulfan-beta (II)	SW8081A	0.29 U	--	0.26 J	0.31 U	1.3	0.29 UJ

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2138	Spring Surface Sediment 2139	Spring Surface Sediment 2140	Spring Surface Sediment 2141	Spring Surface Sediment 2142	Spring Surface Sediment 2143
Task		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
Tributary		1.82	1.82	1.82	1.82	1.83	1.92
River Mile		NC054SG_20120430	NC054SG_20120430	NC055SG_20120430	NC055SG_20120430	NC056SG_20120430	NC057SG_20120501
Location ID		NC054SG-000015-20120430	NC1054SG-000015-20120430	NC055SG-000015-20120430	NC1055SG-000015-20120430	NC056SG-000015-20120430	NC057SG-000015-20120501
Sample ID		4/30/2012	4/30/2012	4/30/2012	4/30/2012	4/30/2012	5/1/2012
Sample Date		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Sample Depth		17.7	17.7	22.6	22.6	15.3	14.7
Water Column Depth		N	FD	N	FD	N	N
Sample Type		SE	SE	SE	SE	SE	SE
Matrix							
Endrin	SW8081A	0.29 U	--	1.4	0.39 J	1.2 J	0.29 U
Endrin aldehyde	SW8081A	1 J	--	0.3 UJ	0.075 J	0.57 J	1.6 J
Endrin ketone	SW8081A	1.3 J	--	1.2 J	0.91 J	1.1 J	2.9 J
Heptachlor	SW8081A	0.29 U	--	0.3 U	0.31 U	0.3 U	0.29 U
Heptachlor epoxide	SW8081A	0.4 J	--	0.25 J	0.31 U	0.8 J	0.63 J
Hexachlorobenzene	SW8081A	0.79	--	0.46 J	0.46	0.62	0.82 J
Hexachlorocyclohexane, beta- (BHC)	SW8081A	0.29 U	--	0.85	0.74	0.55 J	0.29 U
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	SW8081A	0.29 U	--	0.3 U	0.31 U	0.3 U	0.29 U
Methoxychlor	SW8081A	0.58 U	--	0.61 U	0.61 U	0.6 U	0.58 UJ
Mirex	SW8081A	0.29 U	--	0.3 U	0.31 U	0.3 U	0.29 U
Nonachlor, cis-	SW8081A	3.4	--	2.2	0.7 J	3	3.8
Nonachlor, trans-	SW8081A	0.88 J	--	0.64 J	0.87 J	2.9 J	1.2 J
Oxychlordanes	SW8081A	0.73 J	--	0.6 J	0.34 J	1.3	0.7 J
Sum DDD (U = 0)	--	17.5	--	14.2	9.2 J	16.1 J	21.3 J
Sum DDD (U = 1/2)	--	17.5	--	14.2	9.2 J	16.1 J	21.3 J
Sum DDE (U = 0)	--	15.2	--	13.8	7.3 J	12.8 J	15.5 J
Sum DDE (U = 1/2)	--	15.2	--	13.8	7.3 J	12.8 J	15.5 J
Sum DDT (U = 0)	--	4.4	--	3.1	5.16 J	5.89 J	8.3 J
Sum DDT (U = 1/2)	--	4.54	--	3.25	5.16 J	5.89 J	8.3 J
Total chlordanes (U = 0)	--	17.01 J	--	12.44 J	6.21 J	18.2 J	20.7 J
Total chlordanes (U = 1/2)	--	17.16 J	--	12.59 J	6.37 J	18.35 J	20.84 J
Total DDx (U = 0)	--	37.1	--	31.1	21.66 J	34.79 J	45.1 J
Total DDx (U = 1/2)	--	37.25	--	31.25	21.66 J	34.79 J	45.1 J
Toxaphene	SW8081A	12 U	--	12 U	12 U	12 U	12 U
Pesticides - High Resolution (µg/kg)							
2,4'-DDD (o,p'-DDD)	E1699	6.2	8.8	--	--	--	--
2,4'-DDE (o,p'-DDE)	E1699	1.4 J	1.8 J	--	--	--	--
2,4'-DDT (o,p'-DDT)	E1699	0.36 U	1.8 J	--	--	--	--
4,4'-DDD (p,p'-DDD)	E1699	17	25	--	--	--	--
4,4'-DDE (p,p'-DDE)	E1699	18	25	--	--	--	--
4,4'-DDT (p,p'-DDT)	E1699	2.7	6.6	--	--	--	--
Aldrin	E1699	0.091 U	0.1 U	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2138	Spring Surface Sediment 2139	Spring Surface Sediment 2140	Spring Surface Sediment 2141	Spring Surface Sediment 2142	Spring Surface Sediment 2143
Task		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
Tributary		1.82	1.82	1.82	1.82	1.83	1.92
River Mile		NC054SG_20120430	NC054SG_20120430	NC055SG_20120430	NC055SG_20120430	NC056SG_20120430	NC057SG_20120501
Location ID		NC054SG-000015-20120430	NC1054SG-000015-20120430	NC055SG-000015-20120430	NC1055SG-000015-20120430	NC056SG-000015-20120430	NC057SG-000015-20120501
Sample ID		4/30/2012	4/30/2012	4/30/2012	4/30/2012	4/30/2012	5/1/2012
Sample Date		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Sample Depth		17.7	17.7	22.6	22.6	15.3	14.7
Water Column Depth		N	FD	N	FD	N	N
Sample Type		SE	SE	SE	SE	SE	SE
Matrix							
alpha-Hexachlorocyclohexane (BHC)	E1699	0.19 U	0.14 U	--	--	--	--
Chlordane, alpha- (cis-Chlordane)	E1699	13	19	--	--	--	--
Chlordane, beta- (trans-Chlordane)	E1699	15	21	--	--	--	--
delta-Hexachlorocyclohexane (BHC)	E1699	0.31 U	0.25 U	--	--	--	--
Dieldrin	E1699	3.7	5.5	--	--	--	--
Endosulfan sulfate	E1699	0.11 U	0.075 U	--	--	--	--
Endosulfan-alpha (I)	E1699	0.35 U	0.45 U	--	--	--	--
Endosulfan-beta (II)	E1699	0.73 U	0.73 U	--	--	--	--
Endrin	E1699	0.16 U	0.22 U	--	--	--	--
Endrin aldehyde	E1699	0.26 U	0.24 U	--	--	--	--
Endrin ketone	E1699	0.28 U	0.25 U	--	--	--	--
Heptachlor	E1699	0.053 U	0.11 J	--	--	--	--
Heptachlor epoxide	E1699	0.26 J	0.39 J	--	--	--	--
Hexachlorobenzene	E1699	1.7 J	2.5	--	--	--	--
Hexachlorocyclohexane, beta- (BHC)	E1699	0.22 U	0.14 U	--	--	--	--
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	E1699	0.22 U	0.17 U	--	--	--	--
Methoxychlor	E1699	0.18 U	0.19 U	--	--	--	--
Mirex	E1699	0.39 J	0.45 J	--	--	--	--
Nonachlor, cis-	E1699	3.4	5.5	--	--	--	--
Nonachlor, trans-	E1699	8.3	12	--	--	--	--
Oxychlordane	E1699	0.13 U	0.096 U	--	--	--	--
Sum DDD high resolution (U = 0)	--	23.2	33.8	--	--	--	--
Sum DDD high resolution (U = 1/2)	--	23.2	33.8	--	--	--	--
Sum DDE high resolution (U = 0)	--	19.4 J	26.8 J	--	--	--	--
Sum DDE high resolution (U = 1/2)	--	19.4 J	26.8 J	--	--	--	--
Sum DDT high resolution (U = 0)	--	2.7	8.4 J	--	--	--	--
Sum DDT high resolution (U = 1/2)	--	2.88	8.4 J	--	--	--	--
Total chlordane high resolution (U = 0)	--	39.7	57.5	--	--	--	--
Total chlordane high resolution (U = 1/2)	--	39.77	57.548	--	--	--	--
Total DDx high resolution (U = 0)	--	45.3 J	69 J	--	--	--	--
Total DDx high resolution (U = 1/2)	--	45.48 J	69 J	--	--	--	--
Toxaphene	E1699	4.4 U	5.2 U	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2138	Spring Surface Sediment 2139	Spring Surface Sediment 2140	Spring Surface Sediment 2141	Spring Surface Sediment 2142	Spring Surface Sediment 2143
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.82	1.82	1.82	1.82	1.83	1.92
Location ID		NC054SG_20120430	NC054SG_20120430	NC055SG_20120430	NC055SG_20120430	NC056SG_20120430	NC057SG_20120501
Sample ID		NC054SG-000015-20120430	NC1054SG-000015-20120430	NC055SG-000015-20120430	NC1055SG-000015-20120430	NC056SG-000015-20120430	NC057SG-000015-20120501
Sample Date		4/30/2012	4/30/2012	4/30/2012	4/30/2012	4/30/2012	5/1/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		17.7	17.7	22.6	22.6	15.3	14.7
Sample Type		N	FD	N	FD	N	N
Matrix		SE	SE	SE	SE	SE	SE
Herbicides (µg/kg)							
2,2-Dichloropropionic acid (dalapon)	SW8151A	320 UJ	--	330 UJ	330 UJ	320 UJ	310 U
2,4,5-T (2,4,5-trichlorophenoxyacetic acid)	SW8151A	71 U	--	73 U	74 U	72 U	70 U
2,4,5-TP (Silvex)	SW8151A	71 U	--	73 U	74 U	72 U	70 U
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	280 U	--	290 U	300 U	290 U	280 U
2,4-DB (2,4-D derivative)	SW8151A	280 U	--	290 U	300 U	290 U	280 U
Dicamba	SW8151A	140 U	--	150 U	150 U	140 U	140 U
Dichlorprop	SW8151A	280 U	--	290 U	300 U	290 U	35 J
Dinoseb	SW8151A	42 UJ	--	44 UJ	44 UJ	43 UJ	42 U
Mecoprop (MCP)	SW8151A	28000 U	--	29000 U	30000 U	29000 U	28000 U
Mephanac (MCPA)	SW8151A	28000 U	--	29000 U	30000 U	29000 U	28000 U
Dioxin Furans (ng/kg)							
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	7.98	7.09	--	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	14.7 J	12.3	--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	22.9	20.7	--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	64.9	51.2	--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	51.3	40.7	--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B	992	926	--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B	8460	9160	--	--	--	--
Total tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	178 J	147 J	--	--	--	--
Total pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	195 J	158 J	--	--	--	--
Total hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	668	522	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2138	Spring Surface Sediment 2139	Spring Surface Sediment 2140	Spring Surface Sediment 2141	Spring Surface Sediment 2142	Spring Surface Sediment 2143
Task		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
Tributary		1.82	1.82	1.82	1.82	1.83	1.92
River Mile		NC054SG_20120430	NC054SG_20120430	NC055SG_20120430	NC055SG_20120430	NC056SG_20120430	NC057SG_20120501
Location ID		NC054SG-000015-20120430	NC1054SG-000015-20120430	NC055SG-000015-20120430	NC1055SG-000015-20120430	NC056SG-000015-20120430	NC057SG-000015-20120501
Sample ID		4/30/2012	4/30/2012	4/30/2012	4/30/2012	4/30/2012	5/1/2012
Sample Date		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Sample Depth		17.7	17.7	22.6	22.6	15.3	14.7
Water Column Depth		N	FD	N	FD	N	N
Sample Type		SE	SE	SE	SE	SE	SE
Matrix							
Total heptachlorodibenzo-p-dioxin (HpCDD)	E1613B	2070	1980	--	--	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B	29.3	27.3	--	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B	63	54	--	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B	48	43.6	--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B	209	179	--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B	116	104	--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B	0.468 U	0.632 U	--	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B	61.1	52.8	--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B	1180	1060	--	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B	37.7	31.9	--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B	1290	1220	--	--	--	--
Total tetrachlorodibenzofuran (TCDF)	E1613B	714	638 J	--	--	--	--
Total pentachlorodibenzofuran (PeCDF)	E1613B	911 J	708 J	--	--	--	--
Total hexachlorodibenzofuran (HxCDF)	E1613B	1290 J	1130 J	--	--	--	--
Total heptachlorodibenzofuran (HpCDF)	E1613B	1590	1450	--	--	--	--
Total dioxin/furan TEQ 1998 (avian) (U = 0)	--	165.958 J	147.77	--	--	--	--
Total dioxin/furan TEQ 1998 (avian) (U = 1/2)	--	165.981 J	147.802	--	--	--	--
Total dioxin/furan TEQ 1998 (fish) (U = 0)	--	116.661 J	102.987	--	--	--	--
Total dioxin/furan TEQ 1998 (fish) (U = 1/2)	--	116.684 J	103.019	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2138	Spring Surface Sediment 2139	Spring Surface Sediment 2140	Spring Surface Sediment 2141	Spring Surface Sediment 2142	Spring Surface Sediment 2143
Task		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
Tributary		1.82	1.82	1.82	1.82	1.83	1.92
River Mile		NC054SG_20120430	NC054SG_20120430	NC055SG_20120430	NC055SG_20120430	NC056SG_20120430	NC057SG_20120501
Location ID		NC054SG-000015-20120430	NC1054SG-000015-20120430	NC055SG-000015-20120430	NC1055SG-000015-20120430	NC056SG-000015-20120430	NC057SG-000015-20120501
Sample ID		4/30/2012	4/30/2012	4/30/2012	4/30/2012	4/30/2012	5/1/2012
Sample Date		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Sample Depth		17.7	17.7	22.6	22.6	15.3	14.7
Water Column Depth		N	FD	N	FD	N	N
Sample Type		SE	SE	SE	SE	SE	SE
Matrix							
Total dioxin/furan TEQ 2005 (mammal) (U = 0)	--	119.442 J	104.953	--	--	--	--
Total dioxin/furan TEQ 2005 (mammal) (U = 1/2)	--	119.465 J	104.985	--	--	--	--
PCB Aroclors (µg/kg)							
Aroclor 1016	SW8082A	7.3 U	--	7.6 U	7.7 U	7.5 U	15 U
Aroclor 1221	SW8082A	7.3 U	--	7.6 U	7.7 U	7.5 U	15 U
Aroclor 1232	SW8082A	7.3 U	--	7.6 U	7.7 U	7.5 U	15 U
Aroclor 1242	SW8082A	120	--	130	100	130	210
Aroclor 1248	SW8082A	7.3 U	--	7.6 U	7.7 U	7.5 U	15 U
Aroclor 1254	SW8082A	270	--	300	240	300	590
Aroclor 1260	SW8082A	7.3 U	--	7.6 U	7.7 U	7.5 U	15 U
Aroclor 1262	SW8082A	7.3 U	--	7.6 U	7.7 U	7.5 U	15 U
Aroclor 1268	SW8082A	7.3 U	--	7.6 U	7.7 U	7.5 U	15 U
Total PCB Aroclors (U = 0)	--	390	--	430	340	430	800
Total PCB Aroclors (U = 1/2)	--	415.5	--	456.6	366.9	456.3	852.5
PCB Congeners (ng/kg)							
PCB-001	E1668B	3230	3110	--	--	--	--
PCB-002	E1668B	621	577	--	--	--	--
PCB-003	E1668B	3510	3280	--	--	--	--
PCB-004	E1668B	6260	5700	--	--	--	--
PCB-005	E1668B	178 J	158 J	--	--	--	--
PCB-006	E1668B	3660	3350	--	--	--	--
PCB-007	E1668B	478	440	--	--	--	--
PCB-008	E1668B	12000	10700	--	--	--	--
PCB-009	E1668B	738	678	--	--	--	--
PCB-010	E1668B	732	715 J	--	--	--	--
PCB-011	E1668B	2920	2570	--	--	--	--
PCB-012/013	E1668B	3770	3340	--	--	--	--
PCB-014	E1668B	22.3 U	22.1 U	--	--	--	--
PCB-015	E1668B	24400 J	21800 J	--	--	--	--
PCB-016	E1668B	6160	5800	--	--	--	--
PCB-017	E1668B	10500	9890	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2138	Spring Surface Sediment 2139	Spring Surface Sediment 2140	Spring Surface Sediment 2141	Spring Surface Sediment 2142	Spring Surface Sediment 2143
Task		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
Tributary		1.82	1.82	1.82	1.82	1.83	1.92
River Mile		NC054SG_20120430	NC054SG_20120430	NC055SG_20120430	NC055SG_20120430	NC056SG_20120430	NC057SG_20120501
Location ID		NC054SG-000015-20120430	NC1054SG-000015-20120430	NC055SG-000015-20120430	NC1055SG-000015-20120430	NC056SG-000015-20120430	NC057SG-000015-20120501
Sample ID		4/30/2012	4/30/2012	4/30/2012	4/30/2012	4/30/2012	5/1/2012
Sample Date		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Sample Depth		17.7	17.7	22.6	22.6	15.3	14.7
Water Column Depth		N	FD	N	FD	N	N
Sample Type		SE	SE	SE	SE	SE	SE
Matrix							
PCB-018/030	E1668B	16400	15300	--	--	--	--
PCB-019	E1668B	1920	1800	--	--	--	--
PCB-020/028	E1668B	55000 J	53100 J	--	--	--	--
PCB-021/033	E1668B	12400	11600	--	--	--	--
PCB-022	E1668B	12400	11800	--	--	--	--
PCB-023	E1668B	29.4 J	3.79 U	--	--	--	--
PCB-024	E1668B	3.67 U	4.55 U	--	--	--	--
PCB-025	E1668B	5960	5730	--	--	--	--
PCB-026/029	E1668B	10500	9890	--	--	--	--
PCB-027	E1668B	2610	2430	--	--	--	--
PCB-031	E1668B	41100 J	38900 J	--	--	--	--
PCB-032	E1668B	7560	7230	--	--	--	--
PCB-034	E1668B	279	283	--	--	--	--
PCB-035	E1668B	1080	1040	--	--	--	--
PCB-036	E1668B	8.2 U	10.3 U	--	--	--	--
PCB-037	E1668B	16300 J	14800 J	--	--	--	--
PCB-038	E1668B	8.41 U	10.6 U	--	--	--	--
PCB-039	E1668B	8.33 U	10.5 U	--	--	--	--
PCB-040/071	E1668B	14100	12100	--	--	--	--
PCB-041	E1668B	2870	2180	--	--	--	--
PCB-042	E1668B	8600	7580	--	--	--	--
PCB-043	E1668B	1340	1170	--	--	--	--
PCB-044/047/065	E1668B	32000	27500	--	--	--	--
PCB-045	E1668B	--	--	--	--	--	--
PCB-045/051	E1668B	5630	4830	--	--	--	--
PCB-046	E1668B	1690	1420	--	--	--	--
PCB-048	E1668B	5820	5140	--	--	--	--
PCB-049/069	E1668B	22500	19700	--	--	--	--
PCB-050/053	E1668B	4220	3740	--	--	--	--
PCB-051	E1668B	--	--	--	--	--	--
PCB-052	E1668B	39000 J	33800 J	--	--	--	--
PCB-054	E1668B	111	100	--	--	--	--
PCB-055	E1668B	9.89 U	10.3 U	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2138	Spring Surface Sediment 2139	Spring Surface Sediment 2140	Spring Surface Sediment 2141	Spring Surface Sediment 2142	Spring Surface Sediment 2143
Task		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
Tributary		1.82	1.82	1.82	1.82	1.83	1.92
River Mile		NC054SG_20120430	NC054SG_20120430	NC055SG_20120430	NC055SG_20120430	NC056SG_20120430	NC057SG_20120501
Location ID		NC054SG-000015-20120430	NC1054SG-000015-20120430	NC055SG-000015-20120430	NC1055SG-000015-20120430	NC056SG-000015-20120430	NC057SG-000015-20120501
Sample ID		4/30/2012	4/30/2012	4/30/2012	4/30/2012	4/30/2012	5/1/2012
Sample Date		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Sample Depth		17.7	17.7	22.6	22.6	15.3	14.7
Water Column Depth		N	FD	N	FD	N	N
Sample Type		SE	SE	SE	SE	SE	SE
Matrix							
PCB-056	E1668B	15000 J	13100	--	--	--	--
PCB-057	E1668B	10.8 U	11.3 U	--	--	--	--
PCB-058	E1668B	10.6 U	11 U	--	--	--	--
PCB-059/062/075	E1668B	2780	2350	--	--	--	--
PCB-060	E1668B	7440	6430	--	--	--	--
PCB-061/070/074/076	E1668B	49800	42700	--	--	--	--
PCB-063	E1668B	1310	1100	--	--	--	--
PCB-064	E1668B	11700	9760	--	--	--	--
PCB-066	E1668B	34700 J	30500 J	--	--	--	--
PCB-067	E1668B	1140	982	--	--	--	--
PCB-068	E1668B	283	228	--	--	--	--
PCB-072	E1668B	424	364	--	--	--	--
PCB-073	E1668B	3.54 U	3.75 U	--	--	--	--
PCB-077	E1668B	4760	4040	--	--	--	--
PCB-078	E1668B	11.4 U	11.8 U	--	--	--	--
PCB-079	E1668B	9.84 U	10.2 U	--	--	--	--
PCB-080	E1668B	9.99 U	10.4 U	--	--	--	--
PCB-081	E1668B	146	136	--	--	--	--
PCB-082	E1668B	4700	4120	--	--	--	--
PCB-083	E1668B	1760	1720 J	--	--	--	--
PCB-084	E1668B	8030	6750	--	--	--	--
PCB-085/116	E1668B	--	--	--	--	--	--
PCB-085/116/117	E1668B	5980	5250	--	--	--	--
PCB-086/087/097/108/119/125	E1668B	24900	22100	--	--	--	--
PCB-088	E1668B	--	--	--	--	--	--
PCB-088/091	E1668B	4920	4250	--	--	--	--
PCB-089	E1668B	420	353	--	--	--	--
PCB-090/101/113	E1668B	35800	32800	--	--	--	--
PCB-091	E1668B	--	--	--	--	--	--
PCB-092	E1668B	6440	5760	--	--	--	--
PCB-093/100	E1668B	15.3 U	19.4 U	--	--	--	--
PCB-094	E1668B	230	190	--	--	--	--
PCB-095	E1668B	20800 J	17600 J	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2138	Spring Surface Sediment 2139	Spring Surface Sediment 2140	Spring Surface Sediment 2141	Spring Surface Sediment 2142	Spring Surface Sediment 2143
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	1.82	1.82	1.82	1.82	1.83	1.92
		Location ID	NC054SG_20120430	NC054SG_20120430	NC055SG_20120430	NC055SG_20120430	NC056SG_20120430	NC057SG_20120501
		Sample ID	NC054SG-000015-20120430	NC1054SG-000015-20120430	NC055SG-000015-20120430	NC1055SG-000015-20120430	NC056SG-000015-20120430	NC057SG-000015-20120501
		Sample Date	4/30/2012	4/30/2012	4/30/2012	4/30/2012	4/30/2012	5/1/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	17.7	17.7	22.6	22.6	15.3	14.7
		Sample Type	N	FD	N	FD	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-096	E1668B		295	247	--	--	--	--
PCB-098	E1668B		--	--	--	--	--	--
PCB-098/102	E1668B		1230	1370	--	--	--	--
PCB-099	E1668B		20900 J	18700 J	--	--	--	--
PCB-102	E1668B		--	--	--	--	--	--
PCB-103	E1668B		371	324	--	--	--	--
PCB-104	E1668B		25.6	24.1	--	--	--	--
PCB-105	E1668B		14500 J	12600	--	--	--	--
PCB-106	E1668B		20.9 U	23.9 U	--	--	--	--
PCB-107/124	E1668B		1340	1200	--	--	--	--
PCB-109	E1668B		2420	2400	--	--	--	--
PCB-110	E1668B		--	--	--	--	--	--
PCB-110/115	E1668B		42800 J	38400 J	--	--	--	--
PCB-111	E1668B		10.8 U	13.7 U	--	--	--	--
PCB-112	E1668B		9.93 U	12.6 U	--	--	--	--
PCB-114	E1668B		775	696	--	--	--	--
PCB-115	E1668B		--	--	--	--	--	--
PCB-117	E1668B		--	--	--	--	--	--
PCB-118	E1668B		34500 J	32000 J	--	--	--	--
PCB-120	E1668B		116	104	--	--	--	--
PCB-121	E1668B		10.7 U	13.6 U	--	--	--	--
PCB-122	E1668B		404 J	383	--	--	--	--
PCB-123	E1668B		922	553 J	--	--	--	--
PCB-126	E1668B		28.8 U	29.9 U	--	--	--	--
PCB-127	E1668B		21.3 U	24.4 U	--	--	--	--
PCB-128/166	E1668B		7610	6150	--	--	--	--
PCB-129/138/163	E1668B		53400 J	45500 J	--	--	--	--
PCB-130	E1668B		3180	2670	--	--	--	--
PCB-131	E1668B		662	589	--	--	--	--
PCB-132	E1668B		15500 J	13200	--	--	--	--
PCB-133	E1668B		386 J	684	--	--	--	--
PCB-134	E1668B		2500	1950 J	--	--	--	--
PCB-135/151	E1668B		15600	13400	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2138	Spring Surface Sediment 2139	Spring Surface Sediment 2140	Spring Surface Sediment 2141	Spring Surface Sediment 2142	Spring Surface Sediment 2143
Task		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
Tributary		1.82	1.82	1.82	1.82	1.83	1.92
River Mile		NC054SG_20120430	NC054SG_20120430	NC055SG_20120430	NC055SG_20120430	NC056SG_20120430	NC057SG_20120501
Location ID		NC054SG-000015-20120430	NC1054SG-000015-20120430	NC055SG-000015-20120430	NC1055SG-000015-20120430	NC056SG-000015-20120430	NC057SG-000015-20120501
Sample ID		4/30/2012	4/30/2012	4/30/2012	4/30/2012	4/30/2012	5/1/2012
Sample Date		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Sample Depth		17.7	17.7	22.6	22.6	15.3	14.7
Water Column Depth		N	FD	N	FD	N	N
Sample Type		SE	SE	SE	SE	SE	SE
Matrix							
PCB-136	E1668B	5670	4840	--	--	--	--
PCB-137	E1668B	2050	1850	--	--	--	--
PCB-139/140	E1668B	792	671	--	--	--	--
PCB-141	E1668B	8700	7440	--	--	--	--
PCB-142	E1668B	14.3 U	17.3 U	--	--	--	--
PCB-143	E1668B	13.2 U	15.9 U	--	--	--	--
PCB-144	E1668B	2280	1950	--	--	--	--
PCB-145	E1668B	7.23 U	7.34 U	--	--	--	--
PCB-146	E1668B	7850	6800	--	--	--	--
PCB-147/149	E1668B	40900 J	35800 J	--	--	--	--
PCB-148	E1668B	9.22 U	9.35 U	--	--	--	--
PCB-150	E1668B	149	126	--	--	--	--
PCB-152	E1668B	49.7	46.1	--	--	--	--
PCB-153/168	E1668B	43700 J	37800 J	--	--	--	--
PCB-154	E1668B	1010	795	--	--	--	--
PCB-155	E1668B	27 J	22.2 J	--	--	--	--
PCB-156/157	E1668B	5330	4640	--	--	--	--
PCB-158	E1668B	5090	4350	--	--	--	--
PCB-159	E1668B	13.4 U	14.1 U	--	--	--	--
PCB-160	E1668B	11.1 U	13.4 U	--	--	--	--
PCB-161	E1668B	9.58 U	11.6 U	--	--	--	--
PCB-162	E1668B	12.7 U	13.3 U	--	--	--	--
PCB-164	E1668B	3240	2710	--	--	--	--
PCB-165	E1668B	16.8 J	16.6	--	--	--	--
PCB-167	E1668B	1950	1610	--	--	--	--
PCB-169	E1668B	154 J	133 J	--	--	--	--
PCB-170	E1668B	9470	8290	--	--	--	--
PCB-171/173	E1668B	3370	2940	--	--	--	--
PCB-172	E1668B	1680	1520	--	--	--	--
PCB-174	E1668B	10900	9460	--	--	--	--
PCB-175	E1668B	548	488	--	--	--	--
PCB-176	E1668B	1500	1320	--	--	--	--
PCB-177	E1668B	6650	6070	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2138	Spring Surface Sediment 2139	Spring Surface Sediment 2140	Spring Surface Sediment 2141	Spring Surface Sediment 2142	Spring Surface Sediment 2143
Task		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
Tributary		1.82	1.82	1.82	1.82	1.83	1.92
River Mile		NC054SG_20120430	NC054SG_20120430	NC055SG_20120430	NC055SG_20120430	NC056SG_20120430	NC057SG_20120501
Location ID		NC054SG-000015-20120430	NC1054SG-000015-20120430	NC055SG-000015-20120430	NC1055SG-000015-20120430	NC056SG-000015-20120430	NC057SG-000015-20120501
Sample ID		4/30/2012	4/30/2012	4/30/2012	4/30/2012	4/30/2012	5/1/2012
Sample Date		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Sample Depth		17.7	17.7	22.6	22.6	15.3	14.7
Water Column Depth		N	FD	N	FD	N	N
Sample Type		SE	SE	SE	SE	SE	SE
Matrix							
PCB-178	E1668B	2780	2490	--	--	--	--
PCB-179	E1668B	5570	4970	--	--	--	--
PCB-180/193	E1668B	22500	20200	--	--	--	--
PCB-181	E1668B	81.1	77	--	--	--	--
PCB-182	E1668B	7.48 U	9.9 U	--	--	--	--
PCB-183	E1668B	--	--	--	--	--	--
PCB-183/185	E1668B	7710	6950	--	--	--	--
PCB-184	E1668B	28	24.1	--	--	--	--
PCB-185	E1668B	--	--	--	--	--	--
PCB-186	E1668B	6 U	7.95 U	--	--	--	--
PCB-187	E1668B	14600 J	13000	--	--	--	--
PCB-188	E1668B	52.2	40.7	--	--	--	--
PCB-189	E1668B	431 J	385	--	--	--	--
PCB-190	E1668B	1680	1590	--	--	--	--
PCB-191	E1668B	355	373	--	--	--	--
PCB-192	E1668B	7.45 U	10.4 U	--	--	--	--
PCB-194	E1668B	5540	5280	--	--	--	--
PCB-195	E1668B	2050	1920	--	--	--	--
PCB-196	E1668B	2820	2510	--	--	--	--
PCB-197	E1668B	--	--	--	--	--	--
PCB-197/200	E1668B	1020	927	--	--	--	--
PCB-198/199	E1668B	7590	7060	--	--	--	--
PCB-200	E1668B	--	--	--	--	--	--
PCB-201	E1668B	1080	965	--	--	--	--
PCB-202	E1668B	1860	1690	--	--	--	--
PCB-203	E1668B	4580	4150	--	--	--	--
PCB-204	E1668B	7.69 U	8.04 U	--	--	--	--
PCB-205	E1668B	315	312	--	--	--	--
PCB-206	E1668B	5520	4860	--	--	--	--
PCB-207	E1668B	507	470	--	--	--	--
PCB-208	E1668B	1760	1600	--	--	--	--
PCB-209	E1668B	4240	3550	--	--	--	--
Total PCB congener (U = 0)	--	1121221.8 J	998079.8 J	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2138	Spring Surface Sediment 2139	Spring Surface Sediment 2140	Spring Surface Sediment 2141	Spring Surface Sediment 2142	Spring Surface Sediment 2143
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.82	1.82	1.82	1.82	1.83	1.92
Location ID		NC054SG_20120430	NC054SG_20120430	NC055SG_20120430	NC055SG_20120430	NC056SG_20120430	NC057SG_20120501
Sample ID		NC054SG-000015-20120430	NC1054SG-000015-20120430	NC055SG-000015-20120430	NC1055SG-000015-20120430	NC056SG-000015-20120430	NC057SG-000015-20120501
Sample Date		4/30/2012	4/30/2012	4/30/2012	4/30/2012	4/30/2012	5/1/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		17.7	17.7	22.6	22.6	15.3	14.7
Sample Type		N	FD	N	FD	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total PCB congener (U = 1/2)	--	1121398.83 J	998283.13 J	--	--	--	--
Total PCB congener TEQ 1998 (avian) (U = 0)	--	255.2 J	217.9 J	--	--	--	--
Total PCB congener TEQ 1998 (avian) (U = 1/2)	--	256.6 J	219.4 J	--	--	--	--
Total PCB congener TEQ 1998 (fish) (U = 0)	--	0.8 J	0.7 J	--	--	--	--
Total PCB congener TEQ 1998 (fish) (U = 1/2)	--	0.9 J	0.8 J	--	--	--	--
Total PCB congener TEQ 2005 (mammal) (U = 0)	--	6.9 J	6 J	--	--	--	--
Total PCB congener TEQ 2005 (mammal) (U = 1/2)	--	8.3 J	7.5 J	--	--	--	--
Total Petroleum Hydrocarbons (mg/kg)							
Diesel range organics (C10 - C28)	SW8015M	2770	--	7940	2740	3910	2860
Phytane	SW8015M	1.69 J	--	8.73	1.64	2 J	1.95 J
Pristane	SW8015M	1.88 J	--	13	1.92	2.23 J	1.8 J
Total petroleum hydrocarbons (C9-C40)	SW8015M	5670	--	12500	5440	7850	6330
Radionuclides (pci/g)							
Beryllium 7	HASL300	--	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task	Spring Surface Sediment 2144	Spring Surface Sediment 2145	Spring Surface Sediment 2146	Spring Surface Sediment 2147	Spring Surface Sediment 2148	Spring Surface Sediment 2149
Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile	1.94	1.94	2.06	2.07	2.07	2.07
Location ID	NC058SG_20120501	NC059SG_20120501	NC060SG_20120501	NC061SG_20120501	NC062SG_20120501	NC062SG_20120501
Sample ID	NC058SG-000015-20120501	NC059SG-000015-20120501	NC060SG-000015-20120501	NC061SG-000015-20120501	NC062SG-000015-20120501	NC1062SG-000015-20120501
Sample Date	5/1/2012	5/1/2012	5/1/2012	5/1/2012	5/1/2012	5/1/2012
Sample Depth	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth	24.8	11.3	7	21.5	14.1	14.1
Sample Type	N	N	N	N	N	FD
Matrix	SE	SE	SE	SE	SE	SE
Conventional Parameters (lb/ft³)						
Density	D7263	20.3	22.7	31.9	23.1	19.7
Conventional Parameters (mg/kg)						
Ammonia as nitrogen	SM4500NH3H	53	24 U	23 U	57	75
Cyanide, total	SW9012A	3.4 U	3.2 U	3.2 U	3.1 U	3.6 U
Nitrate + nitrite as nitrogen	SM4500NO3F	10	8.5	9	8.4	10
Nitrogen ((No Suggestions))	SM4500NORGC	3700 J	2600 J	2900 J	3100 J	3600 J
Phosphorus	SM4500PE	1800	1800	1500	2300	3100
Sulfide	SW9030B	5900	7100	2600	3600	5100
Conventional Parameters (pct)						
Moisture (water) content	D2216	--	233.9	153	--	--
Moisture, percent	D2216	--	69.9	66.4	--	--
Soot carbon	SOOTC	0.168	0.343	0.499	0.248	0.2
Total organic carbon	SW9060	3.935	4.55	6.04	5.25	4.265
Total solids	SM2540G	27.1	29.8	31.3	30.7	26.6
Conventional Parameters (SU)						
pH	SW9045C	8.1	8.1	7.6	8	8
Conventional Parameters (unitless)						
Liquid limit	D4318	--	130	102	--	--
Plastic limit	D4318	--	44	38	--	--
Plasticity index	D4318	--	86	64	--	--
Specific gravity	D854	--	2.45	2.46	--	--
Grain Size (pct)						
Cobbles	D422	0	0	0	0	0
Gravel	D422	0.1	0.4	20.2	0.1	1.8
Sand	D422	4.3	11.5	30.7	10.1	5.3
Fines (silt + clay)	D422	95.6	88.1	49.1	89.8	92.9
Percent passing 0.375 inch (3/8 inch sieve)	D422	100	100	82	100	98
Percent passing 0.5 inch (1/2 inch sieve)	D422	--	--	86	--	100
Percent passing 0.75 inch (3/4 inch sieve)	D422	--	--	86	--	--
Percent passing 1 inch (1 inch sieve)	D422	--	--	100	--	--
Percent passing 75 micron sieve (#200)	D422	96	88	49	90	93
Percent passing 150 micron sieve (#100)	D422	97	92	59	94	96

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2144	Spring Surface Sediment 2145	Spring Surface Sediment 2146	Spring Surface Sediment 2147	Spring Surface Sediment 2148	Spring Surface Sediment 2149
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.94	1.94	2.06	2.07	2.07	2.07
Location ID		NC058SG_20120501	NC059SG_20120501	NC060SG_20120501	NC061SG_20120501	NC062SG_20120501	NC062SG_20120501
Sample ID		NC058SG-000015-20120501	NC059SG-000015-20120501	NC060SG-000015-20120501	NC061SG-000015-20120501	NC062SG-000015-20120501	NC1062SG-000015-20120501
Sample Date		5/1/2012	5/1/2012	5/1/2012	5/1/2012	5/1/2012	5/1/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		24.8	11.3	7	21.5	14.1	14.1
Sample Type		N	N	N	N	N	FD
Matrix		SE	SE	SE	SE	SE	SE
Percent passing 250 micron sieve (#60)	D422	98	95	67	96	97	97
Percent passing 425 micron sieve (#40)	D422	99	97	73	98	97	98
Percent passing 850 micron sieve (#20)	D422	99	98	76	99	98	99
Percent passing 2000 micron sieve (#10)	D422	100	99	78	100	98	100
Percent passing 4750 micron sieve (#4)	D422	100	100	80	100	98	100
Metals (mg/kg)							
Aluminum	SW6020A	14600	12900	10100	12600	12600	13100
Antimony	SW6020A	1.16 J	1.37 J	2.3 J	1.54 J	1.76 J	1.86 J
Arsenic	SW6020A	18.3	19.8	19.9	25.9	36.2	36.7
Barium	SW6020A	122	135	233	133	148	143
Beryllium	SW6020A	0.947	0.903	0.65	0.895	0.856	0.999
Cadmium	SW6020A	6.82	6.68	7.41	11.5	13.9	14.4
Calcium	SW6020A	11700	12200	20700	10200	14000	13800
Chromium	SW6020A	121	119	114	152	206	197
Cobalt	SW6020A	12.3	11	9.26	11.1	12.6	12
Copper	SW6020A	587	647	815	1090	1490	1470
Iron	SW6020A	31800	30800	23700	28500	28200	28600
Lead	SW6020A	292	338	594	406	454	459
Magnesium	SW6020A	11000	12700	10900	11300	14000	13600
Manganese	SW6020A	385	302	229	287	312	292
Mercury	E1631M	1.3	1.18	1.3	1.58	1.91	1.86
Nickel	SW6020A	84.9	81.1	116	173	211	193
Potassium	SW6020A	3340	3520	1830	3310	3140	3310
Selenium	SW6020A	4.24	3.86	4.21	7.68	6.28	5.94
Silver	SW6020A	6.12	6.05	10.8	8.7	10.8	10.6
Sodium	SW6020A	9010	19600	6250	18200	20500	20200
Thallium	SW6020A	0.384	0.358	0.255	0.355	0.388	0.392
Tin	SW6020A	26.5	26.7	34.7	31.5	40.6	38.9
Vanadium	SW6020A	49.6	51	46.5	48.7	57.7	57.2
Zinc	SW6020A	702	774	916	951	1270	1210
Organometallic Compounds (µg/kg)							
Methyl mercury	E1630M	--	0.398 J	0.576 J	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2144	Spring Surface Sediment 2145	Spring Surface Sediment 2146	Spring Surface Sediment 2147	Spring Surface Sediment 2148	Spring Surface Sediment 2149
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.94	1.94	2.06	2.07	2.07	2.07
Location ID		NC058SG_20120501	NC059SG_20120501	NC060SG_20120501	NC061SG_20120501	NC062SG_20120501	NC062SG_20120501
Sample ID		NC058SG-000015-20120501	NC059SG-000015-20120501	NC060SG-000015-20120501	NC061SG-000015-20120501	NC062SG-000015-20120501	NC1062SG-000015-20120501
Sample Date		5/1/2012	5/1/2012	5/1/2012	5/1/2012	5/1/2012	5/1/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		24.8	11.3	7	21.5	14.1	14.1
Sample Type		N	N	N	N	N	FD
Matrix		SE	SE	SE	SE	SE	SE
Volatile Organics (µg/kg)							
1,1,1-Trichloroethane	SW8260B	3.5 U	3.2 U	3.2 U	3.2 U	3.5 U	3.7 U
1,1,2,2-Tetrachloroethane	SW8260B	3.5 U	3.2 U	3.2 UJ	3.2 UJ	3.5 U	3.7 U
1,1,2-Trichloroethane	SW8260B	5.2 U	4.7 U	4.8 U	4.8 U	5.2 U	5.5 U
1,1,2-Trichlorotrifluoroethane	SW8260B	70 U	63 U	64 U	64 U	70 U	74 U
1,1-Dichloroethane	SW8260B	5.2 U	4.7 U	4.8 U	4.8 U	5.2 U	5.5 U
1,1-Dichloroethene	SW8260B	3.5 U	3.2 U	3.2 U	3.2 U	3.5 U	3.7 U
1,2,3-Trichlorobenzene	SW8260B	17 U	16 U	16 U	16 U	17 U	18 U
1,2,4-Trichlorobenzene	SW8260B	17 U	16 U	16 U	16 U	17 U	18 U
1,2-Dibromo-3-chloropropane	SW8260B	17 U	16 U	16 U	16 U	17 U	18 U
1,2-Dichlorobenzene	SW8260B	17 U	16 U	16 U	16 U	17 U	18 U
1,2-Dichloroethane	SW8260B	3.5 U	3.2 U	3.2 U	3.2 U	3.5 U	3.7 U
1,2-Dichloroethene, cis-	SW8260B	3.5 U	3.2 U	3.2 U	3.2 U	3.5 U	3.7 U
1,2-Dichloroethene, trans-	SW8260B	5.2 U	4.7 U	4.8 U	4.8 U	5.2 U	5.5 U
1,2-Dichloropropane	SW8260B	12 U	11 U	11 U	11 U	12 U	13 U
1,3-Dichlorobenzene	SW8260B	17 U	16 U	16 U	16 U	17 U	18 U
1,3-Dichloropropene, cis-	SW8260B	3.5 U	3.2 U	3.2 U	3.2 U	3.5 U	3.7 U
1,3-Dichloropropene, trans-	SW8260B	3.5 U	3.2 U	3.2 U	3.2 U	3.5 U	3.7 U
1,4-Dichlorobenzene	SW8260B	17 U	16 U	16 U	16 U	17 U	18 U
2-Butanone (MEK)	SW8260B	76	65	44	87	26 J	70
2-Hexanone (methyl butyl ketone)	SW8260B	35 U	32 U	32 U	32 UJ	35 U	37 U
Acetone	SW8260B	430	350	230	490	110 J	390
Benzene	SW8260B	3.5 U	3.2 U	3.2 U	3.2 U	3.5 U	3.7 U
Bromochloromethane	SW8260B	17 U	16 U	16 U	16 U	17 U	18 U
Bromodichloromethane	SW8260B	3.5 U	3.2 U	3.2 U	3.2 U	3.5 U	3.7 U
Bromoform (tribromomethane)	SW8260B	14 U	13 U	13 U	13 U	14 U	15 U
Bromomethane (methyl bromide)	SW8260B	7 U	6.3 U	6.4 U	6.4 U	7 U	7.4 U
Carbon disulfide	SW8260B	35	20 J	9.7 J	42	16 J	57
Carbon tetrachloride (tetrachloromethane)	SW8260B	3.5 U	3.2 U	3.2 U	3.2 U	3.5 U	3.7 U
Chlorobenzene	SW8260B	3.5 U	3.2 U	3.2 U	3.2 U	3.5 U	3.7 U
Chloroethane	SW8260B	7 U	6.3 U	6.4 U	6.4 U	7 U	7.4 U
Chloroform	SW8260B	5.2 U	4.7 U	4.8 U	4.8 U	5.2 U	5.5 U

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2144	Spring Surface Sediment 2145	Spring Surface Sediment 2146	Spring Surface Sediment 2147	Spring Surface Sediment 2148	Spring Surface Sediment 2149
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	1.94	1.94	2.06	2.07	2.07	2.07
		Location ID	NC058SG_20120501	NC059SG_20120501	NC060SG_20120501	NC061SG_20120501	NC062SG_20120501	NC062SG_20120501
		Sample ID	NC058SG-000015-20120501	NC059SG-000015-20120501	NC060SG-000015-20120501	NC061SG-000015-20120501	NC062SG-000015-20120501	NC1062SG-000015-20120501
		Sample Date	5/1/2012	5/1/2012	5/1/2012	5/1/2012	5/1/2012	5/1/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	24.8	11.3	7	21.5	14.1	14.1
		Sample Type	N	N	N	N	N	FD
		Matrix	SE	SE	SE	SE	SE	SE
Chloromethane	SW8260B		17 U	16 U	16 U	16 U	17 U	18 U
Cyclohexane	SW8260B		70 U	63 U	64 U	64 U	70 U	74 U
Dibromochloromethane	SW8260B		3.5 U	3.2 U	3.2 U	3.2 U	3.5 U	3.7 U
Dichlorodifluoromethane	SW8260B		35 U	32 U	32 U	32 U	35 U	37 U
Dichloromethane (methylene chloride)	SW8260B		35 U	32 U	32 U	32 U	35 U	37 U
Ethylbenzene	SW8260B		3.5 U	3.2 U	3.2 U	3.2 U	3.5 U	3.7 U
Ethylene dibromide (1,2-Dibromoethane)	SW8260B		14 U	13 U	13 U	13 U	14 U	15 U
Isopropylbenzene (cumene)	SW8260B		3.5 U	3.2 U	3.2 U	3.2 U	3.5 U	3.7 U
m,p-Xylene	SW8260B		7 U	6.3 U	6.4 U	6.4 U	7 U	7.4 U
Methyl acetate	SW8260B		70 U	63 U	64 U	64 U	70 U	74 U
Methyl isobutyl ketone (4-methyl-2-pentanone [MIBK])	SW8260B		35 U	32 U	32 U	32 U	35 U	37 U
Methyl tert-butyl ether (MTBE)	SW8260B		7 U	6.3 U	6.4 U	6.4 U	7 U	7.4 U
Methylcyclohexane	SW8260B		14 U	13 U	13 U	13 U	14 U	15 U
o-Xylene	SW8260B		7 U	6.3 U	6.4 U	6.4 U	7 U	7.4 U
Styrene	SW8260B		7 U	6.3 U	6.4 U	6.4 U	7 U	7.4 U
Tetrachloroethene (PCE)	SW8260B		3.5 U	3.2 U	3.2 U	3.2 U	3.5 U	3.7 U
Toluene	SW8260B		5.2 U	4.7 U	4.8 U	4.8 U	5.2 U	5.5 U
Total BTEX (U = 0)	--		7 U	6.3 U	6.4 U	6.4 U	7 U	7.4 U
Total BTEX (U = 1/2)	--		7 U	6.3 U	6.4 U	6.4 U	7 U	7.4 U
Total xylene (U = 0)	--		7 U	6.3 U	6.4 U	6.4 U	7 U	7.4 U
Total xylene (U = 1/2)	--		7 U	6.3 U	6.4 U	6.4 U	7 U	7.4 U
Trichloroethene (TCE)	SW8260B		3.5 U	3.2 U	3.2 U	3.2 U	3.5 U	3.7 U
Trichlorofluoromethane (fluorotrichloromethane)	SW8260B		17 U	16 U	16 U	16 U	17 U	18 U
Vinyl acetate	SW8260B		35 U	32 U	32 U	32 U	35 U	37 U
Vinyl chloride	SW8260B		7 U	6.3 U	6.4 U	6.4 U	7 U	7.4 U
Semivolatile Organics (µg/kg)								
1,2,4,5-Tetrachlorobenzene	SW8270C		580 UJ	530 UJ	480 UJ	520 UJ	550 UJ	580 UJ
1,4-Dioxane	SW8270C		1200 UJ	1100 UJ	980 UJ	1100 UJ	1100 UJ	1200 UJ
2,3,4,6-Tetrachlorophenol	SW8270C		580 UJ	530 UJ	480 UJ	520 UJ	550 UJ	580 UJ
2,4,5-Trichlorophenol	SW8270C		580 U	530 U	480 U	520 U	550 U	580 U
2,4,6-Trichlorophenol	SW8270C		580 UJ	530 UJ	480 UJ	520 UJ	550 UJ	580 UJ

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2144	Spring Surface Sediment 2145	Spring Surface Sediment 2146	Spring Surface Sediment 2147	Spring Surface Sediment 2148	Spring Surface Sediment 2149
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	1.94	1.94	2.06	2.07	2.07	2.07
		Location ID	NC058SG_20120501	NC059SG_20120501	NC060SG_20120501	NC061SG_20120501	NC062SG_20120501	NC062SG_20120501
		Sample ID	NC058SG-000015-20120501	NC059SG-000015-20120501	NC060SG-000015-20120501	NC061SG-000015-20120501	NC062SG-000015-20120501	NC1062SG-000015-20120501
		Sample Date	5/1/2012	5/1/2012	5/1/2012	5/1/2012	5/1/2012	5/1/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	24.8	11.3	7	21.5	14.1	14.1
		Sample Type	N	N	N	N	N	FD
		Matrix	SE	SE	SE	SE	SE	SE
2,4-Dichlorophenol	SW8270C		120 U	110 U	98 U	110 U	110 U	120 U
2,4-Dimethylphenol	SW8270C		580 UJ	530 UJ	480 UJ	520 UJ	94 J	580 UJ
2,4-Dinitrophenol	SW8270C		3000 UJ	2800 UJ	2500 UJ	2700 UJ	2900 UJ	3000 UJ
2,4-Dinitrotoluene	SW8270C		580 U	530 U	480 U	520 U	550 U	580 U
2,6-Dinitrotoluene	SW8270C		580 U	530 U	480 U	520 U	550 U	580 U
2-Chloronaphthalene	SW8270C		120 UJ	110 UJ	98 UJ	110 UJ	110 UJ	120 UJ
2-Chlorophenol	SW8270C		580 U	530 U	480 U	520 U	550 U	580 U
2-Methylnaphthalene	SW8270C		130	110	250	270	220	290
2-Methylphenol (o-Cresol)	SW8270C		580 U	530 U	480 U	520 U	550 U	580 U
2-Nitroaniline	SW8270C		3000 UJ	2800 UJ	2500 UJ	2700 UJ	2900 UJ	3000 UJ
2-Nitrophenol	SW8270C		580 U	530 U	480 U	520 U	550 U	580 U
3,3'-Dichlorobenzidine	SW8270C		580 UJ	530 UJ	480 UJ	520 UJ	550 UJ	580 UJ
3-methylphenol and 4-methylphenol (m&p-cresol)	SW8270C		160 J	530 U	200 J	59 J	55 J	70 J
3-Nitroaniline	SW8270C		3000 UJ	2800 UJ	2500 UJ	2700 UJ	2900 UJ	3000 UJ
4-Bromophenyl-phenyl ether	SW8270C		580 U	530 U	480 U	520 U	550 U	580 U
4-Chloro-3-methylphenol	SW8270C		580 U	530 U	480 U	520 U	550 U	580 U
4-Chloroaniline	SW8270C		110 J	110 J	150 J	180 J	150 J	230 J
4-Chlorophenyl phenyl ether	SW8270C		580 U	530 U	480 U	520 U	550 U	580 U
4-Nitroaniline	SW8270C		3000 UJ	2800 UJ	2500 UJ	2700 UJ	2900 UJ	3000 UJ
4-Nitrophenol	SW8270C		3000 UJ	2800 UJ	2500 UJ	2700 UJ	2900 UJ	3000 UJ
Acenaphthene	SW8270C		87 J	81 J	330	120	84 J	90 J
Acenaphthylene	SW8270C		160	150	260	350	260	280
Acetophenone	SW8270C		89 J	530 U	110 J	94 J	71 J	91 J
Anthracene	SW8270C		290	260	1000	450	300	390
Atrazine	SW8270C		580 U	530 U	480 U	520 U	550 U	580 U
Benzaldehyde	SW8270C		380 J	330 J	350 J	360 J	380 J	410 J
Benzo(a)anthracene	SW8270C		1100	1300 J	3500 J	1700 J	1400 J	1700 J
Benzo(a)pyrene	SW8270C		1100 J	1400 J	3300 J	1700 J	1400 J	1500 J
Benzo(b)fluoranthene	SW8270C		1500 J	1700 J	2300 J	1600 J	1500 J	1700 J
Benzo(g,h,i)perylene	SW8270C		430 J	670 J	1700 J	1000 J	840 J	850 J
Benzo(k)fluoranthene	SW8270C		470	690 J	2800 J	1200 J	790 J	970 J
Biphenyl (1,1'-Biphenyl)	SW8270C		580 UJ	530 UJ	57 J	71 J	61 J	580 UJ

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2144	Spring Surface Sediment 2145	Spring Surface Sediment 2146	Spring Surface Sediment 2147	Spring Surface Sediment 2148	Spring Surface Sediment 2149
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	1.94	1.94	2.06	2.07	2.07	2.07
		Location ID	NC058SG_20120501	NC059SG_20120501	NC060SG_20120501	NC061SG_20120501	NC062SG_20120501	NC062SG_20120501
		Sample ID	NC058SG-000015-20120501	NC059SG-000015-20120501	NC060SG-000015-20120501	NC061SG-000015-20120501	NC062SG-000015-20120501	NC1062SG-000015-20120501
		Sample Date	5/1/2012	5/1/2012	5/1/2012	5/1/2012	5/1/2012	5/1/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	24.8	11.3	7	21.5	14.1	14.1
		Sample Type	N	N	N	N	N	FD
		Matrix	SE	SE	SE	SE	SE	SE
bis(2-Chloroethoxy)methane	SW8270C		580 U	530 U	480 U	520 U	550 U	580 U
bis(2-Chloroethyl)ether	SW8270C		120 U	110 U	98 U	110 U	110 U	120 U
bis(2-Chloroisopropyl)ether	SW8270C		120 UJ	110 UJ	98 UJ	110 UJ	110 UJ	120 UJ
Bis(2-ethylhexyl)phthalate	SW8270C		7400	7700 J	12000 J	12000 J	11000 J	11000 J
Butylbenzyl phthalate	SW8270C		580 U	510 J	860 J	310 J	550 U	220 J
Caprolactam	SW8270C		3000 UJ	2800 UJ	2500 UJ	2700 UJ	2900 UJ	3000 UJ
Carbazole	SW8270C		100 J	110	530	120	75 J	120
Chrysene	SW8270C		980 J	980 J	2700 J	1300 J	1000 J	1200 J
Dibenzo(a,h)anthracene	SW8270C		420 J	490 J	620 J	520 J	440 J	540 J
Dibenzofuran	SW8270C		64 J	61 J	200 J	90 J	77 J	73 J
Diethyl phthalate	SW8270C		580 U	530 U	480 U	520 U	550 U	580 U
Dimethyl phthalate	SW8270C		580 U	530 U	480 U	520 U	550 U	580 U
Di-n-butyl phthalate	SW8270C		110 J	170 J	250 J	240 J	140 J	120 J
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)	SW8270C		3000 UJ	2800 UJ	2500 UJ	2700 UJ	2900 UJ	3000 UJ
Di-n-octyl phthalate	SW8270C		580 U	530 U	74 J	520 U	68 J	580 U
Fluoranthene	SW8270C		1700	1800	7500	3000	1800	2300
Fluorene	SW8270C		93 J	99 J	360	130	110 U	100 J
Hexachlorobenzene	SW8270C		120 U	110 U	98 U	110 U	110 U	120 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270C		120 U	110 U	98 U	110 U	110 U	120 U
Hexachlorocyclopentadiene	SW8270C		580 UJ	530 UJ	480 UJ	520 UJ	550 UJ	580 UJ
Hexachloroethane	SW8270C		580 U	530 U	480 U	520 U	550 U	580 U
Indeno(1,2,3-c,d)pyrene	SW8270C		610 J	810 J	1900 J	1000 J	880 J	870 J
Isophorone	SW8270C		580 U	530 U	480 U	520 U	550 U	580 U
Naphthalene	SW8270C		190	150	330	410	330	400
Nitrobenzene	SW8270C		1200 UJ	1100 UJ	980 UJ	1100 UJ	1100 UJ	1200 UJ
N-Nitrosodi-N-propylamine	SW8270C		120 UJ	110 UJ	98 UJ	110 UJ	110 UJ	120 UJ
N-Nitrosodiphenylamine	SW8270C		580 U	530 U	480 U	520 U	550 U	580 U
Pentachlorophenol	SW8270C		580 UJ	530 UJ	480 UJ	520 UJ	550 UJ	580 UJ
Phenanthrene	SW8270C		750	830	3500	1100	700	890
Phenol	SW8270C		22 J	110 U	38 J	110 U	18 J	20 J
Pyrene	SW8270C		1200	1600 J	3900 J	2000 J	1500 J	1800 J

Table A4-2
Surface Sediment Analytical Results

	Task Tributary River Mile Location ID Sample ID Sample Date Sample Depth Water Column Depth Sample Type Matrix	Spring Surface Sediment 2144	Spring Surface Sediment 2145	Spring Surface Sediment 2146	Spring Surface Sediment 2147	Spring Surface Sediment 2148	Spring Surface Sediment 2149
		Newtown Creek 1.94 NC058SG_20120501 NC058SG-000015-20120501 5/1/2012 0 - 15 cm 24.8 N SE	Newtown Creek 1.94 NC059SG_20120501 NC059SG-000015-20120501 5/1/2012 0 - 15 cm 11.3 N SE	Newtown Creek 2.06 NC060SG_20120501 NC060SG-000015-20120501 5/1/2012 0 - 15 cm 7 N SE	Newtown Creek 2.07 NC061SG_20120501 NC061SG-000015-20120501 5/1/2012 0 - 15 cm 21.5 N SE	Newtown Creek 2.07 NC062SG_20120501 NC062SG-000015-20120501 5/1/2012 0 - 15 cm 14.1 N SE	Newtown Creek 2.07 NC062SG_20120501 NC1062SG-000015-20120501 5/1/2012 0 - 15 cm 14.1 FD SE
Total cresol (o,m,p) (U = 0)	--	160 J	530 U	200 J	59 J	55 J	70 J
Total cresol (o,m,p) (U = 1/2)	--	450 J	530 U	440 J	319 J	330 J	360 J
Polycyclic Aromatic Hydrocarbons (µg/kg)							
1,6,7-Trimethylnaphthalene	SW8270CMSIM	61.9	45.5 J	52.7 J	73.3	122	106
1-Methyldibenzothiophene	SW8270CMSIM	39.2 J	25.3 J	192	122	150	133
1-Methylnaphthalene	SW8270CMSIM	120	109	156	167	191	172
1-Methylphenanthrene	SW8270CMSIM	224	283	462	350	403	380
2,6-Dimethylnaphthalene	SW8270CMSIM	244	220	293	438	481	474
2-Methylantracene	SW8270CMSIM	195	202	364	340	453	443
2-Methyldibenzothiophene and 3-methyldibenzothiophene	SW8270CMSIM	87.6	88	201	182	105 J	111
2-Methylnaphthalene	SW8270CMSIM	319	280	349	515	637	580
2-Methylphenanthrene	SW8270CMSIM	281	378	580	429	504	473
4-Methyldibenzothiophene	SW8270CMSIM	100	84	145	175	221	205
4-Methylphenanthrene and 9-methylphenanthrene	SW8270CMSIM	273	309	628	516	608	569
Acenaphthene	SW8270CMSIM	187	173	434	174	178	190
Acenaphthylene	SW8270CMSIM	224	208	308	397	492	438
Anthracene	SW8270CMSIM	700	834	1540	870	1040	1030
Benzo(a)anthracene	SW8270CMSIM	1940	2510	4720	2380	3400	3020
Benzo(a)pyrene	SW8270CMSIM	2840	3570	5610	3620	4330	3860
Benzo(b)fluoranthene	SW8270CMSIM	3200	3940	6080	3550	4480	3870
Benzo(e)pyrene	SW8270CMSIM	2460	2960	4240	3100	3860	3410
Benzo(g,h,i)perylene	SW8270CMSIM	2090	2570	3820	2600	3220	2820
Benzo(j,k)fluoranthene	SW8270CMSIM	2130	2600	4100	2860	3380	2940
Benzonaphthothiophene	SW8270CMSIM	903	1150	1720	1300	1670	1600
Benzo(b)fluoranthene	SW8270CMSIM	20.2 J	17.3 J	95.3 U	29.4 J	36.8 J	32.8 J
Carbazole	SW8270CMSIM	227	209	662	234	260	253
Chrysene	SW8270CMSIM	2230	2940	4700	2750	3380	3020
Decalin, cis and trans-	SW8270CMSIM	51.3	33.2	50.6	62.4	90.8	66.6
Dibenzo(a,h)anthracene and dibenzo(a,c)anthracene	SW8270CMSIM	703	862	1310	856	1050	926
Dibenzothiophene	SW8270CMSIM	161	170	379	206	224	224

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2144	Spring Surface Sediment 2145	Spring Surface Sediment 2146	Spring Surface Sediment 2147	Spring Surface Sediment 2148	Spring Surface Sediment 2149
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.94	1.94	2.06	2.07	2.07	2.07
Location ID		NC058SG_20120501	NC059SG_20120501	NC060SG_20120501	NC061SG_20120501	NC062SG_20120501	NC062SG_20120501
Sample ID		NC058SG-000015-20120501	NC059SG-000015-20120501	NC060SG-000015-20120501	NC061SG-000015-20120501	NC062SG-000015-20120501	NC1062SG-000015-20120501
Sample Date		5/1/2012	5/1/2012	5/1/2012	5/1/2012	5/1/2012	5/1/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		24.8	11.3	7	21.5	14.1	14.1
Sample Type		N	N	N	N	N	FD
Matrix		SE	SE	SE	SE	SE	SE
Fluoranthene	SW8270CMSIM	4580	6140	10600	4830	6660	6030
Fluorene	SW8270CMSIM	198	193	481	227	237	235
Indeno(1,2,3-c,d)pyrene	SW8270CMSIM	2030	2520	3860	2410	2980	2600
Naphthalene	SW8270CMSIM	461	426	530	750	979	873
Perylene	SW8270CMSIM	895	977	1460	1030	1140	1030
Phenanthrene	SW8270CMSIM	1770	2480	4870	1850	1980	1970
Pyrene	SW8270CMSIM	5610	7400	13000	8020	9750	8840
Retene	SW8270CMSIM	53.6 U	50.1 U	95.3 U	47.3 U	110 U	54.2 U
Total benzofluoranthenes (U = 0)	--	5330	6540	10180	6410	7860	6810
Total benzofluoranthenes (U = 1/2)	--	5330	6540	10180	6410	7860	6810
Total cPAH TEQ (USEPA 1993) (U = 0)	--	4283.53	5357.94	8431.7	5341.35	6503.18	5767.42
Total cPAH TEQ (USEPA 1993) (U = 1/2)	--	4283.53	5357.94	8431.7	5341.35	6503.18	5767.42
Total HPAH (9 of 16) (U = 0)	--	27353	35052	57800	33876	42630	37926
Total HPAH (9 of 16) (U = 1/2)	--	27353	35052	57800	33876	42630	37926
Total LPAH (7 of 16) (U = 0)	--	3859	4594	8512	4783	5543	5316
Total LPAH (7 of 16) (U = 1/2)	--	3859	4594	8512	4783	5543	5316
Total PAH (16) (U = 0)	--	31212	39646	66312	38659	48173	43242
Total PAH (16) (U = 1/2)	--	31212	39646	66312	38659	48173	43242
Alkylated Polycyclic Aromatic Hydrocarbons (µg/kg)							
C1-Benzo(a)anthracenes/chrysenes	SW8270CMSIM	2200	2310	3470	3790	4990	4330
C1-Benzo(b)thiophenes	SW8270CMSIM	42.5 J	36.1 J	45.6 J	56.2	78.7 J	62
C1-Decalins	SW8270CMSIM	274	156	280	694	893	757
C1-Dibenzothiophenes	SW8270CMSIM	276	239	617	538	580	523
C1-Fluoranthenes/Pyrenes	SW8270CMSIM	3940	4370	7300	7000	9010	8000
C1-Fluorenes	SW8270CMSIM	146	154	666	343	422	355
C1-Naphthalenes	SW8270CMSIM	261	230	300	411	491	447
C1-Phenanthrenes/Anthracenes	SW8270CMSIM	1210	1400	2430	1970	2470	2330
C2-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	2100	2260	3090	4070	5100	4610
C2-Benzo(b)thiophenes	SW8270CMSIM	47.5 J	37.6 J	69.1 J	96.1	133	96.9
C2-Decalins	SW8270CMSIM	806	629	958	2150	2970	2680
C2-Dibenzothiophenes	SW8270CMSIM	712	449	2050	2020	2800	2490
C2-Fluorenes	SW8270CMSIM	565	401	2780	1580	1920	1810
C2-Naphthalenes	SW8270CMSIM	343	292	401	529	587	578

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2144	Spring Surface Sediment 2145	Spring Surface Sediment 2146	Spring Surface Sediment 2147	Spring Surface Sediment 2148	Spring Surface Sediment 2149
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.94	1.94	2.06	2.07	2.07	2.07
Location ID		NC058SG_20120501	NC059SG_20120501	NC060SG_20120501	NC061SG_20120501	NC062SG_20120501	NC062SG_20120501
Sample ID		NC058SG-000015-20120501	NC059SG-000015-20120501	NC060SG-000015-20120501	NC061SG-000015-20120501	NC062SG-000015-20120501	NC1062SG-000015-20120501
Sample Date		5/1/2012	5/1/2012	5/1/2012	5/1/2012	5/1/2012	5/1/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		24.8	11.3	7	21.5	14.1	14.1
Sample Type		N	N	N	N	N	FD
Matrix		SE	SE	SE	SE	SE	SE
C2-Phenanthrenes/Anthracenes	SW8270CMSIM	1640	1300	2900	3470	4980	4910
C3-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	1930	2140	2890	3460	4900	4170
C3-Benzo(b)thiophenes	SW8270CMSIM	110	104	195	232	314	252
C3-Decalins	SW8270CMSIM	993	712	1230	2330	3210	2530
C3-Dibenzothiophenes	SW8270CMSIM	1270	916	2290	3660	5060	4460
C3-Fluorenes	SW8270CMSIM	1180	912	3180	3330	4690	4110
C3-Naphthalenes	SW8270CMSIM	379	285	483	606	767	681
C3-Phenanthrenes/Anthracenes	SW8270CMSIM	2080	1550	3280	5070	7850	6600
C4-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	1250	1280	1830	1800	2710	1920
C4-Benzo(b)thiophenes	SW8270CMSIM	122	112	328	334	410	366
C4-Decalins	SW8270CMSIM	1990	1650	2240	4110	5350	4980
C4-Dibenzothiophenes	SW8270CMSIM	936	906	1540	2390	3180	2820
C4-Naphthalenes	SW8270CMSIM	600	356	1800	1250	1890	1670
C4-Phenanthrenes/Anthracenes	SW8270CMSIM	1580	1350	2360	3290	5020	4280
n-Alkanes and Isoprenoids (µg/kg)							
2,6,10-Trimethyldodecane	SW8015M	633 J	3340 U	6350 U	1250 J	1780 J	1740 J
2,6,10-Trimethyltridecane	SW8015M	1780 J	1470 J	1970 J	3450 J	4860 J	4160 J
n-Decane (C10)	SW8015M	3580 U	3340 U	6350 U	3160 U	7310 U	3610 U
n-Docosane (C22)	SW8015M	736 J	712 J	1100 J	1330 J	2070 J	1570 J
n-Dodecane (C12)	SW8015M	3580 U	3340 U	6350 U	3160 U	7310 U	3610 U
n-Dotriacontane (C32)	SW8015M	8480	9280	12700	12600	16800	14000
n-Eicosane (C20)	SW8015M	661 J	832 J	1160 J	1160 J	1940 J	2660 J
n-Heneicosane (C21)	SW8015M	915 J	973 J	1800 J	906 J	1460 J	1000 J
n-Hentriacontane (C31)	SW8015M	3350 J	3040 J	3240 J	3380	4370 J	3650
n-Heptacosane (C27)	SW8015M	2660 J	2560 J	2440 J	2950 J	2980 J	1990 J
n-Heptadecane (C17)	SW8015M	3580 U	3340 U	6350 U	1350 J	7310 U	1320 J
n-Heptatriacontane (C37)	SW8015M	1280 J	1510 J	1800 J	1580 J	1850 J	1600 J
n-Hexacosane (C26)	SW8015M	2150 J	1420 J	1870 J	4170	3330 J	2540 J
n-Hexadecane (C16)	SW8015M	561 J	739 J	984 J	745 J	7310 U	884 J
n-Hexatriacontane (C36)	SW8015M	1800 J	1600 J	1910 J	2340 J	3160 J	2690 J
n-Nonacosane (C29)	SW8015M	7630	7970	8790	8160	9660	8280
n-Nonadecane (C19)	SW8015M	3580 U	3340 U	6350 U	909 J	7310 U	1170 J
n-Nonane (C9)	SW8015M	3580 U	3340 U	6350 U	3160 U	7310 U	3610 U

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2144	Spring Surface Sediment 2145	Spring Surface Sediment 2146	Spring Surface Sediment 2147	Spring Surface Sediment 2148	Spring Surface Sediment 2149
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.94	1.94	2.06	2.07	2.07	2.07
Location ID		NC058SG_20120501	NC059SG_20120501	NC060SG_20120501	NC061SG_20120501	NC062SG_20120501	NC062SG_20120501
Sample ID		NC058SG-000015-20120501	NC059SG-000015-20120501	NC060SG-000015-20120501	NC061SG-000015-20120501	NC062SG-000015-20120501	NC1062SG-000015-20120501
Sample Date		5/1/2012	5/1/2012	5/1/2012	5/1/2012	5/1/2012	5/1/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		24.8	11.3	7	21.5	14.1	14.1
Sample Type		N	N	N	N	N	FD
Matrix		SE	SE	SE	SE	SE	SE
n-Nonatriacontane (C39)	SW8015M	3580 U	1420 J	6350 U	1170 J	7310 U	1300 J
n-Octacosane (C28)	SW8015M	2630 J	2270 J	3020 J	3270	4020 J	2790 J
n-Octadecane (C18)	SW8015M	2180 J	3000 J	5660 J	2330 J	2570 J	2590 J
n-Octatriacontane (C38)	SW8015M	948 J	1020 J	6350 U	1020 J	7310 U	1360 J
Norpristane	SW8015M	3580 U	3340 U	6350 U	1980 J	3550 J	2740 J
n-Pentacosane (C25)	SW8015M	5160 J	6390 J	9140 J	7790 J	10300 J	8490 J
n-Pentadecane (C15)	SW8015M	865 J	859 J	1520 J	1710 J	2020 J	1850 J
n-Pentatriacontane (C35)	SW8015M	1800 J	1530 J	2030 J	2280 J	2950 J	2210 J
n-Tetracontane (C40)	SW8015M	3580 U	1470 J	6350 U	1330 J	7310 U	1310 J
n-Tetracosane (C24)	SW8015M	3580 U	3340 U	6350 U	596 J	7310 U	617 J
n-Tetradecane (C14)	SW8015M	826 J	775 J	1010 J	2130 J	2640 J	2360 J
n-Tetratriacontane (C34)	SW8015M	3460 J	3870	4780 J	4500	5900 J	5160
n-Triacontane (C30)	SW8015M	2410 J	1920 J	3110 J	2960 J	3710 J	3330 J
n-Tricosane (C23)	SW8015M	3580 U	431 J	6350 U	496 J	7310 U	549 J
n-Tridecane (C13)	SW8015M	3580 U	3340 U	6350 U	1020 J	7310 U	1010 J
n-Tritriacontane (C33)	SW8015M	7650	7020	10000	7710	11300	9210
n-Undecane (C11)	SW8015M	3580 U	3340 U	6350 U	1050 J	7310 U	1190 J
Pesticides (µg/kg)							
2,4'-DDD (o,p'-DDD)	SW8081A	8.9	9.7 J	6.8 J	0.26 U	22	0.29 U
2,4'-DDE (o,p'-DDE)	SW8081A	4.3	4.7	5.3 J	10	0.12 J	8.7 J
2,4'-DDT (o,p'-DDT)	SW8081A	0.3 U	0.27 U	0.24 U	0.26 U	0.28 U	0.29 U
4,4'-DDD (p,p'-DDD)	SW8081A	14	21	23	26	35	35 J
4,4'-DDE (p,p'-DDE)	SW8081A	13	19	12 J	18 J	16 J	20 J
4,4'-DDT (p,p'-DDT)	SW8081A	6.2 J	5.5 J	4.2 J	4.8 J	9.1 J	7.7 J
Aldrin	SW8081A	0.095 J	0.39 J	0.99 J	0.92 J	0.28 U	0.085 J
alpha-Hexachlorocyclohexane (BHC)	SW8081A	0.3 U	0.074 J	0.24 U	0.073 J	0.071 J	0.092 J
Chlordane, alpha- (cis-Chlordane)	SW8081A	13	16	15 J	22	0.28 U	16 J
Chlordane, beta- (trans-Chlordane)	SW8081A	0.3 U	0.27 U	0.24 U	0.26 U	0.28 U	0.29 U
delta-Hexachlorocyclohexane (BHC)	SW8081A	0.19 J	0.055 J	0.24 U	0.26 U	0.28 U	0.29 U
Dieldrin	SW8081A	0.3 U	0.27 U	4.7 J	6.8	0.28 U	0.29 U
Endosulfan sulfate	SW8081A	1.7	0.49 J	0.52 J	2.3	1.8 J	3.3 J
Endosulfan-alpha (I)	SW8081A	0.3 U	0.27 U	0.24 U	0.26 U	0.28 U	0.29 U
Endosulfan-beta (II)	SW8081A	0.3 UJ	0.27 UJ	0.24 UJ	0.83 J	0.28 UJ	0.16 J

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2144	Spring Surface Sediment 2145	Spring Surface Sediment 2146	Spring Surface Sediment 2147	Spring Surface Sediment 2148	Spring Surface Sediment 2149
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	1.94	1.94	2.06	2.07	2.07	2.07
		Location ID	NC058SG_20120501	NC059SG_20120501	NC060SG_20120501	NC061SG_20120501	NC062SG_20120501	NC062SG_20120501
		Sample ID	NC058SG-000015-20120501	NC059SG-000015-20120501	NC060SG-000015-20120501	NC061SG-000015-20120501	NC062SG-000015-20120501	NC1062SG-000015-20120501
		Sample Date	5/1/2012	5/1/2012	5/1/2012	5/1/2012	5/1/2012	5/1/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	24.8	11.3	7	21.5	14.1	14.1
		Sample Type	N	N	N	N	N	FD
		Matrix	SE	SE	SE	SE	SE	SE
Endrin	SW8081A		1.4 J	0.27 U	0.24 U	2.8 J	3.9 J	4.2 J
Endrin aldehyde	SW8081A		0.65 J	0.32 J	0.2 J	0.26 UJ	0.28 UJ	0.29 UJ
Endrin ketone	SW8081A		1.4 J	1 J	5.9 J	2.9 J	1.6 J	0.15 J
Heptachlor	SW8081A		0.3 U	0.27 U	0.24 U	0.26 U	0.28 U	0.29 U
Heptachlor epoxide	SW8081A		0.69 J	0.44 J	0.51 J	0.26 U	1.1 J	0.55 J
Hexachlorobenzene	SW8081A		0.63	1.1 J	1 J	2	1.8	2.5 J
Hexachlorocyclohexane, beta- (BHC)	SW8081A		0.3 U	0.42 J	1.6 J	0.5 J	1.7	0.29 U
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	SW8081A		0.3 U	0.27 U	0.24 U	0.26 U	0.28 U	0.29 U
Methoxychlor	SW8081A		0.59 UJ	0.54 UJ	0.49 UJ	0.53 UJ	0.56 UJ	0.58 UJ
Mirex	SW8081A		0.3 U	0.27 U	0.24 U	0.16 J	0.28 U	0.17 J
Nonachlor, cis-	SW8081A		3.3 J	3.9 J	4.1 J	4.5 J	7.1	2.3 J
Nonachlor, trans-	SW8081A		1.1 J	1.9 J	2.7 J	2.9 J	1.7 J	2.6 J
Oxychlordane	SW8081A		0.3 U	0.27 U	0.42 J	1.7 J	0.28 U	0.29 U
Sum DDD (U = 0)	--		22.9	30.7 J	29.8 J	26	57	35 J
Sum DDD (U = 1/2)	--		22.9	30.7 J	29.8 J	26.13	57	35.15 J
Sum DDE (U = 0)	--		17.3	23.7	17.3 J	28 J	16.12 J	28.7 J
Sum DDE (U = 1/2)	--		17.3	23.7	17.3 J	28 J	16.12 J	28.7 J
Sum DDT (U = 0)	--		6.2 J	5.5 J	4.2 J	4.8 J	9.1 J	7.7 J
Sum DDT (U = 1/2)	--		6.35 J	5.63 J	4.32 J	4.93 J	9.24 J	7.84 J
Total chlordane (U = 0)	--		17.4 J	21.8 J	22.22 J	31.1 J	8.8 J	20.9 J
Total chlordane (U = 1/2)	--		17.7 J	22.07 J	22.34 J	31.23 J	9.22 J	21.19 J
Total DDx (U = 0)	--		46.4 J	59.9 J	51.3 J	58.8 J	82.22 J	71.4 J
Total DDx (U = 1/2)	--		46.55 J	60.04 J	51.42 J	59.06 J	82.36 J	71.69 J
Toxaphene	SW8081A		12 U	11 U	9.8 U	11 U	11 U	12 U
Pesticides - High Resolution (µg/kg)								
2,4'-DDD (o,p'-DDD)	E1699		--	17	32	--	--	--
2,4'-DDE (o,p'-DDE)	E1699		--	0.44 U	3.9	--	--	--
2,4'-DDT (o,p'-DDT)	E1699		--	0.35 U	3.5	--	--	--
4,4'-DDD (p,p'-DDD)	E1699		--	50	94	--	--	--
4,4'-DDE (p,p'-DDE)	E1699		--	38	62	--	--	--
4,4'-DDT (p,p'-DDT)	E1699		--	5	8.5	--	--	--
Aldrin	E1699		--	0.11 U	0.54 J	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2144	Spring Surface Sediment 2145	Spring Surface Sediment 2146	Spring Surface Sediment 2147	Spring Surface Sediment 2148	Spring Surface Sediment 2149
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	1.94	1.94	2.06	2.07	2.07	2.07
		Location ID	NC058SG_20120501	NC059SG_20120501	NC060SG_20120501	NC061SG_20120501	NC062SG_20120501	NC062SG_20120501
		Sample ID	NC058SG-000015-20120501	NC059SG-000015-20120501	NC060SG-000015-20120501	NC061SG-000015-20120501	NC062SG-000015-20120501	NC1062SG-000015-20120501
		Sample Date	5/1/2012	5/1/2012	5/1/2012	5/1/2012	5/1/2012	5/1/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	24.8	11.3	7	21.5	14.1	14.1
		Sample Type	N	N	N	N	N	FD
		Matrix	SE	SE	SE	SE	SE	SE
alpha-Hexachlorocyclohexane (BHC)	E1699	--	0.17 U	0.12 U	--	--	--	--
Chlordane, alpha- (cis-Chlordane)	E1699	--	27	76	--	--	--	--
Chlordane, beta- (trans-Chlordane)	E1699	--	30	87	--	--	--	--
delta-Hexachlorocyclohexane (BHC)	E1699	--	0.26 U	0.23 U	--	--	--	--
Dieldrin	E1699	--	8.9	18	--	--	--	--
Endosulfan sulfate	E1699	--	0.12 U	0.084 U	--	--	--	--
Endosulfan-alpha (I)	E1699	--	0.44 U	0.49 U	--	--	--	--
Endosulfan-beta (II)	E1699	--	0.98 U	1.8 J	--	--	--	--
Endrin	E1699	--	0.23 U	0.22 U	--	--	--	--
Endrin aldehyde	E1699	--	0.27 U	0.29 U	--	--	--	--
Endrin ketone	E1699	--	0.32 U	0.28 U	--	--	--	--
Heptachlor	E1699	--	0.053 U	0.74 J	--	--	--	--
Heptachlor epoxide	E1699	--	0.12 U	0.47 J	--	--	--	--
Hexachlorobenzene	E1699	--	3.9	6.2	--	--	--	--
Hexachlorocyclohexane, beta- (BHC)	E1699	--	0.19 U	0.15 U	--	--	--	--
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	E1699	--	0.21 U	0.14 U	--	--	--	--
Methoxychlor	E1699	--	0.19 U	0.29 U	--	--	--	--
Mirex	E1699	--	0.73 J	1.1 J	--	--	--	--
Nonachlor, cis-	E1699	--	6.8	18	--	--	--	--
Nonachlor, trans-	E1699	--	18	51	--	--	--	--
Oxychlordane	E1699	--	0.11 U	0.072 U	--	--	--	--
Sum DDD high resolution (U = 0)	--	--	67	126	--	--	--	--
Sum DDD high resolution (U = 1/2)	--	--	67	126	--	--	--	--
Sum DDE high resolution (U = 0)	--	--	38	65.9	--	--	--	--
Sum DDE high resolution (U = 1/2)	--	--	38.22	65.9	--	--	--	--
Sum DDT high resolution (U = 0)	--	--	5	12	--	--	--	--
Sum DDT high resolution (U = 1/2)	--	--	5.17	12	--	--	--	--
Total chlordane high resolution (U = 0)	--	--	81.8	232	--	--	--	--
Total chlordane high resolution (U = 1/2)	--	--	81.85	232.036	--	--	--	--
Total DDx high resolution (U = 0)	--	--	110	203.9	--	--	--	--
Total DDx high resolution (U = 1/2)	--	--	110.39	203.9	--	--	--	--
Toxaphene	E1699	--	6.7 U	8.9 U	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2144	Spring Surface Sediment 2145	Spring Surface Sediment 2146	Spring Surface Sediment 2147	Spring Surface Sediment 2148	Spring Surface Sediment 2149
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.94	1.94	2.06	2.07	2.07	2.07
Location ID		NC058SG_20120501	NC059SG_20120501	NC060SG_20120501	NC061SG_20120501	NC062SG_20120501	NC062SG_20120501
Sample ID		NC058SG-000015-20120501	NC059SG-000015-20120501	NC060SG-000015-20120501	NC061SG-000015-20120501	NC062SG-000015-20120501	NC1062SG-000015-20120501
Sample Date		5/1/2012	5/1/2012	5/1/2012	5/1/2012	5/1/2012	5/1/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		24.8	11.3	7	21.5	14.1	14.1
Sample Type		N	N	N	N	N	FD
Matrix		SE	SE	SE	SE	SE	SE
Herbicides (µg/kg)							
2,2-Dichloropropionic acid (dalapon)	SW8151A	320 U	290 U	260 U	290 U	310 U	320 U
2,4,5-T (2,4,5-trichlorophenoxyacetic acid)	SW8151A	71 U	65 U	59 U	64 U	68 U	71 U
2,4,5-TP (Silvex)	SW8151A	71 U	65 U	59 U	64 U	68 U	71 U
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	290 U	260 U	240 U	260 U	270 U	280 U
2,4-DB (2,4-D derivative)	SW8151A	290 U	260 U	240 U	260 U	270 U	280 U
Dicamba	SW8151A	140 U	130 U	120 U	130 U	140 U	140 U
Dichlorprop	SW8151A	290 U	94 J	240 U	260 U	47 J	280 U
Dinoseb	SW8151A	43 U	39 U	35 U	38 U	41 U	42 U
Mecoprop (MCP)	SW8151A	29000 U	26000 U	24000 U	26000 U	27000 U	28000 U
Mephanac (MCPA)	SW8151A	29000 U	26000 U	24000 U	26000 U	27000 U	28000 U
Dioxin Furans (ng/kg)							
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	--	6.71	6.17	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	--	15.1	17.4	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	21.7	27	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	60.3	60	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	48.3	49.2	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B	--	1010	1080	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B	--	9080	10100	--	--	--
Total tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	--	169 J	160 J	--	--	--
Total pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	--	174 J	187	--	--	--
Total hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	582	603	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2144	Spring Surface Sediment 2145	Spring Surface Sediment 2146	Spring Surface Sediment 2147	Spring Surface Sediment 2148	Spring Surface Sediment 2149
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	1.94	1.94	2.06	2.07	2.07	2.07
		Location ID	NC058SG_20120501	NC059SG_20120501	NC060SG_20120501	NC061SG_20120501	NC062SG_20120501	NC062SG_20120501
		Sample ID	NC058SG-000015-20120501	NC059SG-000015-20120501	NC060SG-000015-20120501	NC061SG-000015-20120501	NC062SG-000015-20120501	NC1062SG-000015-20120501
		Sample Date	5/1/2012	5/1/2012	5/1/2012	5/1/2012	5/1/2012	5/1/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	24.8	11.3	7	21.5	14.1	14.1
		Sample Type	N	N	N	N	N	FD
		Matrix	SE	SE	SE	SE	SE	SE
Total heptachlorodibenzo-p-dioxin (HpCDD)	E1613B	--	--	2100	2190	--	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B	--	--	31.6	29.7	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B	--	--	80.9	74.4	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B	--	--	58.6	63	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B	--	--	291	251	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B	--	--	159 J	132 J	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B	--	--	0.457 U	18	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B	--	--	71.4	72.9	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B	--	--	2030	1440	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B	--	--	46.5	45.4	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B	--	--	1900	1560	--	--	--
Total tetrachlorodibenzofuran (TCDF)	E1613B	--	--	806 J	840 J	--	--	--
Total pentachlorodibenzofuran (PeCDF)	E1613B	--	--	1120 J	1010 J	--	--	--
Total hexachlorodibenzofuran (HxCDF)	E1613B	--	--	1690 J	1490 J	--	--	--
Total heptachlorodibenzofuran (HpCDF)	E1613B	--	--	2540	1940	--	--	--
Total dioxin/furan TEQ 1998 (avian) (U = 0)	--	--	--	201.631 J	195.07 J	--	--	--
Total dioxin/furan TEQ 1998 (avian) (U = 1/2)	--	--	--	201.654 J	195.07 J	--	--	--
Total dioxin/furan TEQ 1998 (fish) (U = 0)	--	--	--	143.684 J	139.36 J	--	--	--
Total dioxin/furan TEQ 1998 (fish) (U = 1/2)	--	--	--	143.707 J	139.36 J	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2144	Spring Surface Sediment 2145	Spring Surface Sediment 2146	Spring Surface Sediment 2147	Spring Surface Sediment 2148	Spring Surface Sediment 2149
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.94	1.94	2.06	2.07	2.07	2.07
Location ID		NC058SG_20120501	NC059SG_20120501	NC060SG_20120501	NC061SG_20120501	NC062SG_20120501	NC062SG_20120501
Sample ID		NC058SG-000015-20120501	NC059SG-000015-20120501	NC060SG-000015-20120501	NC061SG-000015-20120501	NC062SG-000015-20120501	NC1062SG-000015-20120501
Sample Date		5/1/2012	5/1/2012	5/1/2012	5/1/2012	5/1/2012	5/1/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		24.8	11.3	7	21.5	14.1	14.1
Sample Type		N	N	N	N	N	FD
Matrix		SE	SE	SE	SE	SE	SE
Total dioxin/furan TEQ 2005 (mammal) (U = 0)	--	--	144.306 J	137.83 J	--	--	--
Total dioxin/furan TEQ 2005 (mammal) (U = 1/2)	--	--	144.329 J	137.83 J	--	--	--
PCB Aroclors (µg/kg)							
Aroclor 1016	SW8082A	15 U	13 U	12 U	13 U	14 U	15 U
Aroclor 1221	SW8082A	15 U	13 U	12 U	13 U	14 U	15 U
Aroclor 1232	SW8082A	15 U	13 U	12 U	13 U	14 U	15 U
Aroclor 1242	SW8082A	190	260	380	340	400	430
Aroclor 1248	SW8082A	15 U	13 U	12 U	13 U	14 U	15 U
Aroclor 1254	SW8082A	480	740	730	860	980	1100
Aroclor 1260	SW8082A	15 U	13 U	12 U	13 U	14 U	15 U
Aroclor 1262	SW8082A	15 U	13 U	12 U	13 U	14 U	15 U
Aroclor 1268	SW8082A	15 U	13 U	12 U	13 U	14 U	15 U
Total PCB Aroclors (U = 0)	--	670	1000	1110	1200	1380	1530
Total PCB Aroclors (U = 1/2)	--	722.5	1045.5	1152	1245.5	1429	1582.5
PCB Congeners (ng/kg)							
PCB-001	E1668B	--	2470	12300 J	--	--	--
PCB-002	E1668B	--	531	547	--	--	--
PCB-003	E1668B	--	3970	3890	--	--	--
PCB-004	E1668B	--	3930	11300	--	--	--
PCB-005	E1668B	--	35 U	953	--	--	--
PCB-006	E1668B	--	2570	5910	--	--	--
PCB-007	E1668B	--	423	1650	--	--	--
PCB-008	E1668B	--	9210	24200 J	--	--	--
PCB-009	E1668B	--	649 J	2280	--	--	--
PCB-010	E1668B	--	463	925	--	--	--
PCB-011	E1668B	--	2370	2490	--	--	--
PCB-012/013	E1668B	--	2710	3380	--	--	--
PCB-014	E1668B	--	28 U	29.4 U	--	--	--
PCB-015	E1668B	--	20800 J	26500 J	--	--	--
PCB-016	E1668B	--	5450	13900 J	--	--	--
PCB-017	E1668B	--	7850	16900 J	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2144	Spring Surface Sediment 2145	Spring Surface Sediment 2146	Spring Surface Sediment 2147	Spring Surface Sediment 2148	Spring Surface Sediment 2149
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	1.94	1.94	2.06	2.07	2.07	2.07
		Location ID	NC058SG_20120501	NC059SG_20120501	NC060SG_20120501	NC061SG_20120501	NC062SG_20120501	NC062SG_20120501
		Sample ID	NC058SG-000015-20120501	NC059SG-000015-20120501	NC060SG-000015-20120501	NC061SG-000015-20120501	NC062SG-000015-20120501	NC1062SG-000015-20120501
		Sample Date	5/1/2012	5/1/2012	5/1/2012	5/1/2012	5/1/2012	5/1/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	24.8	11.3	7	21.5	14.1	14.1
		Sample Type	N	N	N	N	N	FD
		Matrix	SE	SE	SE	SE	SE	SE
PCB-018/030	E1668B	--	13300	31900 J	--	--	--	--
PCB-019	E1668B	--	1620	3890	--	--	--	--
PCB-020/028	E1668B	--	39000 J	68100 J	--	--	--	--
PCB-021/033	E1668B	--	9610	22300	--	--	--	--
PCB-022	E1668B	--	10500	22300 J	--	--	--	--
PCB-023	E1668B	--	28.4	59 J	--	--	--	--
PCB-024	E1668B	--	9.28 U	640	--	--	--	--
PCB-025	E1668B	--	3930	5790	--	--	--	--
PCB-026/029	E1668B	--	6260	9670	--	--	--	--
PCB-027	E1668B	--	1940	3570	--	--	--	--
PCB-031	E1668B	--	31600 J	56200 J	--	--	--	--
PCB-032	E1668B	--	6140	12600 J	--	--	--	--
PCB-034	E1668B	--	191	264	--	--	--	--
PCB-035	E1668B	--	980	1440	--	--	--	--
PCB-036	E1668B	--	20.9 U	27.8 U	--	--	--	--
PCB-037	E1668B	--	14200 J	22700 J	--	--	--	--
PCB-038	E1668B	--	40.5	78.8 J	--	--	--	--
PCB-039	E1668B	--	254	437	--	--	--	--
PCB-040/071	E1668B	--	16600	26900 J	--	--	--	--
PCB-041	E1668B	--	3470	6440	--	--	--	--
PCB-042	E1668B	--	10500	17600 J	--	--	--	--
PCB-043	E1668B	--	1330	2160	--	--	--	--
PCB-044/047/065	E1668B	--	36500	59700 J	--	--	--	--
PCB-045	E1668B	--	--	--	--	--	--	--
PCB-045/051	E1668B	--	6630	12300	--	--	--	--
PCB-046	E1668B	--	2100	3930	--	--	--	--
PCB-048	E1668B	--	7480	13000 J	--	--	--	--
PCB-049/069	E1668B	--	26300	38700 J	--	--	--	--
PCB-050/053	E1668B	--	5380	9490	--	--	--	--
PCB-051	E1668B	--	--	--	--	--	--	--
PCB-052	E1668B	--	44800 J	75100 J	--	--	--	--
PCB-054	E1668B	--	122 J	172	--	--	--	--
PCB-055	E1668B	--	726	711	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2144	Spring Surface Sediment 2145	Spring Surface Sediment 2146	Spring Surface Sediment 2147	Spring Surface Sediment 2148	Spring Surface Sediment 2149
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	1.94	1.94	2.06	2.07	2.07	2.07
		Location ID	NC058SG_20120501	NC059SG_20120501	NC060SG_20120501	NC061SG_20120501	NC062SG_20120501	NC062SG_20120501
		Sample ID	NC058SG-000015-20120501	NC059SG-000015-20120501	NC060SG-000015-20120501	NC061SG-000015-20120501	NC062SG-000015-20120501	NC1062SG-000015-20120501
		Sample Date	5/1/2012	5/1/2012	5/1/2012	5/1/2012	5/1/2012	5/1/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	24.8	11.3	7	21.5	14.1	14.1
		Sample Type	N	N	N	N	N	FD
		Matrix	SE	SE	SE	SE	SE	SE
PCB-056	E1668B	--		16200 J	24700 J	--	--	--
PCB-057	E1668B	--		1370	2160	--	--	--
PCB-058	E1668B	--		92.1 J	114 J	--	--	--
PCB-059/062/075	E1668B	--		3330	5230	--	--	--
PCB-060	E1668B	--		8200	13100 J	--	--	--
PCB-061/070/074/076	E1668B	--		60300 J	91300 J	--	--	--
PCB-063	E1668B	--		1500	2070	--	--	--
PCB-064	E1668B	--		15600 J	25500 J	--	--	--
PCB-066	E1668B	--		34600 J	51700 J	--	--	--
PCB-067	E1668B	--		1360	2000	--	--	--
PCB-068	E1668B	--		268	272	--	--	--
PCB-072	E1668B	--		395	413 J	--	--	--
PCB-073	E1668B	--		29.3 U	21.6 U	--	--	--
PCB-077	E1668B	--		4830	6400	--	--	--
PCB-078	E1668B	--		34 U	39.8 U	--	--	--
PCB-079	E1668B	--		419	1020	--	--	--
PCB-080	E1668B	--		30.2 U	35.3 U	--	--	--
PCB-081	E1668B	--		166 J	257	--	--	--
PCB-082	E1668B	--		6410	9780	--	--	--
PCB-083	E1668B	--		2500	3430 J	--	--	--
PCB-084	E1668B	--		11000	17400 J	--	--	--
PCB-085/116	E1668B	--		--	--	--	--	--
PCB-085/116/117	E1668B	--		8570	12700	--	--	--
PCB-086/087/097/108/119/125	E1668B	--		34300	51400	--	--	--
PCB-088	E1668B	--		--	--	--	--	--
PCB-088/091	E1668B	--		7220	10300	--	--	--
PCB-089	E1668B	--		583	951	--	--	--
PCB-090/101/113	E1668B	--		50100 J	75400 J	--	--	--
PCB-091	E1668B	--		--	--	--	--	--
PCB-092	E1668B	--		8080	12200 J	--	--	--
PCB-093/100	E1668B	--		535	379	--	--	--
PCB-094	E1668B	--		324	428	--	--	--
PCB-095	E1668B	--		33000 J	51600 J	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2144	Spring Surface Sediment 2145	Spring Surface Sediment 2146	Spring Surface Sediment 2147	Spring Surface Sediment 2148	Spring Surface Sediment 2149
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	1.94	1.94	2.06	2.07	2.07	2.07
		Location ID	NC058SG_20120501	NC059SG_20120501	NC060SG_20120501	NC061SG_20120501	NC062SG_20120501	NC062SG_20120501
		Sample ID	NC058SG-000015-20120501	NC059SG-000015-20120501	NC060SG-000015-20120501	NC061SG-000015-20120501	NC062SG-000015-20120501	NC1062SG-000015-20120501
		Sample Date	5/1/2012	5/1/2012	5/1/2012	5/1/2012	5/1/2012	5/1/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	24.8	11.3	7	21.5	14.1	14.1
		Sample Type	N	N	N	N	N	FD
		Matrix	SE	SE	SE	SE	SE	SE
PCB-096	E1668B	--	405	624	--	--	--	--
PCB-098	E1668B	--	--	--	--	--	--	--
PCB-098/102	E1668B	--	1740	2090	--	--	--	--
PCB-099	E1668B	--	23500 J	33100 J	--	--	--	--
PCB-102	E1668B	--	--	--	--	--	--	--
PCB-103	E1668B	--	470	585	--	--	--	--
PCB-104	E1668B	--	46.5 J	23.7	--	--	--	--
PCB-105	E1668B	--	21000 J	29700 J	--	--	--	--
PCB-106	E1668B	--	115 U	56.6 U	--	--	--	--
PCB-107/124	E1668B	--	1850	2780	--	--	--	--
PCB-109	E1668B	--	3350	4460	--	--	--	--
PCB-110	E1668B	--	--	--	--	--	--	--
PCB-110/115	E1668B	--	56000 J	83800 J	--	--	--	--
PCB-111	E1668B	--	36.4 U	36 U	--	--	--	--
PCB-112	E1668B	--	37.8 U	37.3 U	--	--	--	--
PCB-114	E1668B	--	1120	1750	--	--	--	--
PCB-115	E1668B	--	--	--	--	--	--	--
PCB-117	E1668B	--	--	--	--	--	--	--
PCB-118	E1668B	--	49600 J	68400 J	--	--	--	--
PCB-120	E1668B	--	93 J	112	--	--	--	--
PCB-121	E1668B	--	37.9 U	37.4 U	--	--	--	--
PCB-122	E1668B	--	562	841	--	--	--	--
PCB-123	E1668B	--	928	1770	--	--	--	--
PCB-126	E1668B	--	673	914	--	--	--	--
PCB-127	E1668B	--	458	588	--	--	--	--
PCB-128/166	E1668B	--	9770	13600	--	--	--	--
PCB-129/138/163	E1668B	--	64100 J	88500 J	--	--	--	--
PCB-130	E1668B	--	3650	5060	--	--	--	--
PCB-131	E1668B	--	891	1170	--	--	--	--
PCB-132	E1668B	--	19100 J	27500 J	--	--	--	--
PCB-133	E1668B	--	868	1110 J	--	--	--	--
PCB-134	E1668B	--	3240	4660	--	--	--	--
PCB-135/151	E1668B	--	17100	25200 J	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2144	Spring Surface Sediment 2145	Spring Surface Sediment 2146	Spring Surface Sediment 2147	Spring Surface Sediment 2148	Spring Surface Sediment 2149
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	1.94	1.94	2.06	2.07	2.07	2.07
		Location ID	NC058SG_20120501	NC059SG_20120501	NC060SG_20120501	NC061SG_20120501	NC062SG_20120501	NC062SG_20120501
		Sample ID	NC058SG-000015-20120501	NC059SG-000015-20120501	NC060SG-000015-20120501	NC061SG-000015-20120501	NC062SG-000015-20120501	NC1062SG-000015-20120501
		Sample Date	5/1/2012	5/1/2012	5/1/2012	5/1/2012	5/1/2012	5/1/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	24.8	11.3	7	21.5	14.1	14.1
		Sample Type	N	N	N	N	N	FD
		Matrix	SE	SE	SE	SE	SE	SE
PCB-136	E1668B	--		6390	9610	--	--	--
PCB-137	E1668B	--		2320 J	3160 J	--	--	--
PCB-139/140	E1668B	--		1030	1330	--	--	--
PCB-141	E1668B	--		10500	15200 J	--	--	--
PCB-142	E1668B	--		56.4 U	57.6 U	--	--	--
PCB-143	E1668B	--		49 U	50 U	--	--	--
PCB-144	E1668B	--		2810	4100	--	--	--
PCB-145	E1668B	--		27.2 U	29.2 U	--	--	--
PCB-146	E1668B	--		8480	11500 J	--	--	--
PCB-147/149	E1668B	--		45800 J	64400 J	--	--	--
PCB-148	E1668B	--		35 U	80.5 J	--	--	--
PCB-150	E1668B	--		25.7 U	149	--	--	--
PCB-152	E1668B	--		25.8 U	96.8	--	--	--
PCB-153/168	E1668B	--		50300 J	70100 J	--	--	--
PCB-154	E1668B	--		803	915	--	--	--
PCB-155	E1668B	--		24.3 U	28.6 J	--	--	--
PCB-156/157	E1668B	--		8020	11000	--	--	--
PCB-158	E1668B	--		6460	9150	--	--	--
PCB-159	E1668B	--		44.9 U	42.3 U	--	--	--
PCB-160	E1668B	--		42.9 U	43.8 U	--	--	--
PCB-161	E1668B	--		39 U	39.9 U	--	--	--
PCB-162	E1668B	--		41.4 U	38.9 U	--	--	--
PCB-164	E1668B	--		4390	6060	--	--	--
PCB-165	E1668B	--		43.7 U	44.6 U	--	--	--
PCB-167	E1668B	--		2850	3650	--	--	--
PCB-169	E1668B	--		209 J	226 J	--	--	--
PCB-170	E1668B	--		14200 J	20700 J	--	--	--
PCB-171/173	E1668B	--		4410	6170	--	--	--
PCB-172	E1668B	--		2340	3390	--	--	--
PCB-174	E1668B	--		13400 J	20700 J	--	--	--
PCB-175	E1668B	--		630	883	--	--	--
PCB-176	E1668B	--		1700	2490	--	--	--
PCB-177	E1668B	--		8180	11500	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2144	Spring Surface Sediment 2145	Spring Surface Sediment 2146	Spring Surface Sediment 2147	Spring Surface Sediment 2148	Spring Surface Sediment 2149
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	1.94	1.94	2.06	2.07	2.07	2.07
		Location ID	NC058SG_20120501	NC059SG_20120501	NC060SG_20120501	NC061SG_20120501	NC062SG_20120501	NC062SG_20120501
		Sample ID	NC058SG-000015-20120501	NC059SG-000015-20120501	NC060SG-000015-20120501	NC061SG-000015-20120501	NC062SG-000015-20120501	NC1062SG-000015-20120501
		Sample Date	5/1/2012	5/1/2012	5/1/2012	5/1/2012	5/1/2012	5/1/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	24.8	11.3	7	21.5	14.1	14.1
		Sample Type	N	N	N	N	N	FD
		Matrix	SE	SE	SE	SE	SE	SE
PCB-178	E1668B	--	2920	4140	--	--	--	--
PCB-179	E1668B	--	6000	9160	--	--	--	--
PCB-180/193	E1668B	--	32100 J	46900 J	--	--	--	--
PCB-181	E1668B	--	125	161	--	--	--	--
PCB-182	E1668B	--	30.9 U	33.8 U	--	--	--	--
PCB-183	E1668B	--	--	--	--	--	--	--
PCB-183/185	E1668B	--	9470	13500	--	--	--	--
PCB-184	E1668B	--	26 U	28.5 U	--	--	--	--
PCB-185	E1668B	--	--	--	--	--	--	--
PCB-186	E1668B	--	24.5 U	26.9 U	--	--	--	--
PCB-187	E1668B	--	21500 J	31400 J	--	--	--	--
PCB-188	E1668B	--	58.4 J	55.1 J	--	--	--	--
PCB-189	E1668B	--	617 J	887	--	--	--	--
PCB-190	E1668B	--	3070	4080	--	--	--	--
PCB-191	E1668B	--	560	765	--	--	--	--
PCB-192	E1668B	--	39.8 U	34.7 U	--	--	--	--
PCB-194	E1668B	--	9440	13600 J	--	--	--	--
PCB-195	E1668B	--	3310	4940	--	--	--	--
PCB-196	E1668B	--	4480	6850	--	--	--	--
PCB-197	E1668B	--	--	--	--	--	--	--
PCB-197/200	E1668B	--	1340	2040	--	--	--	--
PCB-198/199	E1668B	--	11100	15400	--	--	--	--
PCB-200	E1668B	--	--	--	--	--	--	--
PCB-201	E1668B	--	1240	1720	--	--	--	--
PCB-202	E1668B	--	2400	2940	--	--	--	--
PCB-203	E1668B	--	7100	9340	--	--	--	--
PCB-204	E1668B	--	28.9 U	33 U	--	--	--	--
PCB-205	E1668B	--	443	713	--	--	--	--
PCB-206	E1668B	--	8130	7200	--	--	--	--
PCB-207	E1668B	--	728	677	--	--	--	--
PCB-208	E1668B	--	2620	2190	--	--	--	--
PCB-209	E1668B	--	5200	5110	--	--	--	--
Total PCB congener (U = 0)	--	--	1285867.9 J	1986165.5 J	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2144	Spring Surface Sediment 2145	Spring Surface Sediment 2146	Spring Surface Sediment 2147	Spring Surface Sediment 2148	Spring Surface Sediment 2149
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		1.94	1.94	2.06	2.07	2.07	2.07
Location ID		NC058SG_20120501	NC059SG_20120501	NC060SG_20120501	NC061SG_20120501	NC062SG_20120501	NC062SG_20120501
Sample ID		NC058SG-000015-20120501	NC059SG-000015-20120501	NC060SG-000015-20120501	NC061SG-000015-20120501	NC062SG-000015-20120501	NC1062SG-000015-20120501
Sample Date		5/1/2012	5/1/2012	5/1/2012	5/1/2012	5/1/2012	5/1/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		24.8	11.3	7	21.5	14.1	14.1
Sample Type		N	N	N	N	N	FD
Matrix		SE	SE	SE	SE	SE	SE
Total PCB congener (U = 1/2)	--	--	1286377.49 J	1986577.7 J	--	--	--
Total PCB congener TEQ 1998 (avian) (U = 0)	--	--	329.16295 J	442.31807 J	--	--	--
Total PCB congener TEQ 1998 (avian) (U = 1/2)	--	--	329.16295 J	442.31807 J	--	--	--
Total PCB congener TEQ 1998 (fish) (U = 0)	--	--	4.362125 J	5.935585 J	--	--	--
Total PCB congener TEQ 1998 (fish) (U = 1/2)	--	--	4.362125 J	5.935585 J	--	--	--
Total PCB congener TEQ 2005 (mammal) (U = 0)	--	--	76.62685 J	102.41181 J	--	--	--
Total PCB congener TEQ 2005 (mammal) (U = 1/2)	--	--	76.62685 J	102.41181 J	--	--	--
Total Petroleum Hydrocarbons (mg/kg)							
Diesel range organics (C10 - C28)	SW8015M	3640	3600	5020	5960	8110	6940
Phytane	SW8015M	2.26 J	2.04 J	2.95 J	2.79 J	4.04 J	3.92
Pristane	SW8015M	2.66 J	2 J	2.97 J	4.88	7.19 J	5.63
Total petroleum hydrocarbons (C9-C40)	SW8015M	7240	7600	10500	10700	15000	12400
Radionuclides (pci/g)							
Beryllium 7	HASL300	--	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task Tributary River Mile Location ID Sample ID Sample Date Sample Depth Water Column Depth Sample Type Matrix	Spring Surface Sediment 2150	Spring Surface Sediment 2151	Spring Surface Sediment 2152	Spring Surface Sediment 2153	Spring Surface Sediment 2154	Spring Surface Sediment 2155
	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
	2.22	2.22	2.22	2.31	2.32	2.32
	NC063SG_20120503	NC064SG_20120503	NC065SG_20120503	NC066SG_20120503	NC067SG_20120503	NC067SG_20120503
	NC063SG-000015-20120503	NC064SG-000015-20120503	NC065SG-000013-20120503	NC066SG-000015-20120503	NC067SG-000015-20120503	NC1067SG-000015-20120503
	5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/3/2012
	0 - 15 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
	16.5	21.3	8.2	12.3	21.9	21.9
	N	N	N	N	N	FD
	SE	SE	SE	SE	SE	SE
Conventional Parameters (lb/ft³)						
Density	D7263	18.1	22.7	30.1	20.7	17.8
Conventional Parameters (mg/kg)						
Ammonia as nitrogen	SM4500NH3H	120	140	36	180	110
Cyanide, total	SW9012A	3.6 U	3.3 U	2.5 U	3.4 U	3.8 U
Nitrate + nitrite as nitrogen	SM4500NO3F	10	8.9	6.7	9.2 U	9.6 U
Nitrogen ((No Suggestions))	SM4500NORGC	4100	3700	3800	5300	5000
Phosphorus	SM4500PE	2600	2500	1000	4500	4200
Sulfide	SW9030B	6100	6200	6800	7400	11000
Conventional Parameters (pct)						
Moisture (water) content	D2216	--	233.5	--	258.4	--
Moisture, percent	D2216	--	71	--	--	--
Soot carbon	SOOTC	0.135 J	0.318 J	0.428 J	0.574 J	0.195 J
Total organic carbon	SW9060	6.095	5.45	6.34	6.565	5.935
Total solids	SM2540G	26.1	28.9	36.9	27.2	24.8
Conventional Parameters (SU)						
pH	SW9045C	7.6	7.8	7.7	7.7	7.8
Conventional Parameters (unitless)						
Liquid limit	D4318	--	135	--	144	--
Plastic limit	D4318	--	57	--	54	--
Plasticity index	D4318	--	78	--	90 J	--
Specific gravity	D854	--	2.49	--	2.37	--
Grain Size (pct)						
Cobbles	D422	0	0	0	0	0
Gravel	D422	0.3	0.6	0.6	0	0
Sand	D422	8.1	17.3	58.7	12.6 J	3.6
Fines (silt + clay)	D422	91.6	82.1	40.7	87.4	96.4
Percent passing 0.375 inch (3/8 inch sieve)	D422	100	100	100	--	--
Percent passing 0.5 inch (1/2 inch sieve)	D422	--	--	100	--	--
Percent passing 0.75 inch (3/4 inch sieve)	D422	--	--	--	--	--
Percent passing 1 inch (1 inch sieve)	D422	--	--	--	--	--
Percent passing 75 micron sieve (#200)	D422	92	82	41	87	96
Percent passing 150 micron sieve (#100)	D422	95	89	49	92	98

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2150	Spring Surface Sediment 2151	Spring Surface Sediment 2152	Spring Surface Sediment 2153	Spring Surface Sediment 2154	Spring Surface Sediment 2155
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		2.22	2.22	2.22	2.31	2.32	2.32
Location ID		NC063SG_20120503	NC064SG_20120503	NC065SG_20120503	NC066SG_20120503	NC067SG_20120503	NC067SG_20120503
Sample ID		NC063SG-000015-20120503	NC064SG-000015-20120503	NC065SG-000013-20120503	NC066SG-000015-20120503	NC067SG-000015-20120503	NC1067SG-000015-20120503
Sample Date		5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/3/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		16.5	21.3	8.2	12.3	21.9	21.9
Sample Type		N	N	N	N	N	FD
Matrix		SE	SE	SE	SE	SE	SE
Percent passing 250 micron sieve (#60)	D422	97	92	68	86	99	98
Percent passing 425 micron sieve (#40)	D422	98	96	87	98	99	99
Percent passing 850 micron sieve (#20)	D422	99	98	95	99	100	100
Percent passing 2000 micron sieve (#10)	D422	100	99	98	100	100	100
Percent passing 4750 micron sieve (#4)	D422	100	99	99	100	100	100
Metals (mg/kg)							
Aluminum	SW6020A	14800	14500	7630	15700	15000	14600
Antimony	SW6020A	1.89 J	2.04 J	2.04 J	5.56 J	3.45 J	3.64 J
Arsenic	SW6020A	29.8	32.6	16.4	101	60.2	59.4
Barium	SW6020A	142	152	119	204	177	165
Beryllium	SW6020A	1.16	0.818	0.441	0.944	0.849	0.93
Cadmium	SW6020A	13.7	17.2	4.02	58.6	35.9	34.2
Calcium	SW6020A	12600	13200	14100	16200	14200	13500
Chromium	SW6020A	178	191	88.1	472	286	281
Cobalt	SW6020A	14.3	13.4	7.16	24.9	18.5	18.5
Copper	SW6020A	1400	1860	907	5510	3470	3350
Iron	SW6020A	31900	32500	19800	36000	37300	32800
Lead	SW6020A	375	447	448	860	595	562
Magnesium	SW6020A	14400	13400	10400	13200	13300	13600
Manganese	SW6020A	318	296	130	320	289	278
Mercury	E1631M	2.41	1.69	0.578	3.28	2.22	2.17
Nickel	SW6020A	178	217	62.9	776	467	457
Potassium	SW6020A	3680	3530	2060	3640	3820	3800
Selenium	SW6020A	5.16	15.3	2.43	10.6	7.76	7.42
Silver	SW6020A	8.98	10.1	5.14	21.7	13.8	14
Sodium	SW6020A	23900 J	21300 J	14600 J	20000 J	25800 J	27400 J
Thallium	SW6020A	0.647	0.448	0.177	0.623	0.566	0.813
Tin	SW6020A	35.7	40	24.2	79.9	50.2	50.8
Vanadium	SW6020A	61.5	58.5	36.2	95.9	66.4	62.2
Zinc	SW6020A	1140	1320	752	3730	2460	2320
Organometallic Compounds (µg/kg)							
Methyl mercury	E1630M	--	0.827	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2150	Spring Surface Sediment 2151	Spring Surface Sediment 2152	Spring Surface Sediment 2153	Spring Surface Sediment 2154	Spring Surface Sediment 2155
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		2.22	2.22	2.22	2.31	2.32	2.32
Location ID		NC063SG_20120503	NC064SG_20120503	NC065SG_20120503	NC066SG_20120503	NC067SG_20120503	NC067SG_20120503
Sample ID		NC063SG-000015-20120503	NC064SG-000015-20120503	NC065SG-000013-20120503	NC066SG-000015-20120503	NC067SG-000015-20120503	NC1067SG-000015-20120503
Sample Date		5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/3/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		16.5	21.3	8.2	12.3	21.9	21.9
Sample Type		N	N	N	N	N	FD
Matrix		SE	SE	SE	SE	SE	SE
Volatile Organics (µg/kg)							
1,1,1-Trichloroethane	SW8260B	3.8 U	3.5 U	2.7 U	320 U	4 U	4.2 U
1,1,2,2-Tetrachloroethane	SW8260B	3.8 U	3.5 U	2.7 U	320 UJ	4 U	4.2 U
1,1,2-Trichloroethane	SW8260B	5.7 U	5.2 U	4.1 U	480 U	6 U	6.3 U
1,1,2-Trichlorotrifluoroethane	SW8260B	77 U	69 U	54 U	6400 U	81 U	84 U
1,1-Dichloroethane	SW8260B	5.7 U	5.2 U	4.1 U	480 U	6 U	6.3 U
1,1-Dichloroethene	SW8260B	3.8 U	3.5 U	2.7 U	320 U	4 U	4.2 U
1,2,3-Trichlorobenzene	SW8260B	19 U	17 U	14 U	1600 U	20 U	21 U
1,2,4-Trichlorobenzene	SW8260B	19 U	17 U	14 U	1600 U	20 U	21 U
1,2-Dibromo-3-chloropropane	SW8260B	19 U	17 U	14 U	1600 U	20 U	21 U
1,2-Dichlorobenzene	SW8260B	19 U	17 U	14 U	1600 U	20 U	21 U
1,2-Dichloroethane	SW8260B	3.8 U	3.5 U	2.7 U	320 U	4 U	4.2 U
1,2-Dichloroethene, cis-	SW8260B	3.8 U	3.5 U	2.7 U	320 U	4 U	4.2 U
1,2-Dichloroethene, trans-	SW8260B	5.7 U	5.2 U	4.1 U	480 U	6 U	6.3 U
1,2-Dichloropropane	SW8260B	13 U	12 U	9.5 U	1100 U	14 U	15 U
1,3-Dichlorobenzene	SW8260B	19 U	17 U	14 U	1600 U	20 U	21 U
1,3-Dichloropropene, cis-	SW8260B	3.8 U	3.5 U	2.7 U	320 U	4 U	4.2 U
1,3-Dichloropropene, trans-	SW8260B	3.8 U	3.5 U	2.7 U	320 U	4 U	4.2 U
1,4-Dichlorobenzene	SW8260B	19 U	17 U	1.4 J	1600 U	20 U	21 U
2-Butanone (MEK)	SW8260B	91	74	84	3200 U	110	100
2-Hexanone (methyl butyl ketone)	SW8260B	38 U	35 U	27 U	3200 UJ	40 U	42 U
Acetone	SW8260B	480	390	390	11000 U	460	450
Benzene	SW8260B	3.8 U	3.5 U	2.7 U	320 U	4 U	4.2 U
Bromochloromethane	SW8260B	19 U	17 U	14 U	1600 U	20 U	21 U
Bromodichloromethane	SW8260B	3.8 U	3.5 U	2.7 U	320 U	4 U	4.2 U
Bromoform (tribromomethane)	SW8260B	15 U	14 U	11 U	1300 U	16 U	17 U
Bromomethane (methyl bromide)	SW8260B	7.7 U	6.9 U	5.4 U	640 UJ	8.1 U	8.4 U
Carbon disulfide	SW8260B	42	39	16 J	3200 J	110	100
Carbon tetrachloride (tetrachloromethane)	SW8260B	3.8 U	3.5 U	2.7 U	320 U	4 U	4.2 U
Chlorobenzene	SW8260B	3.8 U	3.5 U	2.7 U	320 U	4 U	2.1 J
Chloroethane	SW8260B	7.7 U	6.9 U	5.4 U	640 UJ	8.1 U	8.4 U
Chloroform	SW8260B	5.7 U	5.2 U	4.1 U	480 U	6 U	6.3 U

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2150	Spring Surface Sediment 2151	Spring Surface Sediment 2152	Spring Surface Sediment 2153	Spring Surface Sediment 2154	Spring Surface Sediment 2155
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	2.22	2.22	2.22	2.31	2.32	2.32
		Location ID	NC063SG_20120503	NC064SG_20120503	NC065SG_20120503	NC066SG_20120503	NC067SG_20120503	NC067SG_20120503
		Sample ID	NC063SG-000015-20120503	NC064SG-000015-20120503	NC065SG-000013-20120503	NC066SG-000015-20120503	NC067SG-000015-20120503	NC1067SG-000015-20120503
		Sample Date	5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/3/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	16.5	21.3	8.2	12.3	21.9	21.9
		Sample Type	N	N	N	N	N	FD
		Matrix	SE	SE	SE	SE	SE	SE
Chloromethane	SW8260B		19 U	17 U	14 U	1600 U	20 U	21 U
Cyclohexane	SW8260B		77 U	69 U	54 U	-- R	81 U	84 U
Dibromochloromethane	SW8260B		3.8 U	3.5 U	2.7 U	320 U	4 U	4.2 U
Dichlorodifluoromethane	SW8260B		38 U	35 U	27 U	3200 U	40 U	42 U
Dichloromethane (methylene chloride)	SW8260B		38 U	35 U	27 U	3200 U	40 U	42 U
Ethylbenzene	SW8260B		3.8 U	3.5 U	2.7 U	320 U	4 U	4.2 U
Ethylene dibromide (1,2-Dibromoethane)	SW8260B		15 U	14 U	11 U	1300 U	16 U	17 U
Isopropylbenzene (cumene)	SW8260B		3.8 U	3.5 U	2.7 U	320 U	4 U	4.2 U
m,p-Xylene	SW8260B		7.7 U	6.9 U	5.4 U	640 U	8.1 U	8.4 U
Methyl acetate	SW8260B		77 U	69 U	54 U	6400 U	81 U	84 U
Methyl isobutyl ketone (4-methyl-2-pentanone [MIBK])	SW8260B		38 U	35 U	27 U	3200 U	40 U	42 U
Methyl tert-butyl ether (MTBE)	SW8260B		7.7 U	6.9 U	5.4 U	640 U	8.1 U	8.4 U
Methylcyclohexane	SW8260B		15 U	14 U	11 U	1300 U	16 U	17 U
o-Xylene	SW8260B		7.7 U	6.9 U	5.4 U	640 U	8.1 U	8.4 U
Styrene	SW8260B		7.7 U	6.9 U	5.4 U	640 U	8.1 U	8.4 U
Tetrachloroethene (PCE)	SW8260B		3.8 U	3.5 U	0.99 J	320 U	4 U	4.2 U
Toluene	SW8260B		5.7 U	5.2 U	4.1 U	480 U	6 U	6.3 U
Total BTEX (U = 0)	--		7.7 U	6.9 U	5.4 U	640 U	8.1 U	8.4 U
Total BTEX (U = 1/2)	--		7.7 U	6.9 U	5.4 U	640 U	8.1 U	8.4 U
Total xylene (U = 0)	--		7.7 U	6.9 U	5.4 U	640 U	8.1 U	8.4 U
Total xylene (U = 1/2)	--		7.7 U	6.9 U	5.4 U	640 U	8.1 U	8.4 U
Trichloroethene (TCE)	SW8260B		3.8 U	3.5 U	2.7 U	320 U	4 U	4.2 U
Trichlorofluoromethane (fluorotrichloromethane)	SW8260B		19 U	17 U	14 U	1600 UJ	20 U	21 U
Vinyl acetate	SW8260B		38 U	35 U	27 U	3200 U	40 U	42 U
Vinyl chloride	SW8260B		7.7 U	6.9 U	5.4 U	640 U	8.1 U	8.4 U
Semivolatile Organics (µg/kg)								
1,2,4,5-Tetrachlorobenzene	SW8270C		580 U	540 U	400 U	560 UJ	650 U	650 U
1,4-Dioxane	SW8270C		1200 U	1100 U	810 U	1100 U	1300 U	1300 U
2,3,4,6-Tetrachlorophenol	SW8270C		580 U	540 U	400 U	560 UJ	650 U	650 U
2,4,5-Trichlorophenol	SW8270C		580 U	540 U	400 U	560 UJ	650 U	650 U
2,4,6-Trichlorophenol	SW8270C		580 U	540 U	400 U	560 U	650 U	650 U

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2150	Spring Surface Sediment 2151	Spring Surface Sediment 2152	Spring Surface Sediment 2153	Spring Surface Sediment 2154	Spring Surface Sediment 2155
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	2.22	2.22	2.22	2.31	2.32	2.32
		Location ID	NC063SG_20120503	NC064SG_20120503	NC065SG_20120503	NC066SG_20120503	NC067SG_20120503	NC067SG_20120503
		Sample ID	NC063SG-000015-20120503	NC064SG-000015-20120503	NC065SG-000013-20120503	NC066SG-000015-20120503	NC067SG-000015-20120503	NC1067SG-000015-20120503
		Sample Date	5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/3/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	16.5	21.3	8.2	12.3	21.9	21.9
		Sample Type	N	N	N	N	N	FD
		Matrix	SE	SE	SE	SE	SE	SE
2,4-Dichlorophenol	SW8270C		120 U	110 U	81 U	110 U	130 U	130 U
2,4-Dimethylphenol	SW8270C		580 U	540 U	400 U	560 U	650 U	650 U
2,4-Dinitrophenol	SW8270C		3000 UJ	2800 UJ	2100 UJ	2900 UJ	3300 UJ	3400 UJ
2,4-Dinitrotoluene	SW8270C		580 U	540 U	400 U	560 U	650 U	650 U
2,6-Dinitrotoluene	SW8270C		580 U	540 U	400 U	560 U	650 U	650 U
2-Chloronaphthalene	SW8270C		120 U	110 U	81 U	110 U	130 U	130 U
2-Chlorophenol	SW8270C		580 U	540 U	400 U	560 U	650 U	650 U
2-Methylnaphthalene	SW8270C		280	350	190	780 J	470	640
2-Methylphenol (o-Cresol)	SW8270C		580 U	540 U	400 U	560 U	650 U	650 U
2-Nitroaniline	SW8270C		3000 U	2800 U	2100 U	2900 UJ	3300 U	3400 U
2-Nitrophenol	SW8270C		580 U	540 U	400 U	560 UJ	650 U	650 U
3,3'-Dichlorobenzidine	SW8270C		580 U	540 U	400 U	-- R	650 U	650 U
3-methylphenol and 4-methylphenol (m&p-cresol)	SW8270C		120 J	110 J	110 J	250 J	160 J	220 J
3-Nitroaniline	SW8270C		3000 U	2800 U	2100 U	2900 U	3300 U	3400 U
4-Bromophenyl-phenyl ether	SW8270C		580 U	540 U	400 U	560 U	650 U	650 U
4-Chloro-3-methylphenol	SW8270C		580 U	540 U	400 U	560 U	650 U	650 U
4-Chloroaniline	SW8270C		300 J	390 J	130 J	750 J	450 J	620 J
4-Chlorophenyl phenyl ether	SW8270C		580 U	540 U	400 U	560 UJ	650 U	650 U
4-Nitroaniline	SW8270C		3000 U	2800 U	2100 U	2900 UJ	3300 U	3400 U
4-Nitrophenol	SW8270C		3000 U	2800 U	2100 U	2900 UJ	3300 U	3400 U
Acenaphthene	SW8270C		160	180	150	590	300	350
Acenaphthylene	SW8270C		360	400	140	880 J	510	650
Acetophenone	SW8270C		120 J	120 J	78 J	200 J	650 U	200 J
Anthracene	SW8270C		550	600	420	1600	970	1100
Atrazine	SW8270C		580 UJ	540 UJ	400 UJ	560 UJ	650 UJ	650 UJ
Benzaldehyde	SW8270C		230 J	180 J	190 J	340 J	650 U	300 J
Benzo(a)anthracene	SW8270C		1700	2100	1400	4000 J	2800	3800
Benzo(a)pyrene	SW8270C		2300	2600	1300	3500 J	2800	3100
Benzo(b)fluoranthene	SW8270C		2200	2600	1400	3200 J	2400	2900
Benzo(g,h,i)perylene	SW8270C		1600	1900	1100	2500 J	1900	1800
Benzo(k)fluoranthene	SW8270C		1100	950	710	970 J	1600	1400
Biphenyl (1,1'-Biphenyl)	SW8270C		91 J	540 U	36 J	150 J	110 J	170 J

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2150	Spring Surface Sediment 2151	Spring Surface Sediment 2152	Spring Surface Sediment 2153	Spring Surface Sediment 2154	Spring Surface Sediment 2155
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	2.22	2.22	2.22	2.31	2.32	2.32
		Location ID	NC063SG_20120503	NC064SG_20120503	NC065SG_20120503	NC066SG_20120503	NC067SG_20120503	NC067SG_20120503
		Sample ID	NC063SG-000015-20120503	NC064SG-000015-20120503	NC065SG-000013-20120503	NC066SG-000015-20120503	NC067SG-000015-20120503	NC1067SG-000015-20120503
		Sample Date	5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/3/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	16.5	21.3	8.2	12.3	21.9	21.9
		Sample Type	N	N	N	N	N	FD
		Matrix	SE	SE	SE	SE	SE	SE
bis(2-Chloroethoxy)methane	SW8270C		580 U	540 U	400 U	560 U	650 U	650 U
bis(2-Chloroethyl)ether	SW8270C		120 U	110 U	81 U	110 U	130 U	130 U
bis(2-Chloroisopropyl)ether	SW8270C		120 U	110 U	81 U	110 U	130 U	130 U
Bis(2-ethylhexyl)phthalate	SW8270C		18000	21000	13000	120000	51000	51000
Butylbenzyl phthalate	SW8270C		420 J	540 U	910	560 U	530 J	650 U
Caprolactam	SW8270C		3000 U	2800 U	2100 U	2900 U	3300 U	3400 U
Carbazole	SW8270C		230	250	200	110 U	160	260
Chrysene	SW8270C		2200	2200	1400	4100 J	2700	3300
Dibenzo(a,h)anthracene	SW8270C		270	410	290	610	500	730
Dibenzofuran	SW8270C		130 J	130 J	110 J	560 U	160 J	200 J
Diethyl phthalate	SW8270C		580 U	540 U	400 U	560 U	650 U	650 U
Dimethyl phthalate	SW8270C		580 U	540 U	400 U	560 U	650 U	650 U
Di-n-butyl phthalate	SW8270C		220 J	240 J	220 J	340 J	220 J	230 J
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)	SW8270C		3000 U	2800 U	2100 U	2900 U	3300 U	3400 U
Di-n-octyl phthalate	SW8270C		150 J	540 U	360 J	560 U	650 U	240 J
Fluoranthene	SW8270C		3500	3600	2600	5700 J	4600	5500
Fluorene	SW8270C		170	220	170	310	300	280
Hexachlorobenzene	SW8270C		120 U	110 U	81 U	110 U	130 U	130 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270C		120 U	110 U	81 U	110 U	130 U	130 U
Hexachlorocyclopentadiene	SW8270C		580 U	540 U	400 U	-- R	650 U	650 U
Hexachloroethane	SW8270C		580 U	540 U	400 U	560 U	650 U	650 U
Indeno(1,2,3-c,d)pyrene	SW8270C		1200	1400	910	1800 J	1500	1700
Isophorone	SW8270C		580 U	540 U	400 U	560 U	650 U	650 U
Naphthalene	SW8270C		450	560	170	1300 J	750	990
Nitrobenzene	SW8270C		1200 U	1100 U	810 U	1100 U	1300 U	1300 U
N-Nitrosodi-N-propylamine	SW8270C		120 U	110 U	81 U	110 U	130 U	130 U
N-Nitrosodiphenylamine	SW8270C		580 U	540 U	400 U	-- R	650 U	650 U
Pentachlorophenol	SW8270C		580 UJ	540 UJ	400 UJ	560 UJ	650 UJ	650 UJ
Phenanthrene	SW8270C		1300	1300	1400	1400	1300	1600
Phenol	SW8270C		120 U	110 U	81 U	110 U	130 U	130 U
Pyrene	SW8270C		3900	4600	2700	10000 J	6400	8000

Table A4-2
Surface Sediment Analytical Results

Task	Tributary	Spring Surface Sediment 2150	Spring Surface Sediment 2151	Spring Surface Sediment 2152	Spring Surface Sediment 2153	Spring Surface Sediment 2154	Spring Surface Sediment 2155
		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		2.22	2.22	2.22	2.31	2.32	2.32
Location ID		NC063SG_20120503	NC064SG_20120503	NC065SG_20120503	NC066SG_20120503	NC067SG_20120503	NC067SG_20120503
Sample ID		NC063SG-000015-20120503	NC064SG-000015-20120503	NC065SG-000013-20120503	NC066SG-000015-20120503	NC067SG-000015-20120503	NC1067SG-000015-20120503
Sample Date		5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/3/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		16.5	21.3	8.2	12.3	21.9	21.9
Sample Type		N	N	N	N	N	FD
Matrix		SE	SE	SE	SE	SE	SE
Total cresol (o,m,p) (U = 0)	--	120 J	110 J	110 J	250 J	160 J	220 J
Total cresol (o,m,p) (U = 1/2)	--	410 J	380 J	310 J	530 J	485 J	545 J
Polycyclic Aromatic Hydrocarbons (µg/kg)							
1,6,7-Trimethylnaphthalene	SW8270CMSIM	127	96.3	63.5	1760	1610	754
1-Methyldibenzothiophene	SW8270CMSIM	71.4	91.9	36.8 J	589	708	373
1-Methylnaphthalene	SW8270CMSIM	190	222	123	841	517	395
1-Methylphenanthrene	SW8270CMSIM	285	318	226	1140	2340	1070
2,6-Dimethylnaphthalene	SW8270CMSIM	455	519	192	1720	1280	1130
2-Methylantracene	SW8270CMSIM	271	304	137	1500	1960	884
2-Methyldibenzothiophene and 3-methyldibenzothiophene	SW8270CMSIM	240	246	54.4 J	1710	2300	894
2-Methylnaphthalene	SW8270CMSIM	557	662	242	1840	1220	1260
2-Methylphenanthrene	SW8270CMSIM	404	447	294	1170	1020	878
4-Methyldibenzothiophene	SW8270CMSIM	244	230	107	2310	2710	1160
4-Methylphenanthrene and 9-methylphenanthrene	SW8270CMSIM	471	502	282	3360	6520	1900
Acenaphthene	SW8270CMSIM	229	217	212	1120	1560	538
Acenaphthylene	SW8270CMSIM	524	537	304	1570	1340	902
Anthracene	SW8270CMSIM	957	1010	640	3380	5650	2050
Benzo(a)anthracene	SW8270CMSIM	2930	3010	2050	7930	16500	5770
Benzo(a)pyrene	SW8270CMSIM	3500	3600	2410	6970	10700	5200
Benzo(b)fluoranthene	SW8270CMSIM	3780	3930	2810	6190	11500	5050
Benzo(e)pyrene	SW8270CMSIM	3000	3100	2160	5620	9710	4540
Benzo(g,h,i)perylene	SW8270CMSIM	2660	2690	1980	4660	6190	3780
Benzo(j,k)fluoranthene	SW8270CMSIM	2890	2870	2020	5000	8550	4280
Benzonaphthothiophene	SW8270CMSIM	1100	1210	755	3400	6230	2380
Benzothiophene	SW8270CMSIM	37.6 J	42.9 J	62.8 U	128	86 J	90.4
Carbazole	SW8270CMSIM	238	265	244	381	521	316
Chrysene	SW8270CMSIM	3100	3070	2470	8210	15900	5660
Decalin, cis and trans-	SW8270CMSIM	84.8	86.1	62.4	620	336	216
Dibenzo(a,h)anthracene and dibenzo(a,c)anthracene	SW8270CMSIM	756	778	530	1340	2100	1100
Dibenzothiophene	SW8270CMSIM	234	244	177	748	767	556

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2150	Spring Surface Sediment 2151	Spring Surface Sediment 2152	Spring Surface Sediment 2153	Spring Surface Sediment 2154	Spring Surface Sediment 2155
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		2.22	2.22	2.22	2.31	2.32	2.32
Location ID		NC063SG_20120503	NC064SG_20120503	NC065SG_20120503	NC066SG_20120503	NC067SG_20120503	NC067SG_20120503
Sample ID		NC063SG-000015-20120503	NC064SG-000015-20120503	NC065SG-000013-20120503	NC066SG-000015-20120503	NC067SG-000015-20120503	NC1067SG-000015-20120503
Sample Date		5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/3/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		16.5	21.3	8.2	12.3	21.9	21.9
Sample Type		N	N	N	N	N	FD
Matrix		SE	SE	SE	SE	SE	SE
Fluoranthene	SW8270CMSIM	5750	5880	4910	14100 J	33800	10600
Fluorene	SW8270CMSIM	254	264	218	486	680	463
Indeno(1,2,3-c,d)pyrene	SW8270CMSIM	2700	2700	2000	4440	6410	3700
Naphthalene	SW8270CMSIM	924	1090	330	3300	1820	2100
Perylene	SW8270CMSIM	1010	996	684	1700	2760	1380
Phenanthrene	SW8270CMSIM	1930	1970	1920	3040	3690	2710
Pyrene	SW8270CMSIM	6400	7060	4840	18400 J	31800	13200
Retene	SW8270CMSIM	58.9 U	54.8 U	62.8 U	110 U	133 U	85.6 U
Total benzofluoranthenes (U = 0)	--	6670	6800	4830	11190	20050	9330
Total benzofluoranthenes (U = 1/2)	--	6670	6800	4830	11190	20050	9330
Total cPAH TEQ (USEPA 1993) (U = 0)	--	5229	5373.77	3648.67	10224.21	16342.4	7800.46
Total cPAH TEQ (USEPA 1993) (U = 1/2)	--	5229	5373.77	3648.67	10224.21	16342.4	7800.46
Total HPAH (9 of 16) (U = 0)	--	34466	35588	26020	77240 J	143450	58340
Total HPAH (9 of 16) (U = 1/2)	--	34466	35588	26020	77240 J	143450	58340
Total LPAH (7 of 16) (U = 0)	--	5375	5750	3866	14736	15960	10023
Total LPAH (7 of 16) (U = 1/2)	--	5375	5750	3866	14736	15960	10023
Total PAH (16) (U = 0)	--	39841	41338	29886	91976 J	159410	68363
Total PAH (16) (U = 1/2)	--	39841	41338	29886	91976 J	159410	68363
Alkylated Polycyclic Aromatic Hydrocarbons (µg/kg)							
C1-Benzo(a)anthracenes/chrysenes	SW8270CMSIM	3280	3640	1810	10300	16100	7220
C1-Benzo(b)thiophenes	SW8270CMSIM	68.4	105	67.2	288	268	205
C1-Decalins	SW8270CMSIM	585	781	222	5860	5260	2840
C1-Dibenzothiophenes	SW8270CMSIM	614	646	228	5030	6230	2660
C1-Fluoranthenes/Pyrenes	SW8270CMSIM	4900	5630	2620	18700	31100	12300
C1-Fluorenes	SW8270CMSIM	307	338	183	2340	2980	1460
C1-Naphthalenes	SW8270CMSIM	465	548	229	1670	1110	1040
C1-Phenanthrenes/Anthracenes	SW8270CMSIM	1870	1980	1160	10500	17400	6470
C2-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	3430	3920	1910	10800	14600	7540
C2-Benzo(b)thiophenes	SW8270CMSIM	90.5	113	49.6 J	525	614	278
C2-Decalins	SW8270CMSIM	1780	2410	625	11300	11000	7410
C2-Dibenzothiophenes	SW8270CMSIM	1840	2020	638	14400	19200	8960
C2-Fluorenes	SW8270CMSIM	1310	1320	573	12900	20400	7650
C2-Naphthalenes	SW8270CMSIM	634	712	317	3920	2660	1760

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2150	Spring Surface Sediment 2151	Spring Surface Sediment 2152	Spring Surface Sediment 2153	Spring Surface Sediment 2154	Spring Surface Sediment 2155
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		2.22	2.22	2.22	2.31	2.32	2.32
Location ID		NC063SG_20120503	NC064SG_20120503	NC065SG_20120503	NC066SG_20120503	NC067SG_20120503	NC067SG_20120503
Sample ID		NC063SG-000015-20120503	NC064SG-000015-20120503	NC065SG-000013-20120503	NC066SG-000015-20120503	NC067SG-000015-20120503	NC1067SG-000015-20120503
Sample Date		5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/3/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		16.5	21.3	8.2	12.3	21.9	21.9
Sample Type		N	N	N	N	N	FD
Matrix		SE	SE	SE	SE	SE	SE
C2-Phenanthrenes/Anthracenes	SW8270CMSIM	3320	3550	1760	27600	43700	16500
C3-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	2950	3370	2040	8770	13300	6190
C3-Benzo(b)thiophenes	SW8270CMSIM	227	290	109	1540	1550	827
C3-Decalins	SW8270CMSIM	1990	2500	629	9440	9130	6450
C3-Dibenzothiophenes	SW8270CMSIM	2420	3000	890	12800	20600	8520
C3-Fluorenes	SW8270CMSIM	2580	3080	1140	16100	26400	10300
C3-Naphthalenes	SW8270CMSIM	916	875	433	14800	9770	4800
C3-Phenanthrenes/Anthracenes	SW8270CMSIM	3660	4330	1520	21200	32600	13600
C4-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	1550	1720	1240	4120	7460	3100
C4-Benzo(b)thiophenes	SW8270CMSIM	299	348	182 J	2070	2650	1200
C4-Decalins	SW8270CMSIM	3700	4440	1140	16200	16700	10800
C4-Dibenzothiophenes	SW8270CMSIM	1590	1970	728	6420	9650	4390
C4-Naphthalenes	SW8270CMSIM	1690	1730	636	19800	24400	9560
C4-Phenanthrenes/Anthracenes	SW8270CMSIM	2190	2560	1070	9410	14900	6500
n-Alkanes and Isoprenoids (µg/kg)							
2,6,10-Trimethyldodecane	SW8015M	773 J	818 J	4190 U	10000	4150 J	4650 J
2,6,10-Trimethyltridecane	SW8015M	4360 J	4920 J	1750 J	28400 J	18900 J	15000 J
n-Decane (C10)	SW8015M	3920 U	3650 U	4190 U	7310 U	8840 U	5700 U
n-Docosane (C22)	SW8015M	3920 U	3650 U	954 J	7310 U	8840 U	5700 U
n-Dodecane (C12)	SW8015M	3920 U	3650 U	4190 U	2790 J	2070 J	1810 J
n-Dotriacontane (C32)	SW8015M	1690 J	2010 J	2880 J	7310 U	8840 U	2880 J
n-Eicosane (C20)	SW8015M	1920 J	3650 U	1570 J	4090 J	11600	5700 U
n-Heneicosane (C21)	SW8015M	1290 J	1360 J	1400 J	3110 J	4450 J	2840 J
n-Hentriacontane (C31)	SW8015M	12600	12600	13900	20200	22500	17700
n-Heptacosane (C27)	SW8015M	2690 J	2710 J	6370	4760 J	5000 J	5070 J
n-Heptadecane (C17)	SW8015M	3920 U	3650 U	4190 U	5470 J	9520	3530 J
n-Heptatriacontane (C37)	SW8015M	2100 J	1680 J	1870 J	7310 U	8840 U	5700 U
n-Hexacosane (C26)	SW8015M	1220 J	1500 J	3260 J	7310 U	8840 U	5490 J
n-Hexadecane (C16)	SW8015M	942 J	934 J	1060 J	3310 J	6390 J	5700 U
n-Hexatriacontane (C36)	SW8015M	3120 J	2590 J	3980 J	7310 U	8840 U	5590 J
n-Nonacosane (C29)	SW8015M	3220 J	3010 J	10500	7310 U	8840 U	5700 U
n-Nonadecane (C19)	SW8015M	3920 U	1020 J	4190 U	7310 U	8840 U	5700 U
n-Nonane (C9)	SW8015M	3920 U	3650 U	4190 U	7310 U	8840 U	5700 U

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2150	Spring Surface Sediment 2151	Spring Surface Sediment 2152	Spring Surface Sediment 2153	Spring Surface Sediment 2154	Spring Surface Sediment 2155
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		2.22	2.22	2.22	2.31	2.32	2.32
Location ID		NC063SG_20120503	NC064SG_20120503	NC065SG_20120503	NC066SG_20120503	NC067SG_20120503	NC067SG_20120503
Sample ID		NC063SG-000015-20120503	NC064SG-000015-20120503	NC065SG-000013-20120503	NC066SG-000015-20120503	NC067SG-000015-20120503	NC1067SG-000015-20120503
Sample Date		5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/3/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		16.5	21.3	8.2	12.3	21.9	21.9
Sample Type		N	N	N	N	N	FD
Matrix		SE	SE	SE	SE	SE	SE
n-Nonatriacontane (C39)	SW8015M	3920 U	1420 J	1960 J	7310 U	8840 U	5700 U
n-Octacosane (C28)	SW8015M	2470 J	1700 J	1570 J	4510 J	8840 U	3830 J
n-Octadecane (C18)	SW8015M	2540 J	3150 J	2650 J	3420 J	6950 J	6310 J
n-Octatriacontane (C38)	SW8015M	1840 J	2310 J	2350 J	2310 J	2700 J	3030 J
Norpristane	SW8015M	2080 J	2160 J	4190 U	20800	11400	8640
n-Pentacosane (C25)	SW8015M	7180 J	6430 J	7250 J	21100 J	26300 J	16500 J
n-Pentadecane (C15)	SW8015M	1430 J	1610 J	728 J	8300	6810 J	4810 J
n-Pentatriacontane (C35)	SW8015M	2860 J	2770 J	3060 J	4650 J	5140 J	4110 J
n-Tetracontane (C40)	SW8015M	1740 J	1910 J	1740 J	7310 U	8840 U	2150 J
n-Tetracosane (C24)	SW8015M	3920 U	3650 U	1010 J	7310 U	8840 U	1820 J
n-Tetradecane (C14)	SW8015M	1080 J	1350 J	4190 U	6640 J	4080 J	3560 J
n-Tetratriacontane (C34)	SW8015M	1820 J	2350 J	2810 J	7310 U	8840 U	3180 J
n-Triacontane (C30)	SW8015M	2750 J	2570 J	3280 J	4630 J	4610 J	3660 J
n-Tricosane (C23)	SW8015M	1550 J	1850 J	1100 J	4600 J	6280 J	3430 J
n-Tridecane (C13)	SW8015M	3920 U	3650 U	4190 U	4240 J	2650 J	2460 J
n-Tritriacontane (C33)	SW8015M	4180	3360 J	6010	7310 U	3930 J	5190 J
n-Undecane (C11)	SW8015M	3920 U	3650 U	4190 U	3170 J	8840 U	2240 J
Pesticides (µg/kg)							
2,4'-DDD (o,p'-DDD)	SW8081A	3.4	6.5	2 J	0.28 UJ	9.9 J	16 J
2,4'-DDE (o,p'-DDE)	SW8081A	4.4 J	4.6	2.6	14	7.7	8
2,4'-DDT (o,p'-DDT)	SW8081A	0.29 U	0.27 U	0.039 J	0.28 U	0.33 UJ	0.33 UJ
4,4'-DDD (p,p'-DDD)	SW8081A	-- R	21	10	38	32	47
4,4'-DDE (p,p'-DDE)	SW8081A	9.9 J	15 J	5.2 J	37 J	24 J	25 J
4,4'-DDT (p,p'-DDT)	SW8081A	1.7 J	8.2 J	4 J	4.5 J	5.4 J	8.5 J
Aldrin	SW8081A	0.29 U	0.27 U	0.2 U	0.34 J	0.33 U	0.33 U
alpha-Hexachlorocyclohexane (BHC)	SW8081A	-- R	0.064 J	0.14 J	0.56 J	0.076 J	0.33 U
Chlordane, alpha- (cis-Chlordane)	SW8081A	13	18	8.5	-- R	27	0.33 U
Chlordane, beta- (trans-Chlordane)	SW8081A	0.29 U	0.27 U	0.2 U	42 J	0.33 U	0.33 U
delta-Hexachlorocyclohexane (BHC)	SW8081A	0.39	0.36 J	0.2 J	0.44 J	0.33 U	0.33 U
Dieldrin	SW8081A	1.6 J	5	2 J	18	10	15
Endosulfan sulfate	SW8081A	0.54 J	0.91 J	0.26 J	1.7 J	0.8 J	1.9 J
Endosulfan-alpha (I)	SW8081A	0.29 U	0.27 U	0.2 U	0.28 U	0.33 U	0.33 U
Endosulfan-beta (II)	SW8081A	-- R	0.27 U	0.2 U	-- R	0.33 U	0.33 U

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2150	Spring Surface Sediment 2151	Spring Surface Sediment 2152	Spring Surface Sediment 2153	Spring Surface Sediment 2154	Spring Surface Sediment 2155
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	2.22	2.22	2.22	2.31	2.32	2.32
		Location ID	NC063SG_20120503	NC064SG_20120503	NC065SG_20120503	NC066SG_20120503	NC067SG_20120503	NC067SG_20120503
		Sample ID	NC063SG-000015-20120503	NC064SG-000015-20120503	NC065SG-000013-20120503	NC066SG-000015-20120503	NC067SG-000015-20120503	NC1067SG-000015-20120503
		Sample Date	5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/3/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	16.5	21.3	8.2	12.3	21.9	21.9
		Sample Type	N	N	N	N	N	FD
		Matrix	SE	SE	SE	SE	SE	SE
Endrin	SW8081A		0.57 J	1.4	0.58 J	1.8 J	1.2	1.6 J
Endrin aldehyde	SW8081A		0.13 J	0.2 J	0.27 J	1.5 J	0.33 UJ	0.33 UJ
Endrin ketone	SW8081A		0.33 J	0.76 J	0.32 J	3.2 J	0.68 J	3.4 J
Heptachlor	SW8081A		0.29 U	0.27 U	0.2 U	-- R	0.33 U	0.33 U
Heptachlor epoxide	SW8081A		2.4 J	0.61 J	0.8 J	3.3 J	1.7 J	2.6 J
Hexachlorobenzene	SW8081A		0.96	1.6	1.4	5.9	3.3	3.5
Hexachlorocyclohexane, beta- (BHC)	SW8081A		0.16 J	0.27 U	0.55	0.28 UJ	0.33 U	0.11 J
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	SW8081A		0.29 U	0.27 U	0.2 U	0.28 UJ	0.33 U	0.33 U
Methoxychlor	SW8081A		0.59 UJ	0.9 J	0.41 UJ	0.57 UJ	0.65 UJ	0.66 UJ
Mirex	SW8081A		0.22 J	0.27 U	0.2 U	1.4 U	0.33 U	0.4
Nonachlor, cis-	SW8081A		1.3 J	2	0.79 J	4.9 J	2.6 J	4.5 J
Nonachlor, trans-	SW8081A		1.8 J	1.2 J	0.99 J	3.3 J	2.5 J	3.1 J
Oxychlordane	SW8081A		0.29 U	0.27 U	1 U	0.28 U	1.5 U	0.33 U
Sum DDD (U = 0)	--		3.4	27.5	12 J	38 J	41.9 J	63 J
Sum DDD (U = 1/2)	--		3.4	27.5	12 J	38.14 J	41.9 J	63 J
Sum DDE (U = 0)	--		14.3 J	19.6 J	7.8 J	51 J	31.7 J	33 J
Sum DDE (U = 1/2)	--		14.3 J	19.6 J	7.8 J	51 J	31.7 J	33 J
Sum DDT (U = 0)	--		1.7 J	8.2 J	4.039 J	4.5 J	5.4 J	8.5 J
Sum DDT (U = 1/2)	--		1.85 J	8.33 J	4.039 J	4.64 J	5.57 J	8.66 J
Total chlordane (U = 0)	--		16.1 J	21.2 J	10.28 J	50.2 J	32.1 J	7.6 J
Total chlordane (U = 1/2)	--		16.39 J	21.47 J	10.88 J	50.34 J	33.02 J	8.09 J
Total DDx (U = 0)	--		19.4 J	55.3 J	23.839 J	93.5 J	79 J	104.5 J
Total DDx (U = 1/2)	--		19.55 J	55.44 J	23.839 J	93.78 J	79.17 J	104.67 J
Toxaphene	SW8081A		-- R	11 U	8.1 U	11 U	13 U	13 U
Pesticides - High Resolution (µg/kg)								
2,4'-DDD (o,p'-DDD)	E1699		--	29	--	--	--	--
2,4'-DDE (o,p'-DDE)	E1699		--	4.5	--	--	--	--
2,4'-DDT (o,p'-DDT)	E1699		--	0.55 U	--	--	--	--
4,4'-DDD (p,p'-DDD)	E1699		--	64	--	--	--	--
4,4'-DDE (p,p'-DDE)	E1699		--	64	--	--	--	--
4,4'-DDT (p,p'-DDT)	E1699		--	6.7	--	--	--	--
Aldrin	E1699		--	0.17 U	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2150	Spring Surface Sediment 2151	Spring Surface Sediment 2152	Spring Surface Sediment 2153	Spring Surface Sediment 2154	Spring Surface Sediment 2155
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	2.22	2.22	2.22	2.31	2.32	2.32
		Location ID	NC063SG_20120503	NC064SG_20120503	NC065SG_20120503	NC066SG_20120503	NC067SG_20120503	NC067SG_20120503
		Sample ID	NC063SG-000015-20120503	NC064SG-000015-20120503	NC065SG-000013-20120503	NC066SG-000015-20120503	NC067SG-000015-20120503	NC1067SG-000015-20120503
		Sample Date	5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/3/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	16.5	21.3	8.2	12.3	21.9	21.9
		Sample Type	N	N	N	N	N	FD
		Matrix	SE	SE	SE	SE	SE	SE
alpha-Hexachlorocyclohexane (BHC)	E1699	--	0.27 U	--	--	--	--	--
Chlordane, alpha- (cis-Chlordane)	E1699	--	49	--	--	--	--	--
Chlordane, beta- (trans-Chlordane)	E1699	--	57	--	--	--	--	--
delta-Hexachlorocyclohexane (BHC)	E1699	--	0.39 U	--	--	--	--	--
Dieldrin	E1699	--	16	--	--	--	--	--
Endosulfan sulfate	E1699	--	0.12 U	--	--	--	--	--
Endosulfan-alpha (I)	E1699	--	0.63 U	--	--	--	--	--
Endosulfan-beta (II)	E1699	--	0.33 U	--	--	--	--	--
Endrin	E1699	--	0.31 U	--	--	--	--	--
Endrin aldehyde	E1699	--	0.44 U	--	--	--	--	--
Endrin ketone	E1699	--	0.41 U	--	--	--	--	--
Heptachlor	E1699	--	0.11 U	--	--	--	--	--
Heptachlor epoxide	E1699	--	0.51 J	--	--	--	--	--
Hexachlorobenzene	E1699	--	7.9	--	--	--	--	--
Hexachlorocyclohexane, beta- (BHC)	E1699	--	0.31 U	--	--	--	--	--
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	E1699	--	0.33 U	--	--	--	--	--
Methoxychlor	E1699	--	0.52 U	--	--	--	--	--
Mirex	E1699	--	0.8 J	--	--	--	--	--
Nonachlor, cis-	E1699	--	9.8	--	--	--	--	--
Nonachlor, trans-	E1699	--	27	--	--	--	--	--
Oxychlordane	E1699	--	0.2 U	--	--	--	--	--
Sum DDD high resolution (U = 0)	--	--	93	--	--	--	--	--
Sum DDD high resolution (U = 1/2)	--	--	93	--	--	--	--	--
Sum DDE high resolution (U = 0)	--	--	68.5	--	--	--	--	--
Sum DDE high resolution (U = 1/2)	--	--	68.5	--	--	--	--	--
Sum DDT high resolution (U = 0)	--	--	6.7	--	--	--	--	--
Sum DDT high resolution (U = 1/2)	--	--	6.98	--	--	--	--	--
Total chlordane high resolution (U = 0)	--	--	142.8	--	--	--	--	--
Total chlordane high resolution (U = 1/2)	--	--	142.9	--	--	--	--	--
Total DDx high resolution (U = 0)	--	--	168.2	--	--	--	--	--
Total DDx high resolution (U = 1/2)	--	--	168.47	--	--	--	--	--
Toxaphene	E1699	--	8.5 U	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2150	Spring Surface Sediment 2151	Spring Surface Sediment 2152	Spring Surface Sediment 2153	Spring Surface Sediment 2154	Spring Surface Sediment 2155
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		2.22	2.22	2.22	2.31	2.32	2.32
Location ID		NC063SG_20120503	NC064SG_20120503	NC065SG_20120503	NC066SG_20120503	NC067SG_20120503	NC067SG_20120503
Sample ID		NC063SG-000015-20120503	NC064SG-000015-20120503	NC065SG-000013-20120503	NC066SG-000015-20120503	NC067SG-000015-20120503	NC1067SG-000015-20120503
Sample Date		5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/3/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		16.5	21.3	8.2	12.3	21.9	21.9
Sample Type		N	N	N	N	N	FD
Matrix		SE	SE	SE	SE	SE	SE
Herbicides (µg/kg)							
2,2-Dichloropropionic acid (dalapon)	SW8151A	320 U	300 U	220 U	310 UJ	350 U	360 U
2,4,5-T (2,4,5-trichlorophenoxyacetic acid)	SW8151A	70 U	23 J	49 U	69 U	78 U	79 U
2,4,5-TP (Silvex)	SW8151A	70 U	66 U	49 U	69 U	78 U	79 U
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	280 UJ	260 UJ	190 UJ	280 UJ	310 UJ	320 UJ
2,4-DB (2,4-D derivative)	SW8151A	280 UJ	260 UJ	120 J	280 U	310 U	320 U
Dicamba	SW8151A	140 U	40 J	13 J	140 U	160 U	160 U
Dichlorprop	SW8151A	35 J	68 J	110 J	280 U	310 U	51 J
Dinoseb	SW8151A	42 UJ	39 UJ	29 UJ	41 UJ	47 UJ	47 UJ
Mecoprop (MCP)	SW8151A	28000 U	26000 U	19000 U	28000 U	31000 U	32000 U
Mephanac (MCPA)	SW8151A	28000 U	7200 J	9300 J	28000 UJ	31000 U	32000 U
Dioxin Furans (ng/kg)							
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	--	11.1	--	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	--	25.1 J	--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	35.8	--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	94.6	--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	73.5	--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B	--	1620	--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B	--	13800 J	--	--	--	--
Total tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	--	260 J	--	--	--	--
Total pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	--	283 J	--	--	--	--
Total hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	919 J	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2150	Spring Surface Sediment 2151	Spring Surface Sediment 2152	Spring Surface Sediment 2153	Spring Surface Sediment 2154	Spring Surface Sediment 2155
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	2.22	2.22	2.22	2.31	2.32	2.32
		Location ID	NC063SG_20120503	NC064SG_20120503	NC065SG_20120503	NC066SG_20120503	NC067SG_20120503	NC067SG_20120503
		Sample ID	NC063SG-000015-20120503	NC064SG-000015-20120503	NC065SG-000013-20120503	NC066SG-000015-20120503	NC067SG-000015-20120503	NC1067SG-000015-20120503
		Sample Date	5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/3/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	16.5	21.3	8.2	12.3	21.9	21.9
		Sample Type	N	N	N	N	N	FD
		Matrix	SE	SE	SE	SE	SE	SE
Total heptachlorodibenzo-p-dioxin (HpCDD)	E1613B		--	3470	--	--	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B		--	49.7	--	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B		--	156	--	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B		--	103	--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B		--	516	--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B		--	267	--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B		--	30.5	--	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B		--	114	--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B		--	2900	--	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B		--	72.6	--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B		--	3000	--	--	--	--
Total tetrachlorodibenzofuran (TCDF)	E1613B		--	1550	--	--	--	--
Total pentachlorodibenzofuran (PeCDF)	E1613B		--	2120 J	--	--	--	--
Total hexachlorodibenzofuran (HxCDF)	E1613B		--	2900 J	--	--	--	--
Total heptachlorodibenzofuran (HpCDF)	E1613B		--	3650	--	--	--	--
Total dioxin/furan TEQ 1998 (avian) (U = 0)	--		--	340.4 J	--	--	--	--
Total dioxin/furan TEQ 1998 (avian) (U = 1/2)	--		--	340.4 J	--	--	--	--
Total dioxin/furan TEQ 1998 (fish) (U = 0)	--		--	243.3 J	--	--	--	--
Total dioxin/furan TEQ 1998 (fish) (U = 1/2)	--		--	243.3 J	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2150	Spring Surface Sediment 2151	Spring Surface Sediment 2152	Spring Surface Sediment 2153	Spring Surface Sediment 2154	Spring Surface Sediment 2155
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	2.22	2.22	2.22	2.31	2.32	2.32
		Location ID	NC063SG_20120503	NC064SG_20120503	NC065SG_20120503	NC066SG_20120503	NC067SG_20120503	NC067SG_20120503
		Sample ID	NC063SG-000015-20120503	NC064SG-000015-20120503	NC065SG-000013-20120503	NC066SG-000015-20120503	NC067SG-000015-20120503	NC1067SG-000015-20120503
		Sample Date	5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/3/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	16.5	21.3	8.2	12.3	21.9	21.9
		Sample Type	N	N	N	N	N	FD
		Matrix	SE	SE	SE	SE	SE	SE
Total dioxin/furan TEQ 2005 (mammal) (U = 0)	--	--	--	240.9 J	--	--	--	--
Total dioxin/furan TEQ 2005 (mammal) (U = 1/2)	--	--	--	240.9 J	--	--	--	--
PCB Aroclors (µg/kg)								
Aroclor 1016	SW8082A	29 U	27 U	10 U	1800	33 U	33 U	
Aroclor 1221	SW8082A	29 U	27 U	10 U	71 U	33 U	33 U	
Aroclor 1232	SW8082A	29 U	27 U	10 U	71 U	33 U	33 U	
Aroclor 1242	SW8082A	400	570	180	2500	1200	1100	
Aroclor 1248	SW8082A	29 U	27 U	10 U	71 U	33 U	33 U	
Aroclor 1254	SW8082A	1000	1200	490	3600	2300	2300	
Aroclor 1260	SW8082A	29 U	27 U	10 U	71 U	33 U	33 U	
Aroclor 1262	SW8082A	29 U	27 U	10 U	71 U	33 U	33 U	
Aroclor 1268	SW8082A	29 U	27 U	10 U	71 U	33 U	33 U	
Total PCB Aroclors (U = 0)	--	1400	1770	670	7900	3500	3400	
Total PCB Aroclors (U = 1/2)	--	1501.5	1864.5	705	8113	3615.5	3515.5	
PCB Congeners (ng/kg)								
PCB-001	E1668B	--	5020	--	--	--	--	
PCB-002	E1668B	--	1310	--	--	--	--	
PCB-003	E1668B	--	9900	--	--	--	--	
PCB-004	E1668B	--	7120	--	--	--	--	
PCB-005	E1668B	--	485	--	--	--	--	
PCB-006	E1668B	--	5270	--	--	--	--	
PCB-007	E1668B	--	1320	--	--	--	--	
PCB-008	E1668B	--	20500 J	--	--	--	--	
PCB-009	E1668B	--	1590	--	--	--	--	
PCB-010	E1668B	--	839	--	--	--	--	
PCB-011	E1668B	--	3050	--	--	--	--	
PCB-012/013	E1668B	--	5660	--	--	--	--	
PCB-014	E1668B	--	16.4 U	--	--	--	--	
PCB-015	E1668B	--	38200 J	--	--	--	--	
PCB-016	E1668B	--	15900 J	--	--	--	--	
PCB-017	E1668B	--	19500 J	--	--	--	--	

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2150	Spring Surface Sediment 2151	Spring Surface Sediment 2152	Spring Surface Sediment 2153	Spring Surface Sediment 2154	Spring Surface Sediment 2155
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	2.22	2.22	2.22	2.31	2.32	2.32
		Location ID	NC063SG_20120503	NC064SG_20120503	NC065SG_20120503	NC066SG_20120503	NC067SG_20120503	NC067SG_20120503
		Sample ID	NC063SG-000015-20120503	NC064SG-000015-20120503	NC065SG-000013-20120503	NC066SG-000015-20120503	NC067SG-000015-20120503	NC1067SG-000015-20120503
		Sample Date	5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/3/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	16.5	21.3	8.2	12.3	21.9	21.9
		Sample Type	N	N	N	N	N	FD
		Matrix	SE	SE	SE	SE	SE	SE
PCB-018/030	E1668B	--		34300 J	--	--	--	--
PCB-019	E1668B	--		3070	--	--	--	--
PCB-020/028	E1668B	--		94000 J	--	--	--	--
PCB-021/033	E1668B	--		30000 J	--	--	--	--
PCB-022	E1668B	--		28600 J	--	--	--	--
PCB-023	E1668B	--		6.87 U	--	--	--	--
PCB-024	E1668B	--		8.13 U	--	--	--	--
PCB-025	E1668B	--		8830	--	--	--	--
PCB-026/029	E1668B	--		14700	--	--	--	--
PCB-027	E1668B	--		3970	--	--	--	--
PCB-031	E1668B	--		84600 J	--	--	--	--
PCB-032	E1668B	--		14000 J	--	--	--	--
PCB-034	E1668B	--		455	--	--	--	--
PCB-035	E1668B	--		2110	--	--	--	--
PCB-036	E1668B	--		21.5 U	--	--	--	--
PCB-037	E1668B	--		30800 J	--	--	--	--
PCB-038	E1668B	--		23 U	--	--	--	--
PCB-039	E1668B	--		21.3 U	--	--	--	--
PCB-040/071	E1668B	--		30500 J	--	--	--	--
PCB-041	E1668B	--		9130	--	--	--	--
PCB-042	E1668B	--		21400 J	--	--	--	--
PCB-043	E1668B	--		2450	--	--	--	--
PCB-044/047/065	E1668B	--		74700 J	--	--	--	--
PCB-045	E1668B	--		--	--	--	--	--
PCB-045/051	E1668B	--		14100	--	--	--	--
PCB-046	E1668B	--		4510	--	--	--	--
PCB-048	E1668B	--		16900 J	--	--	--	--
PCB-049/069	E1668B	--		52300 J	--	--	--	--
PCB-050/053	E1668B	--		10200	--	--	--	--
PCB-051	E1668B	--		--	--	--	--	--
PCB-052	E1668B	--		98600 J	--	--	--	--
PCB-054	E1668B	--		187	--	--	--	--
PCB-055	E1668B	--		40.2 U	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2150	Spring Surface Sediment 2151	Spring Surface Sediment 2152	Spring Surface Sediment 2153	Spring Surface Sediment 2154	Spring Surface Sediment 2155
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	2.22	2.22	2.22	2.31	2.32	2.32
		Location ID	NC063SG_20120503	NC064SG_20120503	NC065SG_20120503	NC066SG_20120503	NC067SG_20120503	NC067SG_20120503
		Sample ID	NC063SG-000015-20120503	NC064SG-000015-20120503	NC065SG-000013-20120503	NC066SG-000015-20120503	NC067SG-000015-20120503	NC1067SG-000015-20120503
		Sample Date	5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/3/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	16.5	21.3	8.2	12.3	21.9	21.9
		Sample Type	N	N	N	N	N	FD
		Matrix	SE	SE	SE	SE	SE	SE
PCB-056	E1668B	--		35500 J	--	--	--	--
PCB-057	E1668B	--		42 U	--	--	--	--
PCB-058	E1668B	--		41.3 U	--	--	--	--
PCB-059/062/075	E1668B	--		6020	--	--	--	--
PCB-060	E1668B	--		19900 J	--	--	--	--
PCB-061/070/074/076	E1668B	--		134000 J	--	--	--	--
PCB-063	E1668B	--		2990	--	--	--	--
PCB-064	E1668B	--		31900 J	--	--	--	--
PCB-066	E1668B	--		74900 J	--	--	--	--
PCB-067	E1668B	--		2690	--	--	--	--
PCB-068	E1668B	--		362	--	--	--	--
PCB-072	E1668B	--		623	--	--	--	--
PCB-073	E1668B	--		6.7 U	--	--	--	--
PCB-077	E1668B	--		8760	--	--	--	--
PCB-078	E1668B	--		42.4 U	--	--	--	--
PCB-079	E1668B	--		37.7 U	--	--	--	--
PCB-080	E1668B	--		38.3 U	--	--	--	--
PCB-081	E1668B	--		332	--	--	--	--
PCB-082	E1668B	--		14000 J	--	--	--	--
PCB-083	E1668B	--		5460	--	--	--	--
PCB-084	E1668B	--		23000 J	--	--	--	--
PCB-085/116	E1668B	--		--	--	--	--	--
PCB-085/116/117	E1668B	--		18500	--	--	--	--
PCB-086/087/097/108/119/125	E1668B	--		77000 J	--	--	--	--
PCB-088	E1668B	--		--	--	--	--	--
PCB-088/091	E1668B	--		14500	--	--	--	--
PCB-089	E1668B	--		14 U	--	--	--	--
PCB-090/101/113	E1668B	--		114000 J	--	--	--	--
PCB-091	E1668B	--		--	--	--	--	--
PCB-092	E1668B	--		17500 J	--	--	--	--
PCB-093/100	E1668B	--		13.5 U	--	--	--	--
PCB-094	E1668B	--		496	--	--	--	--
PCB-095	E1668B	--		65700 J	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2150	Spring Surface Sediment 2151	Spring Surface Sediment 2152	Spring Surface Sediment 2153	Spring Surface Sediment 2154	Spring Surface Sediment 2155
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	2.22	2.22	2.22	2.31	2.32	2.32
		Location ID	NC063SG_20120503	NC064SG_20120503	NC065SG_20120503	NC066SG_20120503	NC067SG_20120503	NC067SG_20120503
		Sample ID	NC063SG-000015-20120503	NC064SG-000015-20120503	NC065SG-000013-20120503	NC066SG-000015-20120503	NC067SG-000015-20120503	NC1067SG-000015-20120503
		Sample Date	5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/3/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	16.5	21.3	8.2	12.3	21.9	21.9
		Sample Type	N	N	N	N	N	FD
		Matrix	SE	SE	SE	SE	SE	SE
PCB-096	E1668B	--		855	--	--	--	--
PCB-098	E1668B	--		--	--	--	--	--
PCB-098/102	E1668B	--		3420	--	--	--	--
PCB-099	E1668B	--		58100 J	--	--	--	--
PCB-102	E1668B	--		--	--	--	--	--
PCB-103	E1668B	--		822	--	--	--	--
PCB-104	E1668B	--		37.5	--	--	--	--
PCB-105	E1668B	--		42400 J	--	--	--	--
PCB-106	E1668B	--		37.1 U	--	--	--	--
PCB-107/124	E1668B	--		4130	--	--	--	--
PCB-109	E1668B	--		6810	--	--	--	--
PCB-110	E1668B	--		--	--	--	--	--
PCB-110/115	E1668B	--		123000 J	--	--	--	--
PCB-111	E1668B	--		9.09 U	--	--	--	--
PCB-112	E1668B	--		8.36 U	--	--	--	--
PCB-114	E1668B	--		2640	--	--	--	--
PCB-115	E1668B	--		--	--	--	--	--
PCB-117	E1668B	--		--	--	--	--	--
PCB-118	E1668B	--		102000 J	--	--	--	--
PCB-120	E1668B	--		173	--	--	--	--
PCB-121	E1668B	--		9.48 U	--	--	--	--
PCB-122	E1668B	--		1220 J	--	--	--	--
PCB-123	E1668B	--		2390	--	--	--	--
PCB-126	E1668B	--		1180	--	--	--	--
PCB-127	E1668B	--		336	--	--	--	--
PCB-128/166	E1668B	--		20800	--	--	--	--
PCB-129/138/163	E1668B	--		139000 J	--	--	--	--
PCB-130	E1668B	--		8010	--	--	--	--
PCB-131	E1668B	--		1970	--	--	--	--
PCB-132	E1668B	--		42200 J	--	--	--	--
PCB-133	E1668B	--		1850	--	--	--	--
PCB-134	E1668B	--		6040	--	--	--	--
PCB-135/151	E1668B	--		40500 J	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2150	Spring Surface Sediment 2151	Spring Surface Sediment 2152	Spring Surface Sediment 2153	Spring Surface Sediment 2154	Spring Surface Sediment 2155
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	2.22	2.22	2.22	2.31	2.32	2.32
		Location ID	NC063SG_20120503	NC064SG_20120503	NC065SG_20120503	NC066SG_20120503	NC067SG_20120503	NC067SG_20120503
		Sample ID	NC063SG-000015-20120503	NC064SG-000015-20120503	NC065SG-000013-20120503	NC066SG-000015-20120503	NC067SG-000015-20120503	NC1067SG-000015-20120503
		Sample Date	5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/3/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	16.5	21.3	8.2	12.3	21.9	21.9
		Sample Type	N	N	N	N	N	FD
		Matrix	SE	SE	SE	SE	SE	SE
PCB-136	E1668B	--	15500 J	--	--	--	--	--
PCB-137	E1668B	--	6590 J	--	--	--	--	--
PCB-139/140	E1668B	--	2170	--	--	--	--	--
PCB-141	E1668B	--	26400 J	--	--	--	--	--
PCB-142	E1668B	--	31.7 U	--	--	--	--	--
PCB-143	E1668B	--	28.7 U	--	--	--	--	--
PCB-144	E1668B	--	6210	--	--	--	--	--
PCB-145	E1668B	--	42.8 J	--	--	--	--	--
PCB-146	E1668B	--	19600 J	--	--	--	--	--
PCB-147/149	E1668B	--	108000 J	--	--	--	--	--
PCB-148	E1668B	--	5.52 U	--	--	--	--	--
PCB-150	E1668B	--	280	--	--	--	--	--
PCB-152	E1668B	--	117 J	--	--	--	--	--
PCB-153/168	E1668B	--	114000 J	--	--	--	--	--
PCB-154	E1668B	--	1870	--	--	--	--	--
PCB-155	E1668B	--	34.3	--	--	--	--	--
PCB-156/157	E1668B	--	16400	--	--	--	--	--
PCB-158	E1668B	--	14500 J	--	--	--	--	--
PCB-159	E1668B	--	17.9 U	--	--	--	--	--
PCB-160	E1668B	--	25.1 U	--	--	--	--	--
PCB-161	E1668B	--	21.6 U	--	--	--	--	--
PCB-162	E1668B	--	16.6 U	--	--	--	--	--
PCB-164	E1668B	--	8550	--	--	--	--	--
PCB-165	E1668B	--	25.1 U	--	--	--	--	--
PCB-167	E1668B	--	5530	--	--	--	--	--
PCB-169	E1668B	--	198 J	--	--	--	--	--
PCB-170	E1668B	--	27700 J	--	--	--	--	--
PCB-171/173	E1668B	--	8770	--	--	--	--	--
PCB-172	E1668B	--	4500	--	--	--	--	--
PCB-174	E1668B	--	30100 J	--	--	--	--	--
PCB-175	E1668B	--	1220	--	--	--	--	--
PCB-176	E1668B	--	3680	--	--	--	--	--
PCB-177	E1668B	--	16300 J	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2150	Spring Surface Sediment 2151	Spring Surface Sediment 2152	Spring Surface Sediment 2153	Spring Surface Sediment 2154	Spring Surface Sediment 2155
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	2.22	2.22	2.22	2.31	2.32	2.32
		Location ID	NC063SG_20120503	NC064SG_20120503	NC065SG_20120503	NC066SG_20120503	NC067SG_20120503	NC067SG_20120503
		Sample ID	NC063SG-000015-20120503	NC064SG-000015-20120503	NC065SG-000013-20120503	NC066SG-000015-20120503	NC067SG-000015-20120503	NC1067SG-000015-20120503
		Sample Date	5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/3/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	16.5	21.3	8.2	12.3	21.9	21.9
		Sample Type	N	N	N	N	N	FD
		Matrix	SE	SE	SE	SE	SE	SE
PCB-178	E1668B	--		5870	--	--	--	--
PCB-179	E1668B	--		12300	--	--	--	--
PCB-180/193	E1668B	--		63200 J	--	--	--	--
PCB-181	E1668B	--		210	--	--	--	--
PCB-182	E1668B	--		7.43 U	--	--	--	--
PCB-183	E1668B	--		--	--	--	--	--
PCB-183/185	E1668B	--		19100	--	--	--	--
PCB-184	E1668B	--		38.7	--	--	--	--
PCB-185	E1668B	--		--	--	--	--	--
PCB-186	E1668B	--		9.36 J	--	--	--	--
PCB-187	E1668B	--		37100 J	--	--	--	--
PCB-188	E1668B	--		75.9	--	--	--	--
PCB-189	E1668B	--		1210 J	--	--	--	--
PCB-190	E1668B	--		5610	--	--	--	--
PCB-191	E1668B	--		1150	--	--	--	--
PCB-192	E1668B	--		8.16 U	--	--	--	--
PCB-194	E1668B	--		16600 J	--	--	--	--
PCB-195	E1668B	--		6570	--	--	--	--
PCB-196	E1668B	--		8310	--	--	--	--
PCB-197	E1668B	--		--	--	--	--	--
PCB-197/200	E1668B	--		2570	--	--	--	--
PCB-198/199	E1668B	--		18700	--	--	--	--
PCB-200	E1668B	--		--	--	--	--	--
PCB-201	E1668B	--		2240	--	--	--	--
PCB-202	E1668B	--		3730	--	--	--	--
PCB-203	E1668B	--		12100	--	--	--	--
PCB-204	E1668B	--		5.23	--	--	--	--
PCB-205	E1668B	--		804	--	--	--	--
PCB-206	E1668B	--		9950	--	--	--	--
PCB-207	E1668B	--		1040	--	--	--	--
PCB-208	E1668B	--		3100	--	--	--	--
PCB-209	E1668B	--		6920	--	--	--	--
Total PCB congener (U = 0)	--	--		2774867.79 J	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2150	Spring Surface Sediment 2151	Spring Surface Sediment 2152	Spring Surface Sediment 2153	Spring Surface Sediment 2154	Spring Surface Sediment 2155
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		2.22	2.22	2.22	2.31	2.32	2.32
Location ID		NC063SG_20120503	NC064SG_20120503	NC065SG_20120503	NC066SG_20120503	NC067SG_20120503	NC067SG_20120503
Sample ID		NC063SG-000015-20120503	NC064SG-000015-20120503	NC065SG-000013-20120503	NC066SG-000015-20120503	NC067SG-000015-20120503	NC1067SG-000015-20120503
Sample Date		5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/3/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		16.5	21.3	8.2	12.3	21.9	21.9
Sample Type		N	N	N	N	N	FD
Matrix		SE	SE	SE	SE	SE	SE
Total PCB congener (U = 1/2)	--	--	2775180.36 J	--	--	--	--
Total PCB congener TEQ 1998 (avian) (U = 0)	--	--	596.6533 J	--	--	--	--
Total PCB congener TEQ 1998 (avian) (U = 1/2)	--	--	596.6533 J	--	--	--	--
Total PCB congener TEQ 1998 (fish) (U = 0)	--	--	7.81475 J	--	--	--	--
Total PCB congener TEQ 1998 (fish) (U = 1/2)	--	--	7.81475 J	--	--	--	--
Total PCB congener TEQ 2005 (mammal) (U = 0)	--	--	130.0927 J	--	--	--	--
Total PCB congener TEQ 2005 (mammal) (U = 1/2)	--	--	130.0927 J	--	--	--	--
Total Petroleum Hydrocarbons (mg/kg)							
Diesel range organics (C10 - C28)	SW8015M	5850	6420	3910	17400	21700	13000
Phytane	SW8015M	2.89 J	3.34 J	2.38 J	13.9	9.65	8.18
Pristane	SW8015M	4.32	4.5	2.41 J	27.2	15.8	12.8
Total petroleum hydrocarbons (C9-C40)	SW8015M	10800	11800	8700	27300	33300	21800
Radionuclides (pci/g)							
Beryllium 7	HASL300	--	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2156	Spring Surface Sediment 2157	Spring Surface Sediment 2158	Spring Surface Sediment 2159	Spring Surface Sediment 2160	Spring Surface Sediment 2161
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		2.32	2.43	2.43	2.43	2.44	2.56
Location ID		NC068SG_20120503	NC069SG_20120503	NC070SG_20120503	NC070SG_20120503	NC071SG_20120504	NC072SG_20120503
Sample ID		NC068SG-000011-20120503	NC069SG-000015-20120503	NC070SG-000003-20120503	NC070SG-000013-20120503	NC071SG-000015-20120504	NC072SG-000015-20120503
Sample Date		5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/4/2012	5/3/2012
Sample Depth		0 - 11 cm	0 - 15 cm	0 - 3 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		20.1	16.3	22.8	22.8	16.3	20.1
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Conventional Parameters (lb/ft³)							
Density	D7263	23.5	18	--	20.5	17.7	15.8
Conventional Parameters (mg/kg)							
Ammonia as nitrogen	SM4500NH3H	260	210	--	190	140	200
Cyanide, total	SW9012A	7.7	3.8 U	--	3.9	3.7 U	4.4 U
Nitrate + nitrite as nitrogen	SM4500NO3F	8.4 U	9.8 U	--	8.6 U	9.6	11 U
Nitrogen ((No Suggestions))	SM4500NORGC	5800	5100	--	3600	5500	6200
Phosphorus	SM4500PE	11000	5400	--	4600	4200	4700
Sulfide	SW9030B	20000	11000	--	18000	7200	10000
Conventional Parameters (pct)							
Moisture (water) content	D2216	--	301.9	--	--	310.4	--
Moisture, percent	D2216	--	77.6	--	--	77.2	--
Soot carbon	SOOTC	0.365 J	0.262 J	--	0.196 J	0.223 J	0.418 J
Total organic carbon	SW9060	10.5	6.855	--	8.805	6.315	8.815
Total solids	SM2540G	28.2	24.2	--	27.2	24.5	21.8
Conventional Parameters (SU)							
pH	SW9045C	7.8	7.8	--	7.8	7.8	7.8
Conventional Parameters (unitless)							
Liquid limit	D4318	--	143	--	--	161	--
Plastic limit	D4318	--	64	--	--	55	--
Plasticity index	D4318	--	79	--	--	106	--
Specific gravity	D854	--	2.36	--	--	2.41	--
Grain Size (pct)							
Cobbles	D422	0	0	--	0	0	0
Gravel	D422	1	0.6	--	0	0.3	0
Sand	D422	17.7	4.5	--	5.6	9.1	2.1
Fines (silt + clay)	D422	81.3	94.9	--	94.4	90.6	97.9
Percent passing 0.375 inch (3/8 inch sieve)	D422	100	--	--	--	100	--
Percent passing 0.5 inch (1/2 inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4 inch sieve)	D422	--	--	--	--	--	--
Percent passing 1 inch (1 inch sieve)	D422	--	--	--	--	--	--
Percent passing 75 micron sieve (#200)	D422	81	95	--	94	91	98
Percent passing 150 micron sieve (#100)	D422	85	97	--	98	95	99

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2156	Spring Surface Sediment 2157	Spring Surface Sediment 2158	Spring Surface Sediment 2159	Spring Surface Sediment 2160	Spring Surface Sediment 2161
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		2.32	2.43	2.43	2.43	2.44	2.56
Location ID		NC068SG_20120503	NC069SG_20120503	NC070SG_20120503	NC070SG_20120503	NC071SG_20120504	NC072SG_20120503
Sample ID		NC068SG-000011-20120503	NC069SG-000015-20120503	NC070SG-000003-20120503	NC070SG-000013-20120503	NC071SG-000015-20120504	NC072SG-000015-20120503
Sample Date		5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/4/2012	5/3/2012
Sample Depth		0 - 11 cm	0 - 15 cm	0 - 3 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		20.1	16.3	22.8	22.8	16.3	20.1
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Percent passing 250 micron sieve (#60)	D422	88	97	--	98	97	99
Percent passing 425 micron sieve (#40)	D422	90	98	--	98	99	100
Percent passing 850 micron sieve (#20)	D422	94	99	--	99	99	100
Percent passing 2000 micron sieve (#10)	D422	96	99	--	100	100	100
Percent passing 4750 micron sieve (#4)	D422	99	99	--	100	100	100
Metals (mg/kg)							
Aluminum	SW6020A	13900	14700	--	18800	14900	16100
Antimony	SW6020A	31 J	5.95 J	--	10.4 J	5.01 J	6.29 J
Arsenic	SW6020A	404	101	--	194	74.9	83.1
Barium	SW6020A	353	188	--	256	182	198
Beryllium	SW6020A	1.19	0.95	--	1.36	0.957	0.991
Cadmium	SW6020A	174	71	--	126	39.6	64.6
Calcium	SW6020A	22000	15000	--	20300	15100	16300
Chromium	SW6020A	1030	536	--	886	329	546
Cobalt	SW6020A	68.9	27	--	40.4	20.9	26.3
Copper	SW6020A	23200	6090	--	11300	4320	4310
Iron	SW6020A	43600	35100	--	40800	34200	38500
Lead	SW6020A	1430	956	--	1670	688	869
Magnesium	SW6020A	8840	12100	--	12000	13300	12600
Manganese	SW6020A	249	278	--	290	254	321
Mercury	E1631M	4.87	3.66	--	5.47	2.6	3.17
Nickel	SW6020A	3280	800	--	1350	532	790
Potassium	SW6020A	3240	3490	--	3540	3870	4000
Selenium	SW6020A	33.1	12	--	19.6	8.64	8.54
Silver	SW6020A	41.5	22.4	--	36	18.2	21.1
Sodium	SW6020A	21400 J	26300 J	--	23000 J	25500 J	18200 J
Thallium	SW6020A	0.687	0.635	--	0.778	0.573	0.711
Tin	SW6020A	139	81.1	--	124	71.5	78.8
Vanadium	SW6020A	114	99.8	--	154	72.2	94.2
Zinc	SW6020A	9380	4070	--	6700	2890	4370
Organometallic Compounds (µg/kg)							
Methyl mercury	E1630M	--	0.538	--	--	0.539	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2156	Spring Surface Sediment 2157	Spring Surface Sediment 2158	Spring Surface Sediment 2159	Spring Surface Sediment 2160	Spring Surface Sediment 2161
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		2.32	2.43	2.43	2.43	2.44	2.56
Location ID		NC068SG_20120503	NC069SG_20120503	NC070SG_20120503	NC070SG_20120503	NC071SG_20120504	NC072SG_20120503
Sample ID		NC068SG-000011-20120503	NC069SG-000015-20120503	NC070SG-000003-20120503	NC070SG-000013-20120503	NC071SG-000015-20120504	NC072SG-000015-20120503
Sample Date		5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/4/2012	5/3/2012
Sample Depth		0 - 11 cm	0 - 15 cm	0 - 3 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		20.1	16.3	22.8	22.8	16.3	20.1
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Volatile Organics (µg/kg)							
1,1,1-Trichloroethane	SW8260B	300 U	360 U	--	320 U	4 U	4.6 U
1,1,2,2-Tetrachloroethane	SW8260B	300 U	360 U	--	320 U	4 UJ	4.6 U
1,1,2-Trichloroethane	SW8260B	460 U	540 U	--	480 U	6 U	6.9 U
1,1,2-Trichlorotrifluoroethane	SW8260B	6100 U	7300 U	--	6400 U	80 UJ	92 U
1,1-Dichloroethane	SW8260B	460 U	540 U	--	480 U	6 U	6.9 U
1,1-Dichloroethene	SW8260B	300 U	360 U	--	320 U	4 U	4.6 U
1,2,3-Trichlorobenzene	SW8260B	1500 U	1800 U	--	1600 U	20 UJ	23 U
1,2,4-Trichlorobenzene	SW8260B	1500 U	1800 U	--	1600 U	20 UJ	23 U
1,2-Dibromo-3-chloropropane	SW8260B	1500 U	1800 U	--	1600 U	20 UJ	23 U
1,2-Dichlorobenzene	SW8260B	120 J	1800 U	--	1600 U	20 UJ	23 U
1,2-Dichloroethane	SW8260B	300 U	360 U	--	320 U	4 U	4.6 U
1,2-Dichloroethene, cis-	SW8260B	300 U	360 U	--	320 U	4 U	4.6 U
1,2-Dichloroethene, trans-	SW8260B	460 U	540 U	--	480 U	6 UJ	6.9 U
1,2-Dichloropropane	SW8260B	1100 U	1300 U	--	1100 U	14 U	16 U
1,3-Dichlorobenzene	SW8260B	1500 U	1800 U	--	1600 U	20 UJ	23 U
1,3-Dichloropropene, cis-	SW8260B	300 U	360 U	--	320 U	4 UJ	4.6 U
1,3-Dichloropropene, trans-	SW8260B	300 U	360 U	--	320 U	4 UJ	4.6 U
1,4-Dichlorobenzene	SW8260B	1500 U	1800 U	--	1600 U	20 UJ	4.8 J
2-Butanone (MEK)	SW8260B	3000 U	3600 U	--	3200 U	40	150
2-Hexanone (methyl butyl ketone)	SW8260B	3000 U	3600 U	--	3200 U	40 U	46 U
Acetone	SW8260B	11000 U	13000 U	--	11000 U	190	680
Benzene	SW8260B	150 J	360 U	--	320 U	4 UJ	4.6 U
Bromochloromethane	SW8260B	1500 U	1800 U	--	1600 U	20 U	23 U
Bromodichloromethane	SW8260B	300 U	360 U	--	320 U	4 UJ	4.6 U
Bromoform (tribromomethane)	SW8260B	1200 U	1400 U	--	1300 U	16 UJ	18 U
Bromomethane (methyl bromide)	SW8260B	610 UJ	730 UJ	--	640 UJ	8 UJ	9.2 U
Carbon disulfide	SW8260B	3000 J	3600 J	--	3200 J	58 J	140
Carbon tetrachloride (tetrachloromethane)	SW8260B	300 U	360 U	--	320 U	4 UJ	4.6 U
Chlorobenzene	SW8260B	100 J	360 U	--	320 U	4 UJ	4.6 U
Chloroethane	SW8260B	610 UJ	730 UJ	--	640 UJ	8 U	9.2 U
Chloroform	SW8260B	460 U	540 U	--	480 U	6 U	6.9 U

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2156	Spring Surface Sediment 2157	Spring Surface Sediment 2158	Spring Surface Sediment 2159	Spring Surface Sediment 2160	Spring Surface Sediment 2161
Task		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
Tributary		2.32	2.43	2.43	2.43	2.44	2.56
River Mile							
Location ID		NC068SG_20120503	NC069SG_20120503	NC070SG_20120503	NC070SG_20120503	NC071SG_20120504	NC072SG_20120503
Sample ID		NC068SG-000011-20120503	NC069SG-000015-20120503	NC070SG-000003-20120503	NC070SG-000013-20120503	NC071SG-000015-20120504	NC072SG-000015-20120503
Sample Date		5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/4/2012	5/3/2012
Sample Depth		0 - 11 cm	0 - 15 cm	0 - 3 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		20.1	16.3	22.8	22.8	16.3	20.1
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Chloromethane	SW8260B	1500 U	1800 U	--	1600 U	20 U	23 U
Cyclohexane	SW8260B	6100 U	7300 U	--	6400 U	-- R	92 U
Dibromochloromethane	SW8260B	300 U	360 U	--	320 U	4 UJ	4.6 U
Dichlorodifluoromethane	SW8260B	3000 U	3600 U	--	3200 U	40 U	46 U
Dichloromethane (methylene chloride)	SW8260B	3000 U	3600 U	--	3200 U	40 U	46 U
Ethylbenzene	SW8260B	490	360 U	--	320 U	4 UJ	4.6 U
Ethylene dibromide (1,2-Dibromoethane)	SW8260B	1200 U	1400 U	--	1300 U	16 UJ	18 U
Isopropylbenzene (cumene)	SW8260B	160 J	360 U	--	320 U	4 UJ	2.6 J
m,p-Xylene	SW8260B	840	730 U	--	640 U	8 UJ	9.2 U
Methyl acetate	SW8260B	6100 U	7300 U	--	6400 U	-- R	92 U
Methyl isobutyl ketone (4-methyl-2-pentanone [MIBK])	SW8260B	3000 U	3600 U	--	3200 U	40 U	46 U
Methyl tert-butyl ether (MTBE)	SW8260B	610 U	730 U	--	640 U	8 U	9.2 U
Methylcyclohexane	SW8260B	1500 J	1400 U	--	1300 U	16 UJ	18 U
o-Xylene	SW8260B	530 J	730 U	--	640 U	8 UJ	9.2 U
Styrene	SW8260B	610 U	730 U	--	640 U	8 UJ	9.2 U
Tetrachloroethene (PCE)	SW8260B	300 U	360 U	--	320 U	4 UJ	4.6 U
Toluene	SW8260B	460 U	540 U	--	480 U	6 UJ	6.9 U
Total BTEX (U = 0)	--	2010 J	730 U	--	640 U	8 UJ	9.2 U
Total BTEX (U = 1/2)	--	2240 J	730 U	--	640 U	8 UJ	9.2 U
Total xylene (U = 0)	--	1370 J	730 U	--	640 U	8 UJ	9.2 U
Total xylene (U = 1/2)	--	1370 J	730 U	--	640 U	8 UJ	9.2 U
Trichloroethene (TCE)	SW8260B	300 U	360 U	--	320 U	4 UJ	4.6 U
Trichlorofluoromethane (fluorotrichloromethane)	SW8260B	1500 UJ	1800 UJ	--	1600 UJ	20 U	23 U
Vinyl acetate	SW8260B	3000 U	3600 U	--	3200 U	40 UJ	46 U
Vinyl chloride	SW8260B	610 U	730 U	--	640 U	8 U	9.2 U
Semivolatile Organics (µg/kg)							
1,2,4,5-Tetrachlorobenzene	SW8270C	520 U	6300 U	--	6100 U	1200 U	7200 U
1,4-Dioxane	SW8270C	1000 U	13000 U	--	12000 U	2500 U	14000 U
2,3,4,6-Tetrachlorophenol	SW8270C	520 U	6300 U	--	6100 U	1200 U	7200 U
2,4,5-Trichlorophenol	SW8270C	520 U	6300 U	--	6100 U	1200 U	7200 U
2,4,6-Trichlorophenol	SW8270C	520 U	6300 U	--	6100 U	1200 U	7200 U

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2156	Spring Surface Sediment 2157	Spring Surface Sediment 2158	Spring Surface Sediment 2159	Spring Surface Sediment 2160	Spring Surface Sediment 2161
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		2.32	2.43	2.43	2.43	2.44	2.56
Location ID		NC068SG_20120503	NC069SG_20120503	NC070SG_20120503	NC070SG_20120503	NC071SG_20120504	NC072SG_20120503
Sample ID		NC068SG-000011-20120503	NC069SG-000015-20120503	NC070SG-000003-20120503	NC070SG-000013-20120503	NC071SG-000015-20120504	NC072SG-000015-20120503
Sample Date		5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/4/2012	5/3/2012
Sample Depth		0 - 11 cm	0 - 15 cm	0 - 3 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		20.1	16.3	22.8	22.8	16.3	20.1
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
2,4-Dichlorophenol	SW8270C	100 U	1300 U	--	1200 U	250 U	1500 U
2,4-Dimethylphenol	SW8270C	520 U	6300 U	--	6100 U	1200 UJ	7200 U
2,4-Dinitrophenol	SW8270C	2700 UJ	33000 U	--	32000 U	6300 U	37000 U
2,4-Dinitrotoluene	SW8270C	520 U	6300 U	--	6100 U	1200 U	7200 U
2,6-Dinitrotoluene	SW8270C	520 U	6300 U	--	6100 U	1200 U	7200 U
2-Chloronaphthalene	SW8270C	100 U	1300 U	--	1200 U	250 U	1500 U
2-Chlorophenol	SW8270C	520 U	6300 U	--	6100 U	1200 U	7200 U
2-Methylnaphthalene	SW8270C	13000	820 J	--	1700	290	2600
2-Methylphenol (o-Cresol)	SW8270C	520 U	6300 U	--	6100 U	1200 U	7200 U
2-Nitroaniline	SW8270C	2700 U	33000 U	--	32000 U	6300 U	37000 U
2-Nitrophenol	SW8270C	520 U	6300 U	--	6100 U	1200 U	7200 U
3,3'-Dichlorobenzidine	SW8270C	520 U	6300 U	--	6100 U	1200 U	7200 U
3-methylphenol and 4-methylphenol (m&p-cresol)	SW8270C	640	6300 U	--	6100 U	1200 U	7200 U
3-Nitroaniline	SW8270C	2700 U	33000 U	--	32000 U	6300 U	37000 U
4-Bromophenyl-phenyl ether	SW8270C	520 U	6300 U	--	6100 U	1200 U	7200 U
4-Chloro-3-methylphenol	SW8270C	520 U	6300 U	--	6100 U	1200 U	7200 U
4-Chloroaniline	SW8270C	520 U	530 J	--	1000 J	160 J	7200 U
4-Chlorophenyl phenyl ether	SW8270C	520 U	6300 U	--	6100 U	1200 U	7200 U
4-Nitroaniline	SW8270C	2700 U	33000 U	--	32000 U	6300 U	37000 U
4-Nitrophenol	SW8270C	2700 U	33000 U	--	32000 U	6300 U	37000 U
Acenaphthene	SW8270C	7700	1500	--	2800	220 J	12000
Acenaphthylene	SW8270C	3000	1400	--	1500	270	4400
Acetophenone	SW8270C	520 U	6300 U	--	6100 U	1200 U	7200 U
Anthracene	SW8270C	7400	2800	--	4700	610	9200
Atrazine	SW8270C	520 UJ	6300 UJ	--	6100 UJ	1200 UJ	7200 UJ
Benzaldehyde	SW8270C	520 U	6300 U	--	6100 U	1200 UJ	7200 U
Benzo(a)anthracene	SW8270C	13000	6400	--	7700	1800	13000
Benzo(a)pyrene	SW8270C	8100	6300	--	6700	1900	14000
Benzo(b)fluoranthene	SW8270C	3700	4900	--	4700	1900	9500
Benzo(g,h,i)perylene	SW8270C	4500	2900	--	3600	1000	7000
Benzo(k)fluoranthene	SW8270C	3800	2100	--	3000	630	3500
Biphenyl (1,1'-Biphenyl)	SW8270C	1700	6300 U	--	6100 U	1200 U	7200 U

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2156	Spring Surface Sediment 2157	Spring Surface Sediment 2158	Spring Surface Sediment 2159	Spring Surface Sediment 2160	Spring Surface Sediment 2161
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		2.32	2.43	2.43	2.43	2.44	2.56
Location ID		NC068SG_20120503	NC069SG_20120503	NC070SG_20120503	NC070SG_20120503	NC071SG_20120504	NC072SG_20120503
Sample ID		NC068SG-000011-20120503	NC069SG-000015-20120503	NC070SG-000003-20120503	NC070SG-000013-20120503	NC071SG-000015-20120504	NC072SG-000015-20120503
Sample Date		5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/4/2012	5/3/2012
Sample Depth		0 - 11 cm	0 - 15 cm	0 - 3 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		20.1	16.3	22.8	22.8	16.3	20.1
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
bis(2-Chloroethoxy)methane	SW8270C	520 U	6300 U	--	6100 U	1200 U	7200 U
bis(2-Chloroethyl)ether	SW8270C	100 U	1300 U	--	1200 U	250 U	1500 U
bis(2-Chloroisopropyl)ether	SW8270C	100 U	1300 U	--	1200 U	250 U	1500 U
Bis(2-ethylhexyl)phthalate	SW8270C	120000	97000	--	210000	26000	78000
Butylbenzyl phthalate	SW8270C	5200 U	6300 U	--	6100 U	180 J	7200 U
Caprolactam	SW8270C	2700 U	33000 U	--	32000 U	6300 U	37000 U
Carbazole	SW8270C	100 U	1300 U	--	1200 U	120 J	1500 U
Chrysene	SW8270C	1600	6300	--	8900	1800	13000
Dibenzo(a,h)anthracene	SW8270C	100 U	910 J	--	770 J	280	2700
Dibenzofuran	SW8270C	2500	6300 U	--	6100 U	1200 U	7200 U
Diethyl phthalate	SW8270C	520 U	6300 U	--	6100 U	1200 U	7200 U
Dimethyl phthalate	SW8270C	520 U	6300 U	--	6100 U	1200 U	7200 U
Di-n-butyl phthalate	SW8270C	910	6300 U	--	6100 U	1200 U	7200 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)	SW8270C	2700 U	33000 U	--	32000 U	6300 U	37000 U
Di-n-octyl phthalate	SW8270C	320 J	6300 U	--	1500 J	200 J	1300 J
Fluoranthene	SW8270C	18000	9300	--	14000	2700	18000
Fluorene	SW8270C	6900	1000 J	--	1600	240 J	1000 J
Hexachlorobenzene	SW8270C	100 U	1300 U	--	1200 U	250 U	1500 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270C	100 U	1300 U	--	1200 U	250 U	1500 U
Hexachlorocyclopentadiene	SW8270C	520 U	6300 U	--	6100 U	1200 U	7200 U
Hexachloroethane	SW8270C	520 U	6300 U	--	6100 U	1200 U	7200 U
Indeno(1,2,3-c,d)pyrene	SW8270C	2800	2300	--	2300	900	5400
Isophorone	SW8270C	520 U	6300 U	--	6100 U	1200 U	7200 U
Naphthalene	SW8270C	14000	1500	--	2500	480	9300
Nitrobenzene	SW8270C	1000 U	13000 U	--	12000 U	2500 U	14000 U
N-Nitrosodi-N-propylamine	SW8270C	100 U	1300 U	--	1200 U	250 U	1500 U
N-Nitrosodiphenylamine	SW8270C	520 U	6300 U	--	6100 U	1200 U	7200 U
Pentachlorophenol	SW8270C	520 UJ	6300 UJ	--	6100 UJ	1200 U	7200 UJ
Phenanthrene	SW8270C	43000	3100	--	10000	820	8300
Phenol	SW8270C	100 U	1300 U	--	1200 U	250 U	1500 U
Pyrene	SW8270C	34000	14000	--	20000	4100	31000

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2156	Spring Surface Sediment 2157	Spring Surface Sediment 2158	Spring Surface Sediment 2159	Spring Surface Sediment 2160	Spring Surface Sediment 2161
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		2.32	2.43	2.43	2.43	2.44	2.56
Location ID		NC068SG_20120503	NC069SG_20120503	NC070SG_20120503	NC070SG_20120503	NC071SG_20120504	NC072SG_20120503
Sample ID		NC068SG-000011-20120503	NC069SG-000015-20120503	NC070SG-000003-20120503	NC070SG-000013-20120503	NC071SG-000015-20120504	NC072SG-000015-20120503
Sample Date		5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/4/2012	5/3/2012
Sample Depth		0 - 11 cm	0 - 15 cm	0 - 3 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		20.1	16.3	22.8	22.8	16.3	20.1
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total cresol (o,m,p) (U = 0)	--	640	6300 U	--	6100 U	1200 U	7200 U
Total cresol (o,m,p) (U = 1/2)	--	900	6300 U	--	6100 U	1200 U	7200 U
Polycyclic Aromatic Hydrocarbons (µg/kg)							
1,6,7-Trimethylnaphthalene	SW8270CMSIM	14500	5220	--	7370	913	4950
1-Methyldibenzothiophene	SW8270CMSIM	3280	1990	--	1680	449	1990
1-Methylnaphthalene	SW8270CMSIM	18500	2140	--	2600	419	10900
1-Methylphenanthrene	SW8270CMSIM	23000	14200	--	13600	1140	14200
2,6-Dimethylnaphthalene	SW8270CMSIM	46000	9210	--	11200	1300	4540
2-Methylantracene	SW8270CMSIM	6710	6750	--	3290	1540	7330
2-Methyldibenzothiophene and 3-methyldibenzothiophene	SW8270CMSIM	14200	6540	--	7160	1180	5790
2-Methylnaphthalene	SW8270CMSIM	28000	4400	--	2940	1410	5210
2-Methylphenanthrene	SW8270CMSIM	35200	13200	--	12900	1160	6560
4-Methyldibenzothiophene	SW8270CMSIM	16200	8130	--	8920	1660	8270
4-Methylphenanthrene and 9-methylphenanthrene	SW8270CMSIM	26700	17300	--	13700	2220	17500
Acenaphthene	SW8270CMSIM	14100	5780	--	4460	791	22800
Acenaphthylene	SW8270CMSIM	6150	5780	--	2330	1440	9490
Anthracene	SW8270CMSIM	18000	17000	--	7860	3220	18500
Benzo(a)anthracene	SW8270CMSIM	22600	26400	--	14000	13100	27000
Benzo(a)pyrene	SW8270CMSIM	17800	23500	--	9700	8990	26900
Benzo(b)fluoranthene	SW8270CMSIM	11900	13600	--	7350	8770	15000
Benzo(e)pyrene	SW8270CMSIM	12600	14600	--	7570	6860	15900
Benzo(g,h,i)perylene	SW8270CMSIM	10600	12200	--	5860	5250	15000
Benzo(j,k)fluoranthene	SW8270CMSIM	11300	14000	--	7110	7930	15000
Benzonaphthothiophene	SW8270CMSIM	9690	10900	--	5910	4620	11200
Benzothiophene	SW8270CMSIM	1060	266	--	268	106 J	580
Carbazole	SW8270CMSIM	1560	615	--	588	338	578
Chrysene	SW8270CMSIM	24000	25900	--	14600	14300	25500
Decalin, cis and trans-	SW8270CMSIM	10500	913	--	5380	240	1480
Dibenzo(a,h)anthracene and dibenzo(a,c)anthracene	SW8270CMSIM	3160	3840	--	1790	1610	4540
Dibenzothiophene	SW8270CMSIM	9860	5150	--	3720	680	5800

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2156	Spring Surface Sediment 2157	Spring Surface Sediment 2158	Spring Surface Sediment 2159	Spring Surface Sediment 2160	Spring Surface Sediment 2161
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		2.32	2.43	2.43	2.43	2.44	2.56
Location ID		NC068SG_20120503	NC069SG_20120503	NC070SG_20120503	NC070SG_20120503	NC071SG_20120504	NC072SG_20120503
Sample ID		NC068SG-000011-20120503	NC069SG-000015-20120503	NC070SG-000003-20120503	NC070SG-000013-20120503	NC071SG-000015-20120504	NC072SG-000015-20120503
Sample Date		5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/4/2012	5/3/2012
Sample Depth		0 - 11 cm	0 - 15 cm	0 - 3 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		20.1	16.3	22.8	22.8	16.3	20.1
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Fluoranthene	SW8270CMSIM	42600	39200	--	26000	13800	38200
Fluorene	SW8270CMSIM	12200	4720	--	3030	649	1950
Indeno(1,2,3-c,d)pyrene	SW8270CMSIM	9450	11600	--	5440	5450	14200
Naphthalene	SW8270CMSIM	30000	5850	--	5030	2480	19000
Perylene	SW8270CMSIM	3760	4470	--	2170	2250	4760
Phenanthrene	SW8270CMSIM	67700	34700	--	17800	4010	17100
Pyrene	SW8270CMSIM	56600	59100	--	35000	17000	60700
Retene	SW8270CMSIM	240 U	177 U	--	227 U	116 U	133 U
Total benzofluoranthenes (U = 0)	--	23200	27600	--	14460	16700	30000
Total benzofluoranthenes (U = 1/2)	--	23200	27600	--	14460	16700	30000
Total cPAH TEQ (USEPA 1993) (U = 0)	--	25492	32665.9	--	14254.7	13425.6	37235.5
Total cPAH TEQ (USEPA 1993) (U = 1/2)	--	25492	32665.9	--	14254.7	13425.6	37235.5
Total HPAH (9 of 16) (U = 0)	--	210010	229340	--	126850	96200	242040
Total HPAH (9 of 16) (U = 1/2)	--	210010	229340	--	126850	96200	242040
Total LPAH (7 of 16) (U = 0)	--	176150	78230	--	43450	14000	94050
Total LPAH (7 of 16) (U = 1/2)	--	176150	78230	--	43450	14000	94050
Total PAH (16) (U = 0)	--	386160	307570	--	170300	110200	336090
Total PAH (16) (U = 1/2)	--	386160	307570	--	170300	110200	336090
Alkylated Polycyclic Aromatic Hydrocarbons (µg/kg)							
C1-Benzo(a)anthracenes/chrysenes	SW8270CMSIM	31700	32800	--	18100	10000	33200
C1-Benzo(b)thiophenes	SW8270CMSIM	2560	761	--	975	197	1470
C1-Decalins	SW8270CMSIM	25600	9300	--	17300	3580	7600
C1-Dibenzothiophenes	SW8270CMSIM	36400	18700	--	19000	3600	18200
C1-Fluoranthenes/Pyrenes	SW8270CMSIM	59800	64600	--	34600	20200	64600
C1-Fluorenes	SW8270CMSIM	26100	13200	--	12100	2050	11200
C1-Naphthalenes	SW8270CMSIM	28900	4110	--	3500	1160	9950
C1-Phenanthrenes/Anthracenes	SW8270CMSIM	121000	66200	--	57300	8020	59100
C2-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	33900	28300	--	18100	9210	28600
C2-Benzo(b)thiophenes	SW8270CMSIM	4940	1550	--	1690	357	2530
C2-Decalins	SW8270CMSIM	32600	17000	--	22800	8560	14400
C2-Dibenzothiophenes	SW8270CMSIM	56400	31900	--	33600	10800	29300
C2-Fluorenes	SW8270CMSIM	60100	31100	--	35700	9650	27600
C2-Naphthalenes	SW8270CMSIM	81500	17000	--	22700	2060	14000

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2156	Spring Surface Sediment 2157	Spring Surface Sediment 2158	Spring Surface Sediment 2159	Spring Surface Sediment 2160	Spring Surface Sediment 2161
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		2.32	2.43	2.43	2.43	2.44	2.56
Location ID		NC068SG_20120503	NC069SG_20120503	NC070SG_20120503	NC070SG_20120503	NC071SG_20120504	NC072SG_20120503
Sample ID		NC068SG-000011-20120503	NC069SG-000015-20120503	NC070SG-000003-20120503	NC070SG-000013-20120503	NC071SG-000015-20120504	NC072SG-000015-20120503
Sample Date		5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/4/2012	5/3/2012
Sample Depth		0 - 11 cm	0 - 15 cm	0 - 3 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		20.1	16.3	22.8	22.8	16.3	20.1
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
C2-Phenanthrenes/Anthracenes	SW8270CMSIM	129000	76900	--	76300	21100	69400
C3-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	26600	19000	--	14600	7490	19200
C3-Benzo(b)thiophenes	SW8270CMSIM	10000	3680	--	4440	995	4280
C3-Decalins	SW8270CMSIM	25000	13900	--	17600	7090	11900
C3-Dibenzothiophenes	SW8270CMSIM	39900	24100	--	24900	10100	21100
C3-Fluorenes	SW8270CMSIM	54400	30100	--	35000	11900	25000
C3-Naphthalenes	SW8270CMSIM	126000	40000	--	60000	6140	38700
C3-Phenanthrenes/Anthracenes	SW8270CMSIM	70900	43300	--	43400	17000	38200
C4-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	12500	7980	--	6940	3730	8540
C4-Benzo(b)thiophenes	SW8270CMSIM	10100	4050	--	5380	1340	3950
C4-Decalins	SW8270CMSIM	38700	24600	--	29600	12500	19500
C4-Dibenzothiophenes	SW8270CMSIM	18000	11400	--	11400	5110	9720
C4-Naphthalenes	SW8270CMSIM	95200	41200	--	58800	12100	34400
C4-Phenanthrenes/Anthracenes	SW8270CMSIM	30400	17400	--	18700	7900	15100
n-Alkanes and Isoprenoids (µg/kg)							
2,6,10-Trimethyldodecane	SW8015M	92800 J	28900	--	73600	5200 J	15200
2,6,10-Trimethyltridecane	SW8015M	162000 J	54500 J	--	111000	17500 J	44800
n-Decane (C10)	SW8015M	16000 U	11800 U	--	15200 U	7740 U	8870 U
n-Docosane (C22)	SW8015M	7240 J	11800 U	--	15200 U	7740 U	8870 U
n-Dodecane (C12)	SW8015M	18200 J	5430 J	--	6610 J	2200 J	3230 J
n-Dotriacontane (C32)	SW8015M	6180 J	3880 J	--	15200 U	3010 J	3420 J
n-Eicosane (C20)	SW8015M	12500 J	11800 U	--	15200 U	7740 U	8870 U
n-Heneicosane (C21)	SW8015M	7170 J	11800 U	--	15200 U	2170 J	8870 U
n-Hentriacontane (C31)	SW8015M	31300 J	26600	--	30600	21100	23400
n-Heptacosane (C27)	SW8015M	16500 J	9030 J	--	9600 J	6110 J	7460 J
n-Heptadecane (C17)	SW8015M	35100 J	12100	--	16900	4690 J	10100
n-Heptatriacontane (C37)	SW8015M	7490 J	11800 U	--	15200 U	7740 U	8870 U
n-Hexacosane (C26)	SW8015M	16800 J	9720 J	--	11500 J	4000 J	7840 J
n-Hexadecane (C16)	SW8015M	43400 J	15200	--	13300 J	7740 U	11200
n-Hexatriacontane (C36)	SW8015M	13100 J	9920 J	--	15200 U	5200 J	6880 J
n-Nonacosane (C29)	SW8015M	16000 U	11800 U	--	15200 U	7740 U	8870 U
n-Nonadecane (C19)	SW8015M	10100 J	11800 U	--	15200 U	7740 U	8870 U
n-Nonane (C9)	SW8015M	16000 U	11800 U	--	15200 U	7740 U	8870 U

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2156	Spring Surface Sediment 2157	Spring Surface Sediment 2158	Spring Surface Sediment 2159	Spring Surface Sediment 2160	Spring Surface Sediment 2161
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		2.32	2.43	2.43	2.43	2.44	2.56
Location ID		NC068SG_20120503	NC069SG_20120503	NC070SG_20120503	NC070SG_20120503	NC071SG_20120504	NC072SG_20120503
Sample ID		NC068SG-000011-20120503	NC069SG-000015-20120503	NC070SG-000003-20120503	NC070SG-000013-20120503	NC071SG-000015-20120504	NC072SG-000015-20120503
Sample Date		5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/4/2012	5/3/2012
Sample Depth		0 - 11 cm	0 - 15 cm	0 - 3 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		20.1	16.3	22.8	22.8	16.3	20.1
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
n-Nonatriacontane (C39)	SW8015M	16000 U	11800 U	--	15200 U	7740 U	8870 U
n-Octacosane (C28)	SW8015M	13800 J	8290 J	--	10200 J	5250 J	6960 J
n-Octadecane (C18)	SW8015M	103000 J	46500 J	--	29200 J	8250 J	24400 J
n-Octatriacontane (C38)	SW8015M	10300 J	4010 J	--	4440 J	3440 J	4540 J
Norpristane	SW8015M	158000 J	45600	--	122000	8980	30300
n-Pentacosane (C25)	SW8015M	60800 J	56200 J	--	45700 J	24400 J	42500 J
n-Pentadecane (C15)	SW8015M	32200 J	11600 J	--	22600	5890 J	7700 J
n-Pentatriacontane (C35)	SW8015M	14000 J	8460 J	--	9250 J	4660 J	5860 J
n-Tetracontane (C40)	SW8015M	16000 U	11800 U	--	15200 U	7740 U	3300 J
n-Tetracosane (C24)	SW8015M	7460 J	3410 J	--	15200 U	7740 U	8870 U
n-Tetradecane (C14)	SW8015M	36200 J	12900	--	22500	5220 J	6750 J
n-Tetratriacontane (C34)	SW8015M	10900 J	11800 U	--	12300 J	4250 J	3920 J
n-Triacontane (C30)	SW8015M	12900 J	7440 J	--	9340 J	4620 J	5150 J
n-Tricosane (C23)	SW8015M	16200 J	13000	--	8850 J	4390 J	13800
n-Tridecane (C13)	SW8015M	28100 J	5450 J	--	7670 J	2480 J	3750 J
n-Tritriacontane (C33)	SW8015M	26200 J	2960 J	--	15200 U	4670 J	5200 J
n-Undecane (C11)	SW8015M	8710 J	5400 J	--	6730 J	7740 U	7130 J
Pesticides (µg/kg)							
2,4'-DDD (o,p'-DDD)	SW8081A	2.6 UJ	24 J	--	3.1 UJ	23 J	1.8 UJ
2,4'-DDE (o,p'-DDE)	SW8081A	49	29	--	24	14 J	24
2,4'-DDT (o,p'-DDT)	SW8081A	2.6 UJ	0.32 UJ	--	3.1 UJ	0.26 J	0.35 J
4,4'-DDD (p,p'-DDD)	SW8081A	120	69	--	110	55	49
4,4'-DDE (p,p'-DDE)	SW8081A	87 J	52 J	--	38 J	35 J	47 J
4,4'-DDT (p,p'-DDT)	SW8081A	6.2 UJ	11 J	--	17 J	4.8 J	3.2 UJ
Aldrin	SW8081A	7.7 J	1.6 U	--	0.6 J	0.34 J	0.69 J
alpha-Hexachlorocyclohexane (BHC)	SW8081A	2.6 U	0.2 J	--	3.1 U	0.31 U	1.8 U
Chlordane, alpha- (cis-Chlordane)	SW8081A	2.6 U	0.32 U	--	3.1 U	0.31 U	1.8 U
Chlordane, beta- (trans-Chlordane)	SW8081A	100	70 J	--	110 J	0.31 U	48 J
delta-Hexachlorocyclohexane (BHC)	SW8081A	0.43 J	0.32 U	--	0.74 J	0.59 J	0.35 J
Dieldrin	SW8081A	65	27	--	46	18 J	19
Endosulfan sulfate	SW8081A	2.6 UJ	0.32 UJ	--	3.1 UJ	0.55 J	1.8 UJ
Endosulfan-alpha (I)	SW8081A	2.6 U	0.32 U	--	3.1 U	3.6	1.8 U
Endosulfan-beta (II)	SW8081A	6.7 J	0.32 U	--	3.1 U	0.31 U	2 J

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2156	Spring Surface Sediment 2157	Spring Surface Sediment 2158	Spring Surface Sediment 2159	Spring Surface Sediment 2160	Spring Surface Sediment 2161
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		2.32	2.43	2.43	2.43	2.44	2.56
Location ID		NC068SG_20120503	NC069SG_20120503	NC070SG_20120503	NC070SG_20120503	NC071SG_20120504	NC072SG_20120503
Sample ID		NC068SG-000011-20120503	NC069SG-000015-20120503	NC070SG-000003-20120503	NC070SG-000013-20120503	NC071SG-000015-20120504	NC072SG-000015-20120503
Sample Date		5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/4/2012	5/3/2012
Sample Depth		0 - 11 cm	0 - 15 cm	0 - 3 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		20.1	16.3	22.8	22.8	16.3	20.1
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Endrin	SW8081A	2.6 U	4.2	--	3.1 U	4.4 J	0.48 J
Endrin aldehyde	SW8081A	3.4 J	0.6 J	--	3.1 UJ	0.31 UJ	0.78 J
Endrin ketone	SW8081A	2.6 UJ	1.2 J	--	3.1 UJ	3.7 J	3.1 J
Heptachlor	SW8081A	2.6 U	1.6 U	--	1.6 U	0.31 U	1.8 U
Heptachlor epoxide	SW8081A	8.8 J	1.8 J	--	12 J	2.3 J	1.9 J
Hexachlorobenzene	SW8081A	15 J	10	--	9.7	5.6	7.9
Hexachlorocyclohexane, beta- (BHC)	SW8081A	1.1 J	0.32 U	--	1.1 J	0.52 J	1.8 U
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	SW8081A	2.6 U	0.32 U	--	3.1 U	0.31 U	1.8 U
Methoxychlor	SW8081A	5.2 UJ	0.64 UJ	--	24 J	1.5 J	9.1 J
Mirex	SW8081A	1.6 J	1.6 U	--	1.4 J	0.31 U	1.8 U
Nonachlor, cis-	SW8081A	14 J	7.4	--	17 J	4.2 J	4.5
Nonachlor, trans-	SW8081A	17 J	8.9 J	--	12 J	5.9 J	6.8 J
Oxychlordane	SW8081A	2.6 U	0.32 U	--	3.1 U	8	1.8 U
Sum DDD (U = 0)	--	120 J	93 J	--	110 J	78 J	49 J
Sum DDD (U = 1/2)	--	121.3 J	93 J	--	111.5 J	78 J	49.9 J
Sum DDE (U = 0)	--	136 J	81 J	--	62 J	49 J	71 J
Sum DDE (U = 1/2)	--	136 J	81 J	--	62 J	49 J	71 J
Sum DDT (U = 0)	--	6.2 UJ	11 J	--	17 J	5.06 J	0.35 J
Sum DDT (U = 1/2)	--	6.2 UJ	11.16 J	--	18.6 J	5.06 J	1.95 J
Total chlordanes (U = 0)	--	131 J	86.3 J	--	139 J	18.1 J	59.3 J
Total chlordanes (U = 1/2)	--	133.6 J	86.62 J	--	142.1 J	18.41 J	61.1 J
Total DDx (U = 0)	--	256 J	185 J	--	189 J	132.06 J	120.35 J
Total DDx (U = 1/2)	--	261.7 J	185.16 J	--	192.1 J	132.06 J	122.85 J
Toxaphene	SW8081A	100 U	13 U	--	120 U	12 U	72 U
Pesticides - High Resolution (µg/kg)							
2,4'-DDD (o,p'-DDD)	E1699	--	89	--	--	80	--
2,4'-DDE (o,p'-DDE)	E1699	--	14	--	--	9	--
2,4'-DDT (o,p'-DDT)	E1699	--	0.5 U	--	--	2.8 U	--
4,4'-DDD (p,p'-DDD)	E1699	--	180	--	--	160	--
4,4'-DDE (p,p'-DDE)	E1699	--	190	--	--	150	--
4,4'-DDT (p,p'-DDT)	E1699	--	17	--	--	2.4 U	--
Aldrin	E1699	--	0.34 U	--	--	0.42 U	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2156	Spring Surface Sediment 2157	Spring Surface Sediment 2158	Spring Surface Sediment 2159	Spring Surface Sediment 2160	Spring Surface Sediment 2161
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		2.32	2.43	2.43	2.43	2.44	2.56
Location ID		NC068SG_20120503	NC069SG_20120503	NC070SG_20120503	NC070SG_20120503	NC071SG_20120504	NC072SG_20120503
Sample ID		NC068SG-000011-20120503	NC069SG-000015-20120503	NC070SG-000003-20120503	NC070SG-000013-20120503	NC071SG-000015-20120504	NC072SG-000015-20120503
Sample Date		5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/4/2012	5/3/2012
Sample Depth		0 - 11 cm	0 - 15 cm	0 - 3 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		20.1	16.3	22.8	22.8	16.3	20.1
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
alpha-Hexachlorocyclohexane (BHC)	E1699	--	0.22 U	--	--	0.38 U	--
Chlordane, alpha- (cis-Chlordane)	E1699	--	180	--	--	130	--
Chlordane, beta- (trans-Chlordane)	E1699	--	220	--	--	160	--
delta-Hexachlorocyclohexane (BHC)	E1699	--	0.3 U	--	--	0.38 U	--
Dieldrin	E1699	--	89	--	--	67	--
Endosulfan sulfate	E1699	--	0.15 U	--	--	0.58 U	--
Endosulfan-alpha (I)	E1699	--	0.86 U	--	--	0.9 U	--
Endosulfan-beta (II)	E1699	--	3.8 U	--	--	3.5 U	--
Endrin	E1699	--	0.82 U	--	--	2.1 U	--
Endrin aldehyde	E1699	--	0.45 U	--	--	1.1 U	--
Endrin ketone	E1699	--	0.64 U	--	--	1 U	--
Heptachlor	E1699	--	0.077 U	--	--	0.39 U	--
Heptachlor epoxide	E1699	--	0.59 J	--	--	0.41 U	--
Hexachlorobenzene	E1699	--	32	--	--	23	--
Hexachlorocyclohexane, beta- (BHC)	E1699	--	0.26 U	--	--	0.35 U	--
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	E1699	--	0.26 U	--	--	0.43 J	--
Methoxychlor	E1699	--	1.6 U	--	--	2.5 U	--
Mirex	E1699	--	2.3	--	--	1.5 J	--
Nonachlor, cis-	E1699	--	41	--	--	30	--
Nonachlor, trans-	E1699	--	93	--	--	64	--
Oxychlordane	E1699	--	0.18 U	--	--	0.53 U	--
Sum DDD high resolution (U = 0)	--	--	269	--	--	240	--
Sum DDD high resolution (U = 1/2)	--	--	269	--	--	240	--
Sum DDE high resolution (U = 0)	--	--	204	--	--	159	--
Sum DDE high resolution (U = 1/2)	--	--	204	--	--	159	--
Sum DDT high resolution (U = 0)	--	--	17	--	--	2.8 U	--
Sum DDT high resolution (U = 1/2)	--	--	17.25	--	--	2.8 U	--
Total chlordane high resolution (U = 0)	--	--	534	--	--	384	--
Total chlordane high resolution (U = 1/2)	--	--	534.09	--	--	384.26	--
Total DDx high resolution (U = 0)	--	--	490	--	--	399	--
Total DDx high resolution (U = 1/2)	--	--	490.25	--	--	401.6	--
Toxaphene	E1699	--	32 U	--	--	64 U	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2156	Spring Surface Sediment 2157	Spring Surface Sediment 2158	Spring Surface Sediment 2159	Spring Surface Sediment 2160	Spring Surface Sediment 2161
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		2.32	2.43	2.43	2.43	2.44	2.56
Location ID		NC068SG_20120503	NC069SG_20120503	NC070SG_20120503	NC070SG_20120503	NC071SG_20120504	NC072SG_20120503
Sample ID		NC068SG-000011-20120503	NC069SG-000015-20120503	NC070SG-000003-20120503	NC070SG-000013-20120503	NC071SG-000015-20120504	NC072SG-000015-20120503
Sample Date		5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/4/2012	5/3/2012
Sample Depth		0 - 11 cm	0 - 15 cm	0 - 3 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		20.1	16.3	22.8	22.8	16.3	20.1
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Herbicides (µg/kg)							
2,2-Dichloropropionic acid (dalapon)	SW8151A	280 U	340 U	--	330 U	340 UJ	390 U
2,4,5-T (2,4,5-trichlorophenoxyacetic acid)	SW8151A	11 J	77 U	--	74 U	75 U	86 U
2,4,5-TP (Silvex)	SW8151A	62 U	77 U	--	9.9 J	75 U	86 U
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	250 UJ	310 UJ	--	300 UJ	300 U	350 UJ
2,4-DB (2,4-D derivative)	SW8151A	250 U	310 U	--	300 U	300 UJ	350 U
Dicamba	SW8151A	120 U	150 U	--	150 U	150 U	170 U
Dichlorprop	SW8151A	250 U	74 J	--	300 U	80 J	350 U
Dinoseb	SW8151A	37 UJ	46 UJ	--	44 UJ	45 U	52 UJ
Mecoprop (MCP)	SW8151A	25000 U	31000 U	--	30000 U	30000 U	35000 U
Mephanac (MCPA)	SW8151A	25000 U	31000 U	--	30000 U	30000 U	35000 U
Dioxin Furans (ng/kg)							
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	--	26.4	--	--	15.4	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	--	51.5	--	--	28.2	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	57.6	--	--	35.8	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	185	--	--	114	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	133	--	--	75.2	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B	--	2480	--	--	1740 J	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B	--	22700 J	--	--	15100 J	--
Total tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	--	477 J	--	--	282 J	--
Total pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	--	847 J	--	--	382	--
Total hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	1850	--	--	1060	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2156	Spring Surface Sediment 2157	Spring Surface Sediment 2158	Spring Surface Sediment 2159	Spring Surface Sediment 2160	Spring Surface Sediment 2161
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	2.32	2.43	2.43	2.43	2.44	2.56
		Location ID	NC068SG_20120503	NC069SG_20120503	NC070SG_20120503	NC070SG_20120503	NC071SG_20120504	NC072SG_20120503
		Sample ID	NC068SG-000011-20120503	NC069SG-000015-20120503	NC070SG-000003-20120503	NC070SG-000013-20120503	NC071SG-000015-20120504	NC072SG-000015-20120503
		Sample Date	5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/4/2012	5/3/2012
		Sample Depth	0 - 11 cm	0 - 15 cm	0 - 3 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	20.1	16.3	22.8	22.8	16.3	20.1
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
Total heptachlorodibenzo-p-dioxin (HpCDD)	E1613B		--	4700	--	--	3770	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B		--	116	--	--	68.4	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B		--	429	--	--	220	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B		--	279	--	--	142	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B		--	1560	--	--	713	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B		--	710	--	--	398	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B		--	82.1	--	--	39	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B		--	261	--	--	151	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B		--	8550 J	--	--	3960 J	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B		--	193	--	--	99	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B		--	7440	--	--	3690	--
Total tetrachlorodibenzofuran (TCDF)	E1613B		--	4330 J	--	--	2350 J	--
Total pentachlorodibenzofuran (PeCDF)	E1613B		--	7440 J	--	--	3070 J	--
Total hexachlorodibenzofuran (HxCDF)	E1613B		--	7580	--	--	4450	--
Total heptachlorodibenzofuran (HpCDF)	E1613B		--	10400 J	--	--	5010	--
Total dioxin/furan TEQ 1998 (avian) (U = 0)	--		--	888.1 J	--	--	460.8 J	--
Total dioxin/furan TEQ 1998 (avian) (U = 1/2)	--		--	888.1 J	--	--	460.8 J	--
Total dioxin/furan TEQ 1998 (fish) (U = 0)	--		--	630.9 J	--	--	323.1 J	--
Total dioxin/furan TEQ 1998 (fish) (U = 1/2)	--		--	630.9 J	--	--	323.1 J	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2156	Spring Surface Sediment 2157	Spring Surface Sediment 2158	Spring Surface Sediment 2159	Spring Surface Sediment 2160	Spring Surface Sediment 2161
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		2.32	2.43	2.43	2.43	2.44	2.56
Location ID		NC068SG_20120503	NC069SG_20120503	NC070SG_20120503	NC070SG_20120503	NC071SG_20120504	NC072SG_20120503
Sample ID		NC068SG-000011-20120503	NC069SG-000015-20120503	NC070SG-000003-20120503	NC070SG-000013-20120503	NC071SG-000015-20120504	NC072SG-000015-20120503
Sample Date		5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/4/2012	5/3/2012
Sample Depth		0 - 11 cm	0 - 15 cm	0 - 3 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		20.1	16.3	22.8	22.8	16.3	20.1
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total dioxin/furan TEQ 2005 (mammal) (U = 0)	--	--	606.2 J	--	--	315.9 J	--
Total dioxin/furan TEQ 2005 (mammal) (U = 1/2)	--	--	606.2 J	--	--	315.9 J	--
PCB Aroclors (µg/kg)							
Aroclor 1016	SW8082A	130 U	80 U	--	77 U	78 U	90 U
Aroclor 1221	SW8082A	130 U	80 U	--	77 U	78 U	90 U
Aroclor 1232	SW8082A	130 U	80 U	--	77 U	78 U	90 U
Aroclor 1242	SW8082A	8800	3000	--	4300	2900	2200
Aroclor 1248	SW8082A	130 U	80 U	--	77 U	78 U	90 U
Aroclor 1254	SW8082A	9500	4500	--	5500	3100	3700
Aroclor 1260	SW8082A	130 U	80 U	--	77 U	78 U	90 U
Aroclor 1262	SW8082A	130 U	80 U	--	77 U	78 U	90 U
Aroclor 1268	SW8082A	130 U	80 U	--	77 U	78 U	90 U
Total PCB Aroclors (U = 0)	--	18300	7500	--	9800	6000	5900
Total PCB Aroclors (U = 1/2)	--	18755	7780	--	10069.5	6273	6215
PCB Congeners (ng/kg)							
PCB-001	E1668B	--	34600 J	--	--	19100	--
PCB-002	E1668B	--	4780	--	--	2760	--
PCB-003	E1668B	--	43000 J	--	--	22800	--
PCB-004	E1668B	--	52300 J	--	--	34000	--
PCB-005	E1668B	--	4140 J	--	--	2860	--
PCB-006	E1668B	--	39000 J	--	--	26500	--
PCB-007	E1668B	--	12500	--	--	8200	--
PCB-008	E1668B	--	163000 J	--	--	117000 J	--
PCB-009	E1668B	--	15200 J	--	--	10500	--
PCB-010	E1668B	--	4830	--	--	2370	--
PCB-011	E1668B	--	8810	--	--	6970	--
PCB-012/013	E1668B	--	22500	--	--	17100	--
PCB-014	E1668B	--	39.9 U	--	--	15.3 U	--
PCB-015	E1668B	--	116000 J	--	--	74300 J	--
PCB-016	E1668B	--	107000 J	--	--	89700 J	--
PCB-017	E1668B	--	108000 J	--	--	88500 J	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2156	Spring Surface Sediment 2157	Spring Surface Sediment 2158	Spring Surface Sediment 2159	Spring Surface Sediment 2160	Spring Surface Sediment 2161
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	2.32	2.43	2.43	2.43	2.44	2.56
		Location ID	NC068SG_20120503	NC069SG_20120503	NC070SG_20120503	NC070SG_20120503	NC071SG_20120504	NC072SG_20120503
		Sample ID	NC068SG-000011-20120503	NC069SG-000015-20120503	NC070SG-000003-20120503	NC070SG-000013-20120503	NC071SG-000015-20120504	NC072SG-000015-20120503
		Sample Date	5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/4/2012	5/3/2012
		Sample Depth	0 - 11 cm	0 - 15 cm	0 - 3 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	20.1	16.3	22.8	22.8	16.3	20.1
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-018/030	E1668B	--	217000 J	--	--	172000 J	--	
PCB-019	E1668B	--	22100 J	--	--	16800	--	
PCB-020/028	E1668B	--	359000 J	--	--	304000 J	--	
PCB-021/033	E1668B	--	177000 J	--	--	150000 J	--	
PCB-022	E1668B	--	110000 J	--	--	110000 J	--	
PCB-023	E1668B	--	414	--	--	302 J	--	
PCB-024	E1668B	--	26.7 U	--	--	10 U	--	
PCB-025	E1668B	--	29900 J	--	--	25600	--	
PCB-026/029	E1668B	--	60600 J	--	--	49100	--	
PCB-027	E1668B	--	17800 J	--	--	15600 J	--	
PCB-031	E1668B	--	327000 J	--	--	278000 J	--	
PCB-032	E1668B	--	70900 J	--	--	60000	--	
PCB-034	E1668B	--	1260	--	--	936	--	
PCB-035	E1668B	--	6730	--	--	4600 J	--	
PCB-036	E1668B	--	69.1 U	--	--	72.6 U	--	
PCB-037	E1668B	--	88500 J	--	--	50900	--	
PCB-038	E1668B	--	74 U	--	--	240	--	
PCB-039	E1668B	--	68.3 U	--	--	71.5 U	--	
PCB-040/071	E1668B	--	127000 J	--	--	76600 J	--	
PCB-041	E1668B	--	40700 J	--	--	12700 J	--	
PCB-042	E1668B	--	85500 J	--	--	46600 J	--	
PCB-043	E1668B	--	12100	--	--	8250 J	--	
PCB-044/047/065	E1668B	--	321000 J	--	--	156000 J	--	
PCB-045	E1668B	--	--	--	--	--	--	
PCB-045/051	E1668B	--	67500 J	--	--	19700 J	--	
PCB-046	E1668B	--	22800 J	--	--	5950 J	--	
PCB-048	E1668B	--	72200 J	--	--	39900 J	--	
PCB-049/069	E1668B	--	185000 J	--	--	91100 J	--	
PCB-050/053	E1668B	--	50700 J	--	--	13600 J	--	
PCB-051	E1668B	--	--	--	--	--	--	
PCB-052	E1668B	--	444000 J	--	--	184000 J	--	
PCB-054	E1668B	--	774	--	--	782 J	--	
PCB-055	E1668B	--	46.3 U	--	--	36.2 UJ	--	

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2156	Spring Surface Sediment 2157	Spring Surface Sediment 2158	Spring Surface Sediment 2159	Spring Surface Sediment 2160	Spring Surface Sediment 2161
Task		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
Tributary		2.32	2.43	2.43	2.43	2.44	2.56
River Mile		NC068SG_20120503	NC069SG_20120503	NC070SG_20120503	NC070SG_20120503	NC071SG_20120504	NC072SG_20120503
Location ID		NC068SG-000011-20120503	NC069SG-000015-20120503	NC070SG-000003-20120503	NC070SG-000013-20120503	NC071SG-000015-20120504	NC072SG-000015-20120503
Sample ID		5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/4/2012	5/3/2012
Sample Date		0 - 11 cm	0 - 15 cm	0 - 3 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm
Sample Depth		20.1	16.3	22.8	22.8	16.3	20.1
Water Column Depth		N	N	N	N	N	N
Sample Type		SE	SE	SE	SE	SE	SE
Matrix							
PCB-056	E1668B	--	127000 J	--	--	97200 J	--
PCB-057	E1668B	--	48.3 U	--	--	38.5 UJ	--
PCB-058	E1668B	--	47.5 U	--	--	37.2 UJ	--
PCB-059/062/075	E1668B	--	25400	--	--	13600 J	--
PCB-060	E1668B	--	74800 J	--	--	55600 J	--
PCB-061/070/074/076	E1668B	--	470000 J	--	--	301000 J	--
PCB-063	E1668B	--	9940	--	--	6840 J	--
PCB-064	E1668B	--	126000 J	--	--	63300 J	--
PCB-066	E1668B	--	259000 J	--	--	175000 J	--
PCB-067	E1668B	--	9010	--	--	6390 J	--
PCB-068	E1668B	--	748	--	--	556 J	--
PCB-072	E1668B	--	1610	--	--	1060 J	--
PCB-073	E1668B	--	19.5 U	--	--	11.8 UJ	--
PCB-077	E1668B	--	25500 J	--	--	16500 J	--
PCB-078	E1668B	--	48.7 U	--	--	39.7 UJ	--
PCB-079	E1668B	--	43.3 U	--	--	1830 J	--
PCB-080	E1668B	--	44.1 U	--	--	1030 J	--
PCB-081	E1668B	--	1220 J	--	--	838 J	--
PCB-082	E1668B	--	46300 J	--	--	34400 J	--
PCB-083	E1668B	--	18800 J	--	--	12200 J	--
PCB-084	E1668B	--	92400 J	--	--	54000 J	--
PCB-085/116	E1668B	--	--	--	--	--	--
PCB-085/116/117	E1668B	--	61500 J	--	--	41500 J	--
PCB-086/087/097/108/119/125	E1668B	--	252000 J	--	--	168000 J	--
PCB-088	E1668B	--	--	--	--	--	--
PCB-088/091	E1668B	--	43200 J	--	--	28600 J	--
PCB-089	E1668B	--	4920	--	--	2730 J	--
PCB-090/101/113	E1668B	--	364000 J	--	--	233000 J	--
PCB-091	E1668B	--	--	--	--	--	--
PCB-092	E1668B	--	62200 J	--	--	39400 J	--
PCB-093/100	E1668B	--	40 U	--	--	1920 J	--
PCB-094	E1668B	--	1770	--	--	1140 J	--
PCB-095	E1668B	--	253000 J	--	--	148000 J	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2156	Spring Surface Sediment 2157	Spring Surface Sediment 2158	Spring Surface Sediment 2159	Spring Surface Sediment 2160	Spring Surface Sediment 2161
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	2.32	2.43	2.43	2.43	2.44	2.56
		Location ID	NC068SG_20120503	NC069SG_20120503	NC070SG_20120503	NC070SG_20120503	NC071SG_20120504	NC072SG_20120503
		Sample ID	NC068SG-000011-20120503	NC069SG-000015-20120503	NC070SG-000003-20120503	NC070SG-000013-20120503	NC071SG-000015-20120504	NC072SG-000015-20120503
		Sample Date	5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/4/2012	5/3/2012
		Sample Depth	0 - 11 cm	0 - 15 cm	0 - 3 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm
		Water Column Depth	20.1	16.3	22.8	22.8	16.3	20.1
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-096	E1668B	--	3550	--	--	1850 J	--	
PCB-098	E1668B	--	--	--	--	--	--	
PCB-098/102	E1668B	--	12200	--	--	7320 J	--	
PCB-099	E1668B	--	179000 J	--	--	105000 J	--	
PCB-102	E1668B	--	--	--	--	--	--	
PCB-103	E1668B	--	2050	--	--	1620 J	--	
PCB-104	E1668B	--	73.8	--	--	165	--	
PCB-105	E1668B	--	130000 J	--	--	93600 J	--	
PCB-106	E1668B	--	43 U	--	--	43.2 UJ	--	
PCB-107/124	E1668B	--	13000	--	--	10100 J	--	
PCB-109	E1668B	--	20700 J	--	--	15500 J	--	
PCB-110	E1668B	--	--	--	--	--	--	
PCB-110/115	E1668B	--	386000 J	--	--	270000 J	--	
PCB-111	E1668B	--	27 U	--	--	26.2 UJ	--	
PCB-112	E1668B	--	24.8 U	--	--	27.3 UJ	--	
PCB-114	E1668B	--	8510	--	--	5440	--	
PCB-115	E1668B	--	--	--	--	--	--	
PCB-117	E1668B	--	--	--	--	--	--	
PCB-118	E1668B	--	306000 J	--	--	222000 J	--	
PCB-120	E1668B	--	360	--	--	296 J	--	
PCB-121	E1668B	--	28.2 U	--	--	26.8 UJ	--	
PCB-122	E1668B	--	3510 J	--	--	2890 J	--	
PCB-123	E1668B	--	9700	--	--	4300	--	
PCB-126	E1668B	--	3180	--	--	2370	--	
PCB-127	E1668B	--	595	--	--	287 J	--	
PCB-128/166	E1668B	--	59300 J	--	--	50200	--	
PCB-129/138/163	E1668B	--	399000 J	--	--	349000 J	--	
PCB-130	E1668B	--	23100 J	--	--	19000	--	
PCB-131	E1668B	--	6200	--	--	4370	--	
PCB-132	E1668B	--	128000 J	--	--	106000 J	--	
PCB-133	E1668B	--	4940	--	--	3350	--	
PCB-134	E1668B	--	21000 J	--	--	15500	--	
PCB-135/151	E1668B	--	131000 J	--	--	96800	--	

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2156	Spring Surface Sediment 2157	Spring Surface Sediment 2158	Spring Surface Sediment 2159	Spring Surface Sediment 2160	Spring Surface Sediment 2161
Task		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
Tributary		2.32	2.43	2.43	2.43	2.44	2.56
River Mile		NC068SG_20120503	NC069SG_20120503	NC070SG_20120503	NC070SG_20120503	NC071SG_20120504	NC072SG_20120503
Location ID		NC068SG-000011-20120503	NC069SG-000015-20120503	NC070SG-000003-20120503	NC070SG-000013-20120503	NC071SG-000015-20120504	NC072SG-000015-20120503
Sample ID		5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/4/2012	5/3/2012
Sample Date		0 - 11 cm	0 - 15 cm	0 - 3 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm
Sample Depth		20.1	16.3	22.8	22.8	16.3	20.1
Water Column Depth		N	N	N	N	N	N
Sample Type		SE	SE	SE	SE	SE	SE
Matrix							
PCB-136	E1668B	--	54200 J	--	--	36100	--
PCB-137	E1668B	--	16100 J	--	--	12000 J	--
PCB-139/140	E1668B	--	6240	--	--	4760	--
PCB-141	E1668B	--	81100 J	--	--	62900	--
PCB-142	E1668B	--	61.6 U	--	--	58.5 U	--
PCB-143	E1668B	--	55.7 U	--	--	55.5 U	--
PCB-144	E1668B	--	18900	--	--	14700	--
PCB-145	E1668B	--	135 J	--	--	9.47 U	--
PCB-146	E1668B	--	54500 J	--	--	38700	--
PCB-147/149	E1668B	--	314000 J	--	--	259000 J	--
PCB-148	E1668B	--	23 U	--	--	324	--
PCB-150	E1668B	--	607	--	--	695	--
PCB-152	E1668B	--	365	--	--	8.9 U	--
PCB-153/168	E1668B	--	314000 J	--	--	245000 J	--
PCB-154	E1668B	--	3660	--	--	4350	--
PCB-155	E1668B	--	46.3 J	--	--	330 J	--
PCB-156/157	E1668B	--	47500 J	--	--	30800	--
PCB-158	E1668B	--	42400 J	--	--	35400	--
PCB-159	E1668B	--	44.2 U	--	--	39.3 U	--
PCB-160	E1668B	--	48.8 U	--	--	44 U	--
PCB-161	E1668B	--	42 U	--	--	39.8 U	--
PCB-162	E1668B	--	40.9 U	--	--	35.5 U	--
PCB-164	E1668B	--	26600 J	--	--	23500	--
PCB-165	E1668B	--	43.6 J	--	--	45.2 U	--
PCB-167	E1668B	--	15400 J	--	--	10200	--
PCB-169	E1668B	--	472 J	--	--	289 J	--
PCB-170	E1668B	--	75100 J	--	--	89700 J	--
PCB-171/173	E1668B	--	24300	--	--	31800	--
PCB-172	E1668B	--	12800	--	--	14100	--
PCB-174	E1668B	--	89200 J	--	--	115000 J	--
PCB-175	E1668B	--	3550	--	--	2840	--
PCB-176	E1668B	--	10900	--	--	9080	--
PCB-177	E1668B	--	45200 J	--	--	59500	--

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2156	Spring Surface Sediment 2157	Spring Surface Sediment 2158	Spring Surface Sediment 2159	Spring Surface Sediment 2160	Spring Surface Sediment 2161
Task		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
Tributary		2.32	2.43	2.43	2.43	2.44	2.56
River Mile		NC068SG_20120503	NC069SG_20120503	NC070SG_20120503	NC070SG_20120503	NC071SG_20120504	NC072SG_20120503
Location ID		NC068SG-000011-20120503	NC069SG-000015-20120503	NC070SG-000003-20120503	NC070SG-000013-20120503	NC071SG-000015-20120504	NC072SG-000015-20120503
Sample ID		5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/4/2012	5/3/2012
Sample Date		0 - 11 cm	0 - 15 cm	0 - 3 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm
Sample Depth		20.1	16.3	22.8	22.8	16.3	20.1
Water Column Depth		N	N	N	N	N	N
Sample Type		SE	SE	SE	SE	SE	SE
Matrix							
PCB-178	E1668B	--	16300 J	--	--	14700	--
PCB-179	E1668B	--	37600 J	--	--	33300	--
PCB-180/193	E1668B	--	172000 J	--	--	185000 J	--
PCB-181	E1668B	--	660	--	--	663	--
PCB-182	E1668B	--	28 U	--	--	16.2 U	--
PCB-183	E1668B	--	--	--	--	--	--
PCB-183/185	E1668B	--	52400 J	--	--	54900	--
PCB-184	E1668B	--	68.2	--	--	13 U	--
PCB-185	E1668B	--	--	--	--	--	--
PCB-186	E1668B	--	23.2 U	--	--	12.5 U	--
PCB-187	E1668B	--	93400 J	--	--	142000 J	--
PCB-188	E1668B	--	142	--	--	263	--
PCB-189	E1668B	--	3260	--	--	2140	--
PCB-190	E1668B	--	14900 J	--	--	16700	--
PCB-191	E1668B	--	2860	--	--	3080	--
PCB-192	E1668B	--	32.1 U	--	--	32.5 U	--
PCB-194	E1668B	--	42600 J	--	--	38100	--
PCB-195	E1668B	--	17400 J	--	--	15900	--
PCB-196	E1668B	--	23100 J	--	--	16400	--
PCB-197	E1668B	--	--	--	--	--	--
PCB-197/200	E1668B	--	7290	--	--	5410	--
PCB-198/199	E1668B	--	49500 J	--	--	39500	--
PCB-200	E1668B	--	--	--	--	--	--
PCB-201	E1668B	--	5980	--	--	3760	--
PCB-202	E1668B	--	9400	--	--	7370	--
PCB-203	E1668B	--	30200 J	--	--	19800	--
PCB-204	E1668B	--	26.6 U	--	--	22.3 U	--
PCB-205	E1668B	--	2250	--	--	1610	--
PCB-206	E1668B	--	22300 J	--	--	17300	--
PCB-207	E1668B	--	2430	--	--	1600	--
PCB-208	E1668B	--	7260	--	--	5120	--
PCB-209	E1668B	--	16400 J	--	--	12900 J	--
Total PCB congener (U = 0)	--	--	9721443.9 J	--	--	7047096 J	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2156	Spring Surface Sediment 2157	Spring Surface Sediment 2158	Spring Surface Sediment 2159	Spring Surface Sediment 2160	Spring Surface Sediment 2161
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		2.32	2.43	2.43	2.43	2.44	2.56
Location ID		NC068SG_20120503	NC069SG_20120503	NC070SG_20120503	NC070SG_20120503	NC071SG_20120504	NC072SG_20120503
Sample ID		NC068SG-000011-20120503	NC069SG-000015-20120503	NC070SG-000003-20120503	NC070SG-000013-20120503	NC071SG-000015-20120504	NC072SG-000015-20120503
Sample Date		5/3/2012	5/3/2012	5/3/2012	5/3/2012	5/4/2012	5/3/2012
Sample Depth		0 - 11 cm	0 - 15 cm	0 - 3 cm	0 - 13 cm	0 - 15 cm	0 - 15 cm
Water Column Depth		20.1	16.3	22.8	22.8	16.3	20.1
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total PCB congener (U = 1/2)	--	--	9722026.3 J	--	--	7047540.49 J	--
Total PCB congener TEQ 1998 (avian) (U = 0)	--	--	1737.4166 J	--	--	1161.4594 J	--
Total PCB congener TEQ 1998 (avian) (U = 1/2)	--	--	1737.4166 J	--	--	1161.4594 J	--
Total PCB congener TEQ 1998 (fish) (U = 0)	--	--	21.68545 J	--	--	15.77585 J	--
Total PCB congener TEQ 1998 (fish) (U = 1/2)	--	--	21.68545 J	--	--	15.77585 J	--
Total PCB congener TEQ 2005 (mammal) (U = 0)	--	--	350.6871 J	--	--	258.6258 J	--
Total PCB congener TEQ 2005 (mammal) (U = 1/2)	--	--	350.6871 J	--	--	258.6258 J	--
Total Petroleum Hydrocarbons (mg/kg)							
Diesel range organics (C10 - C28)	SW8015M	43800 J	28000	--	34400	15000	22300
Phytane	SW8015M	149 J	45.5	--	117	9.81	34.5
Pristane	SW8015M	306 J	70.1	--	243	15.7	46.8
Total petroleum hydrocarbons (C9-C40)	SW8015M	62500 J	43800	--	52200	25500	35700
Radionuclides (pci/g)							
Beryllium 7	HASL300	--	--	0.421 U	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2162	Spring Surface Sediment 2163	Spring Surface Sediment 2164	Spring Surface Sediment 2165	Spring Surface Sediment 2166	Spring Surface Sediment 2167
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		2.56	2.56	2.61	2.62	2.63	2.70573
Location ID		NC073SG_20120504	NC074SG_20120504	NC075SG_20120504	NC076SG_20120504	NC077SG_20120504	NC084SG_20120711
Sample ID		NC073SG-000015-20120504	NC074SG-000015-20120504	NC075SG-000015-20120504	NC076SG-000015-20120504	NC077SG-000012-20120504	NC084SG-000015-20120711
Sample Date		5/4/2012	5/4/2012	5/4/2012	5/4/2012	5/4/2012	7/11/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 12 cm	0 - 15 cm
Water Column Depth		21.3	9	19.5	18.3	3.9	7.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Conventional Parameters (lb/ft³)							
Density	D7263	17	16.6	14.4	17.1	23.7	31
Conventional Parameters (mg/kg)							
Ammonia as nitrogen	SM4500NH3H	180	140	110	210	64	69 J
Cyanide, total	SW9012A	4 U	4 U	4.3 U	3.9 U	3 U	3.2 U
Nitrate + nitrite as nitrogen	SM4500NO3F	11 U	10 U	12 U	10 U	8 U	8.1 U
Nitrogen ((No Suggestions))	SM4500NORGC	5400	4900	5200	4200	3600	2600
Phosphorus	SM4500PE	2500	2500	2500	2000	1600	770 J
Sulfide	SW9030B	6500	5700	11000	9900	5800	12000
Conventional Parameters (pct)							
Moisture (water) content	D2216	--	--	395.4	--	--	--
Moisture, percent	D2216	--	--	79.7	--	--	--
Soot carbon	SOOTC	0.287 J	0.254 J	0.197 J	0.534 J	0.549 J	1.16 J
Total organic carbon	SW9060	7.22	6.82	6.01	5.59	5.37	4.585 J
Total solids	SM2540G	23.2	23.2	21.2	23.2	30.4	30.8
Conventional Parameters (SU)							
pH	SW9045C	7.7	7.8	8	7.9	7.9	8
Conventional Parameters (unitless)							
Liquid limit	D4318	--	--	194	--	--	--
Plastic limit	D4318	--	--	56	--	--	--
Plasticity index	D4318	--	--	138	--	--	--
Specific gravity	D854	--	--	2.38	--	--	--
Grain Size (pct)							
Cobbles	D422	0	0	0	0	0	0
Gravel	D422	0	0	0	0	0.4	28.8
Sand	D422	6.1	17.6	1.2	12.3	8.9	32.5
Fines (silt + clay)	D422	93.9	82.4	98.8	87.7	90.7	38.7
Percent passing 0.375 inch (3/8 inch sieve)	D422	--	--	--	--	100	75
Percent passing 0.5 inch (1/2 inch sieve)	D422	--	--	--	--	--	76
Percent passing 0.75 inch (3/4 inch sieve)	D422	--	--	--	--	--	79
Percent passing 1 inch (1 inch sieve)	D422	--	--	--	--	--	100
Percent passing 75 micron sieve (#200)	D422	94	85	99	88	91	39
Percent passing 150 micron sieve (#100)	D422	96	87	99	92	94	44

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2162	Spring Surface Sediment 2163	Spring Surface Sediment 2164	Spring Surface Sediment 2165	Spring Surface Sediment 2166	Spring Surface Sediment 2167
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		2.56	2.56	2.61	2.62	2.63	2.70573
Location ID		NC073SG_20120504	NC074SG_20120504	NC075SG_20120504	NC076SG_20120504	NC077SG_20120504	NC084SG_20120711
Sample ID		NC073SG-000015-20120504	NC074SG-000015-20120504	NC075SG-000015-20120504	NC076SG-000015-20120504	NC077SG-000012-20120504	NC084SG-000015-20120711
Sample Date		5/4/2012	5/4/2012	5/4/2012	5/4/2012	5/4/2012	7/11/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 12 cm	0 - 15 cm
Water Column Depth		21.3	9	19.5	18.3	3.9	7.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Percent passing 250 micron sieve (#60)	D422	98	92	100	95	96	51
Percent passing 425 micron sieve (#40)	D422	99	95	100	98	97	57
Percent passing 850 micron sieve (#20)	D422	99	99	100	100	98	61
Percent passing 2000 micron sieve (#10)	D422	100	100	100	100	99	65
Percent passing 4750 micron sieve (#4)	D422	100	100	100	100	100	71
Metals (mg/kg)							
Aluminum	SW6020A	16200	15000	14900	15000	15300	9260
Antimony	SW6020A	4.59 J	3.3 J	3.02 J	5.96 J	1.22 J	0.894 J
Arsenic	SW6020A	54.3	37.8	41.3	59.5	19	20.6
Barium	SW6020A	194	186	161	215	152	219
Beryllium	SW6020A	1.02	0.883	0.847	0.994	0.702	0.641
Cadmium	SW6020A	42.2	29.8	32.1	49	10.3	8.42
Calcium	SW6020A	14300	12400	12500	15100	12700	27300 J
Chromium	SW6020A	340	282	294	396	121	136
Cobalt	SW6020A	20	15.9	16.4	19.1	11.1	8.25
Copper	SW6020A	2900	2100	2150	2860	669	700 J
Iron	SW6020A	34500	30100	33200	37300	26200	22200
Lead	SW6020A	670	642	603	760	412	508 J
Magnesium	SW6020A	14400	13300	13600	14200	13000	10800 J
Manganese	SW6020A	265	231	268	270	222	172
Mercury	E1631M	2.42	2.63	2.42	3.07	1.22	1.35
Nickel	SW6020A	447	285	319	449	89.7	90.4
Potassium	SW6020A	4010	3880	4020	3710	3360	2420 J
Selenium	SW6020A	7.04	5.92	5.27	6.89	2.74	3.26
Silver	SW6020A	17.9	12.6	12.2	14.9	3.79	1.75 J
Sodium	SW6020A	27700 J	24500 J	25200 J	26400 J	18300 J	15700 J
Thallium	SW6020A	0.637	0.532	0.615	0.679	0.314	0.262
Tin	SW6020A	72.7	62.3	52.3	66	28.3	11.6 J
Vanadium	SW6020A	79.3	74.1	71.5	82.5	55	53.8
Zinc	SW6020A	2880	2180	2330	3200	1090	950
Organometallic Compounds (µg/kg)							
Methyl mercury	E1630M	--	--	0.613	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2162	Spring Surface Sediment 2163	Spring Surface Sediment 2164	Spring Surface Sediment 2165	Spring Surface Sediment 2166	Spring Surface Sediment 2167
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		2.56	2.56	2.61	2.62	2.63	2.70573
Location ID		NC073SG_20120504	NC074SG_20120504	NC075SG_20120504	NC076SG_20120504	NC077SG_20120504	NC084SG_20120711
Sample ID		NC073SG-000015-20120504	NC074SG-000015-20120504	NC075SG-000015-20120504	NC076SG-000015-20120504	NC077SG-000012-20120504	NC084SG-000015-20120711
Sample Date		5/4/2012	5/4/2012	5/4/2012	5/4/2012	5/4/2012	7/11/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 12 cm	0 - 15 cm
Water Column Depth		21.3	9	19.5	18.3	3.9	7.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Volatile Organics (µg/kg)							
1,1,1-Trichloroethane	SW8260B	4.1 U	4.3 U	4.7 U	4.4 U	2.9 U	3.2 U
1,1,2,2-Tetrachloroethane	SW8260B	4.1 U	4.3 U	4.7 U	4.4 U	2.9 U	3.2 U
1,1,2-Trichloroethane	SW8260B	6.2 U	6.5 U	7.1 U	6.6 U	4.3 U	4.9 U
1,1,2-Trichlorotrifluoroethane	SW8260B	83 U	86 U	94 U	88 U	58 U	65 U
1,1-Dichloroethane	SW8260B	6.2 U	6.5 U	7.1 U	6.6 U	4.3 U	4.9 U
1,1-Dichloroethene	SW8260B	4.1 U	4.3 U	4.7 U	4.4 U	2.9 U	3.2 U
1,2,3-Trichlorobenzene	SW8260B	21 U	22 U	24 U	22 U	14 U	16 U
1,2,4-Trichlorobenzene	SW8260B	21 U	22 U	24 U	22 U	14 U	16 U
1,2-Dibromo-3-chloropropane	SW8260B	21 U	22 U	24 U	22 U	14 U	16 U
1,2-Dichlorobenzene	SW8260B	21 U	22 U	24 U	22 U	14 U	16 U
1,2-Dichloroethane	SW8260B	4.1 U	4.3 U	4.7 U	4.4 U	2.9 U	3.2 U
1,2-Dichloroethene, cis-	SW8260B	4.1 U	4.3 U	4.7 U	4.4 U	2.9 U	3.2 U
1,2-Dichloroethene, trans-	SW8260B	6.2 U	6.5 U	7.1 U	6.6 U	4.3 U	4.9 U
1,2-Dichloropropane	SW8260B	14 U	15 U	16 U	15 U	10 U	11 U
1,3-Dichlorobenzene	SW8260B	21 U	22 U	24 U	22 U	14 U	16 U
1,3-Dichloropropene, cis-	SW8260B	4.1 U	4.3 U	4.7 U	4.4 U	2.9 U	3.2 U
1,3-Dichloropropene, trans-	SW8260B	4.1 U	4.3 U	4.7 U	4.4 U	2.9 U	3.2 U
1,4-Dichlorobenzene	SW8260B	21 U	22 U	24 U	22 U	14 U	16 U
2-Butanone (MEK)	SW8260B	41	22 J	22 J	36 J	13 J	32 U
2-Hexanone (methyl butyl ketone)	SW8260B	41 U	43 U	47 U	44 U	29 U	32 U
Acetone	SW8260B	220	130 J	140 J	230	87 J	54 J
Benzene	SW8260B	4.1 U	4.3 U	4.7 U	4.4 U	2.9 U	3.2 U
Bromochloromethane	SW8260B	21 U	22 U	24 U	22 U	14 U	16 U
Bromodichloromethane	SW8260B	4.1 U	4.3 U	4.7 U	4.4 U	2.9 U	3.2 U
Bromoform (tribromomethane)	SW8260B	16 U	17 U	19 U	18 U	12 U	13 U
Bromomethane (methyl bromide)	SW8260B	8.3 U	8.6 U	9.4 U	8.8 U	5.8 U	6.5 U
Carbon disulfide	SW8260B	36 J	20 J	39 J	38 J	18 J	5.7 J
Carbon tetrachloride (tetrachloromethane)	SW8260B	4.1 U	4.3 U	4.7 U	4.4 U	2.9 U	3.2 U
Chlorobenzene	SW8260B	4.1 U	4.3 U	4.7 U	4.4 U	2.9 U	3.2 U
Chloroethane	SW8260B	8.3 U	8.6 U	9.4 U	8.8 U	5.8 U	6.5 U
Chloroform	SW8260B	6.2 U	6.5 U	7.1 U	6.6 U	4.3 U	4.9 U

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2162	Spring Surface Sediment 2163	Spring Surface Sediment 2164	Spring Surface Sediment 2165	Spring Surface Sediment 2166	Spring Surface Sediment 2167
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		2.56	2.56	2.61	2.62	2.63	2.70573
Location ID		NC073SG_20120504	NC074SG_20120504	NC075SG_20120504	NC076SG_20120504	NC077SG_20120504	NC084SG_20120711
Sample ID		NC073SG-000015-20120504	NC074SG-000015-20120504	NC075SG-000015-20120504	NC076SG-000015-20120504	NC077SG-000012-20120504	NC084SG-000015-20120711
Sample Date		5/4/2012	5/4/2012	5/4/2012	5/4/2012	5/4/2012	7/11/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 12 cm	0 - 15 cm
Water Column Depth		21.3	9	19.5	18.3	3.9	7.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Chloromethane	SW8260B	21 U	22 U	24 U	22 U	14 U	16 U
Cyclohexane	SW8260B	83 U	86 U	94 U	88 U	58 U	65 U
Dibromochloromethane	SW8260B	4.1 U	4.3 U	4.7 U	4.4 U	2.9 U	3.2 U
Dichlorodifluoromethane	SW8260B	41 U	43 U	47 U	44 U	29 U	32 U
Dichloromethane (methylene chloride)	SW8260B	41 U	43 U	47 U	44 U	29 U	32 U
Ethylbenzene	SW8260B	4.1 U	4.3 U	4.7 U	4.4 U	2.9 U	3.2 U
Ethylene dibromide (1,2-Dibromoethane)	SW8260B	16 U	17 U	19 U	18 U	12 U	13 U
Isopropylbenzene (cumene)	SW8260B	4.1 U	4.3 U	4.7 U	4.4 U	2.9 U	3.2 U
m,p-Xylene	SW8260B	8.3 U	8.6 U	9.4 U	8.8 U	5.8 U	6.5 U
Methyl acetate	SW8260B	83 U	86 U	94 U	88 U	58 U	65 U
Methyl isobutyl ketone (4-methyl-2-pentanone [MIBK])	SW8260B	41 U	43 U	47 U	44 U	29 U	32 U
Methyl tert-butyl ether (MTBE)	SW8260B	8.3 U	8.6 U	9.4 U	8.8 U	5.8 U	6.5 U
Methylcyclohexane	SW8260B	16 U	17 U	19 U	18 U	12 U	13 U
o-Xylene	SW8260B	8.3 U	8.6 U	9.4 U	8.8 U	5.8 U	6.5 U
Styrene	SW8260B	8.3 U	8.6 U	9.4 U	8.8 U	5.8 U	6.5 U
Tetrachloroethene (PCE)	SW8260B	4.1 U	4.3 U	4.7 U	4.4 U	2.9 U	3.2 U
Toluene	SW8260B	6.2 U	6.5 U	7.1 U	6.6 U	4.3 U	4.9 U
Total BTEX (U = 0)	--	8.3 U	8.6 U	9.4 U	8.8 U	5.8 U	6.5 U
Total BTEX (U = 1/2)	--	8.3 U	8.6 U	9.4 U	8.8 U	5.8 U	6.5 U
Total xylene (U = 0)	--	8.3 U	8.6 U	9.4 U	8.8 U	5.8 U	6.5 U
Total xylene (U = 1/2)	--	8.3 U	8.6 U	9.4 U	8.8 U	5.8 U	6.5 U
Trichloroethene (TCE)	SW8260B	4.1 U	4.3 U	4.7 U	4.4 U	2.9 U	3.2 U
Trichlorofluoromethane (fluorotrichloromethane)	SW8260B	21 U	22 U	24 U	22 U	14 U	16 U
Vinyl acetate	SW8260B	41 U	43 U	47 U	44 U	29 U	32 U
Vinyl chloride	SW8260B	8.3 U	8.6 U	9.4 U	8.8 U	5.8 U	6.5 U
Semivolatile Organics (µg/kg)							
1,2,4,5-Tetrachlorobenzene	SW8270C	1300 U	1300 U	2900 U	2500 U	500 U	1900 U
1,4-Dioxane	SW8270C	2700 U	2600 U	5900 U	5100 U	1000 U	3900 U
2,3,4,6-Tetrachlorophenol	SW8270C	1300 U	1300 U	2900 U	2500 U	500 U	1900 U
2,4,5-Trichlorophenol	SW8270C	1300 U	1300 U	2900 U	2500 U	500 U	1900 U
2,4,6-Trichlorophenol	SW8270C	1300 U	1300 U	2900 U	2500 U	500 U	1900 U

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2162	Spring Surface Sediment 2163	Spring Surface Sediment 2164	Spring Surface Sediment 2165	Spring Surface Sediment 2166	Spring Surface Sediment 2167
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		2.56	2.56	2.61	2.62	2.63	2.70573
Location ID		NC073SG_20120504	NC074SG_20120504	NC075SG_20120504	NC076SG_20120504	NC077SG_20120504	NC084SG_20120711
Sample ID		NC073SG-000015-20120504	NC074SG-000015-20120504	NC075SG-000015-20120504	NC076SG-000015-20120504	NC077SG-000012-20120504	NC084SG-000015-20120711
Sample Date		5/4/2012	5/4/2012	5/4/2012	5/4/2012	5/4/2012	7/11/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 12 cm	0 - 15 cm
Water Column Depth		21.3	9	19.5	18.3	3.9	7.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
2,4-Dichlorophenol	SW8270C	270 U	270 U	590 U	520 U	100 U	390 U
2,4-Dimethylphenol	SW8270C	1300 UJ	1300 UJ	2900 UJ	2500 UJ	500 UJ	1900 U
2,4-Dinitrophenol	SW8270C	6800 U	6700 U	15000 U	13000 U	2600 U	9900 U
2,4-Dinitrotoluene	SW8270C	1300 U	1300 U	2900 U	2500 U	500 U	1900 U
2,6-Dinitrotoluene	SW8270C	1300 U	1300 U	2900 U	2500 U	500 U	1900 U
2-Chloronaphthalene	SW8270C	270 U	270 U	590 U	520 U	100 U	390 U
2-Chlorophenol	SW8270C	1300 U	1300 U	2900 U	2500 U	500 U	1900 U
2-Methylnaphthalene	SW8270C	360	380	630	630	220	200 J
2-Methylphenol (o-Cresol)	SW8270C	1300 U	1300 U	2900 U	2500 U	500 U	1900 U
2-Nitroaniline	SW8270C	6800 U	6700 U	15000 U	13000 U	2600 U	9900 U
2-Nitrophenol	SW8270C	1300 U	1300 U	2900 U	2500 U	500 U	1900 U
3,3'-Dichlorobenzidine	SW8270C	1300 U	1300 U	2900 U	2500 U	500 U	1900 U
3-methylphenol and 4-methylphenol (m&p-cresol)	SW8270C	1300 U	1300 U	2900 U	2500 U	98 J	1900 U
3-Nitroaniline	SW8270C	6800 U	6700 U	15000 U	13000 U	2600 U	9900 U
4-Bromophenyl-phenyl ether	SW8270C	1300 U	1300 U	2900 U	2500 U	500 U	1900 U
4-Chloro-3-methylphenol	SW8270C	1300 U	1300 U	2900 U	2500 U	500 U	1900 U
4-Chloroaniline	SW8270C	250 J	220 J	350 J	310 J	120 J	1900 U
4-Chlorophenyl phenyl ether	SW8270C	1300 U	1300 U	2900 U	2500 U	500 U	1900 U
4-Nitroaniline	SW8270C	6800 U	6700 U	15000 U	13000 U	2600 U	9900 U
4-Nitrophenol	SW8270C	6800 U	6700 U	15000 U	13000 U	2600 U	9900 U
Acenaphthene	SW8270C	190 J	170 J	870	250 J	140	330 J
Acenaphthylene	SW8270C	400	480	760	720	380	450
Acetophenone	SW8270C	1300 U	1300 U	2900 U	2500 U	50 J	1900 U
Anthracene	SW8270C	580	450	850	740	510	660
Atrazine	SW8270C	1300 UJ	1300 UJ	2900 UJ	2500 UJ	500 UJ	1900 UJ
Benzaldehyde	SW8270C	210 J	1300 UJ	2900 UJ	2500 UJ	130 J	1900 UJ
Benzo(a)anthracene	SW8270C	2400	1700	3600	3600	2000	3000
Benzo(a)pyrene	SW8270C	2500	2800	4700	4300	2400	3200
Benzo(b)fluoranthene	SW8270C	2600	2700	3600	3200	2100	3700 J
Benzo(g,h,i)perylene	SW8270C	1600	1800	2700	2300	1600	1800
Benzo(k)fluoranthene	SW8270C	950	1400	2600	1900	1400	1200
Biphenyl (1,1'-Biphenyl)	SW8270C	120 J	120 J	2900 U	2500 U	58 J	1900 U

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2162	Spring Surface Sediment 2163	Spring Surface Sediment 2164	Spring Surface Sediment 2165	Spring Surface Sediment 2166	Spring Surface Sediment 2167
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		2.56	2.56	2.61	2.62	2.63	2.70573
Location ID		NC073SG_20120504	NC074SG_20120504	NC075SG_20120504	NC076SG_20120504	NC077SG_20120504	NC084SG_20120711
Sample ID		NC073SG-000015-20120504	NC074SG-000015-20120504	NC075SG-000015-20120504	NC076SG-000015-20120504	NC077SG-000012-20120504	NC084SG-000015-20120711
Sample Date		5/4/2012	5/4/2012	5/4/2012	5/4/2012	5/4/2012	7/11/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 12 cm	0 - 15 cm
Water Column Depth		21.3	9	19.5	18.3	3.9	7.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
bis(2-Chloroethoxy)methane	SW8270C	1300 U	1300 U	2900 U	2500 U	500 U	1900 U
bis(2-Chloroethyl)ether	SW8270C	270 U	270 U	590 U	520 U	100 U	390 U
bis(2-Chloroisopropyl)ether	SW8270C	270 U	270 U	590 U	520 U	100 U	390 UJ
Bis(2-ethylhexyl)phthalate	SW8270C	30000	29000	45000	39000	13000	11000
Butylbenzyl phthalate	SW8270C	570 J	460 J	2900 U	2500 U	400 J	1900 U
Caprolactam	SW8270C	6800 U	6700 U	15000 U	13000 U	2600 U	9900 UJ
Carbazole	SW8270C	130 J	270 U	300 J	520 U	160	250 J
Chrysene	SW8270C	1900	1900	2800	3000	1800	3000
Dibenzo(a,h)anthracene	SW8270C	330	540	850	750	510	460
Dibenzofuran	SW8270C	1300 U	130 J	2900 U	2500 U	100 J	1900 U
Diethyl phthalate	SW8270C	1300 U	1300 U	2900 U	2500 U	500 U	1900 U
Dimethyl phthalate	SW8270C	1300 U	1300 U	2900 U	2500 U	500 U	1900 U
Di-n-butyl phthalate	SW8270C	190 J	180 J	2900 U	430 J	130 J	1900 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)	SW8270C	6800 U	6700 U	15000 U	13000 U	2600 U	9900 U
Di-n-octyl phthalate	SW8270C	220 J	820 J	400 J	460 J	500 U	1900 U
Fluoranthene	SW8270C	3400	2300	4700	4500	3500	3700
Fluorene	SW8270C	140 J	270 U	590 U	270 J	170	180 J
Hexachlorobenzene	SW8270C	270 U	270 U	590 U	520 U	100 U	390 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270C	270 U	270 U	590 U	520 U	100 U	390 U
Hexachlorocyclopentadiene	SW8270C	1300 U	1300 U	2900 U	2500 U	500 U	1900 UJ
Hexachloroethane	SW8270C	1300 U	1300 U	2900 U	2500 U	500 U	1900 U
Indeno(1,2,3-c,d)pyrene	SW8270C	1300	1500	2300	2100	1400	1400
Isophorone	SW8270C	1300 U	1300 U	2900 U	2500 U	500 U	1900 U
Naphthalene	SW8270C	730	820	2000	1600	420	540
Nitrobenzene	SW8270C	2700 U	2600 U	5900 U	5100 U	1000 U	3900 U
N-Nitrosodi-N-propylamine	SW8270C	270 U	270 U	590 U	520 U	100 U	390 U
N-Nitrosodiphenylamine	SW8270C	1300 U	1300 U	2900 U	2500 U	500 U	1900 U
Pentachlorophenol	SW8270C	1300 U	1300 U	2900 U	2500 U	500 U	1900 U
Phenanthrene	SW8270C	1100	960	1700	1300	1100	2100
Phenol	SW8270C	270 U	270 U	590 U	520 U	24 J	390 U
Pyrene	SW8270C	5300	5400	10000	8700	4600	6300

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2162	Spring Surface Sediment 2163	Spring Surface Sediment 2164	Spring Surface Sediment 2165	Spring Surface Sediment 2166	Spring Surface Sediment 2167
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		2.56	2.56	2.61	2.62	2.63	2.70573
Location ID		NC073SG_20120504	NC074SG_20120504	NC075SG_20120504	NC076SG_20120504	NC077SG_20120504	NC084SG_20120711
Sample ID		NC073SG-000015-20120504	NC074SG-000015-20120504	NC075SG-000015-20120504	NC076SG-000015-20120504	NC077SG-000012-20120504	NC084SG-000015-20120711
Sample Date		5/4/2012	5/4/2012	5/4/2012	5/4/2012	5/4/2012	7/11/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 12 cm	0 - 15 cm
Water Column Depth		21.3	9	19.5	18.3	3.9	7.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total cresol (o,m,p) (U = 0)	--	1300 U	1300 U	2900 U	2500 U	98 J	1900 U
Total cresol (o,m,p) (U = 1/2)	--	1300 U	1300 U	2900 U	2500 U	348 J	1900 U
Polycyclic Aromatic Hydrocarbons (µg/kg)							
1,6,7-Trimethylnaphthalene	SW8270CMSIM	252	138	218	223	101	82.9
1-Methyldibenzothiophene	SW8270CMSIM	361	180	266	457	99.3	61.2
1-Methylnaphthalene	SW8270CMSIM	538	470	860	729	260	284
1-Methylphenanthrene	SW8270CMSIM	783	547	500	763	477	499
2,6-Dimethylnaphthalene	SW8270CMSIM	1110	882	819	1270	430	453
2-Methylantracene	SW8270CMSIM	792	496	591	1060	387	428
2-Methyldibenzothiophene and 3-methyldibenzothiophene	SW8270CMSIM	656	133	168	661	98.4	245
2-Methylnaphthalene	SW8270CMSIM	1550	1330	1240	2110	642	700
2-Methylphenanthrene	SW8270CMSIM	945	737	608	972	544	632
4-Methyldibenzothiophene	SW8270CMSIM	755	317	398	571	186	163
4-Methylphenanthrene and 9-methylphenanthrene	SW8270CMSIM	1490	934	1150	1930	742	661
Acenaphthene	SW8270CMSIM	616	401	1130	655	347	363
Acenaphthylene	SW8270CMSIM	1420	1420	1270	2250	1140	1240
Anthracene	SW8270CMSIM	2060	1550	1570	2520	1470	1470
Benzo(a)anthracene	SW8270CMSIM	7720	4770	4520	9230	4730	4910
Benzo(a)pyrene	SW8270CMSIM	8030	7230	6550	10400	6350	7550
Benzo(b)fluoranthene	SW8270CMSIM	7740	6770	5800	8320	5670	6340
Benzo(e)pyrene	SW8270CMSIM	6590	5800	5050	7460	4620	5520
Benzo(g,h,i)perylene	SW8270CMSIM	5750	5300	4330	6650	4280	5190
Benzo(j,k)fluoranthene	SW8270CMSIM	6640	5720	5120	7290	4890	6130
Benzonaphthothiophene	SW8270CMSIM	3090	2300	2440	3390	1780	1640
Benzothiophene	SW8270CMSIM	119	105 J	137	184	52.1 J	66.6
Carbazole	SW8270CMSIM	411	353	295	383	316	290
Chrysene	SW8270CMSIM	6900	4680	4410	7440	4580	5850
Decalin, cis and trans-	SW8270CMSIM	146	104	81.6	112	76.8	52.2
Dibenzo(a,h)anthracene and dibenzo(a,c)anthracene	SW8270CMSIM	1640	1560	1280	1940	1280	1610
Dibenzothiophene	SW8270CMSIM	500	357	432	475	286	253

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2162	Spring Surface Sediment 2163	Spring Surface Sediment 2164	Spring Surface Sediment 2165	Spring Surface Sediment 2166	Spring Surface Sediment 2167
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		2.56	2.56	2.61	2.62	2.63	2.70573
Location ID		NC073SG_20120504	NC074SG_20120504	NC075SG_20120504	NC076SG_20120504	NC077SG_20120504	NC084SG_20120711
Sample ID		NC073SG-000015-20120504	NC074SG-000015-20120504	NC075SG-000015-20120504	NC076SG-000015-20120504	NC077SG-000012-20120504	NC084SG-000015-20120711
Sample Date		5/4/2012	5/4/2012	5/4/2012	5/4/2012	5/4/2012	7/11/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 12 cm	0 - 15 cm
Water Column Depth		21.3	9	19.5	18.3	3.9	7.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Fluoranthene	SW8270CMSIM	14800	7710	9040	14400	10200	9460
Fluorene	SW8270CMSIM	489	371	401	531	385	339
Indeno(1,2,3-c,d)pyrene	SW8270CMSIM	5920	5370	4420	6580	4540	4890
Naphthalene	SW8270CMSIM	3230	3090	4190	5560	1410	2000
Perylene	SW8270CMSIM	2060	1820	1610	2290	1520	1990
Phenanthrene	SW8270CMSIM	3380	2850	2460	3330	2940	3410
Pyrene	SW8270CMSIM	18100	14000	15400	22300	11600	11800
Retene	SW8270CMSIM	119 U	107 U	73.2 U	98.9 U	70 U	56.4 U
Total benzofluoranthenes (U = 0)	--	14380	12490	10920	15610	10560	12470
Total benzofluoranthenes (U = 1/2)	--	14380	12490	10920	15610	10560	12470
Total cPAH TEQ (USEPA 1993) (U = 0)	--	11881.3	10542.88	9359.61	14833.34	9177.48	10841.15
Total cPAH TEQ (USEPA 1993) (U = 1/2)	--	11881.3	10542.88	9359.61	14833.34	9177.48	10841.15
Total HPAH (9 of 16) (U = 0)	--	83240	63110	60870	94550	58120	63730
Total HPAH (9 of 16) (U = 1/2)	--	83240	63110	60870	94550	58120	63730
Total LPAH (7 of 16) (U = 0)	--	12745	11012	12261	16956	8334	9522
Total LPAH (7 of 16) (U = 1/2)	--	12745	11012	12261	16956	8334	9522
Total PAH (16) (U = 0)	--	95985	74122	73131	111506	66454	73252
Total PAH (16) (U = 1/2)	--	95985	74122	73131	111506	66454	73252
Alkylated Polycyclic Aromatic Hydrocarbons (µg/kg)							
C1-Benzo(a)anthracenes/chrysenes	SW8270CMSIM	9540	7760	7470	12000	4980	4360
C1-Benzo(b)thiophenes	SW8270CMSIM	246	171	212	246	119	92.4
C1-Decalins	SW8270CMSIM	2340	1080	1190	2270	422	183
C1-Dibenzothiophenes	SW8270CMSIM	1950	746	1000	1890	475	577
C1-Fluoranthenes/Pyrenes	SW8270CMSIM	16100	12200	13200	21300	8460	7220
C1-Fluorenes	SW8270CMSIM	1100	644	820	1280	402	338
C1-Naphthalenes	SW8270CMSIM	1320	1130	1300	1760	561	591
C1-Phenanthrenes/Anthracenes	SW8270CMSIM	5020	3310	3460	5800	2600	2760
C2-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	9360	7550	6850	11300	4390	3870
C2-Benzo(b)thiophenes	SW8270CMSIM	298	194	260	317	97.9	86.3
C2-Decalins	SW8270CMSIM	7470	3990	4330	7990	1380	839
C2-Dibenzothiophenes	SW8270CMSIM	8010	2720	4030	7220	1510	944
C2-Fluorenes	SW8270CMSIM	6160	2180	2960	6330	1230	790
C2-Naphthalenes	SW8270CMSIM	1560	1230	1290	1840	680	656

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2162	Spring Surface Sediment 2163	Spring Surface Sediment 2164	Spring Surface Sediment 2165	Spring Surface Sediment 2166	Spring Surface Sediment 2167
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		2.56	2.56	2.61	2.62	2.63	2.70573
Location ID		NC073SG_20120504	NC074SG_20120504	NC075SG_20120504	NC076SG_20120504	NC077SG_20120504	NC084SG_20120711
Sample ID		NC073SG-000015-20120504	NC074SG-000015-20120504	NC075SG-000015-20120504	NC076SG-000015-20120504	NC077SG-000012-20120504	NC084SG-000015-20120711
Sample Date		5/4/2012	5/4/2012	5/4/2012	5/4/2012	5/4/2012	7/11/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 12 cm	0 - 15 cm
Water Column Depth		21.3	9	19.5	18.3	3.9	7.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
C2-Phenanthrenes/Anthracenes	SW8270CMSIM	14100	5620	7780	13400	3970	2850
C3-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	7700	6310	5340	8740	3760	3410
C3-Benzo(b)thiophenes	SW8270CMSIM	752	499	547	820	261	191
C3-Decalins	SW8270CMSIM	6810	4220	4250	7290	1390	877
C3-Dibenzothiophenes	SW8270CMSIM	8800	4960	5460	9230	2390	1400
C3-Fluorenes	SW8270CMSIM	10200	5100	5760	10600	2490	1400
C3-Naphthalenes	SW8270CMSIM	2150	1310	1660	1900	1080	620
C3-Phenanthrenes/Anthracenes	SW8270CMSIM	14400	7130	8840	14700	4010	2130
C4-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	3800	3240	2580	4030	2040	1720
C4-Benzo(b)thiophenes	SW8270CMSIM	947	584	596	953	291	187
C4-Decalins	SW8270CMSIM	12100	7490	7430	12300	2850	1650
C4-Dibenzothiophenes	SW8270CMSIM	4670	3400	3180	5290	1760	1110
C4-Naphthalenes	SW8270CMSIM	5160	2300	3530	3930	2040	718
C4-Phenanthrenes/Anthracenes	SW8270CMSIM	7160	4650	4560	7560	2340	1670
n-Alkanes and Isoprenoids (µg/kg)							
2,6,10-Trimethyldodecane	SW8015M	2800 J	7140 U	1570 J	1820 J	4670 U	3760 U
2,6,10-Trimethyltridecane	SW8015M	13800 J	7710 J	8690 J	13400 J	3480 J	2550 J
n-Decane (C10)	SW8015M	7940 U	7140 U	4880 U	6590 U	4670 U	3760 U
n-Docosane (C22)	SW8015M	7940 U	7140 U	4080 J	6640	2160 J	3760 U
n-Dodecane (C12)	SW8015M	2010 J	7140 U	1620 J	2510 J	4670 U	3760 U
n-Dotriacontane (C32)	SW8015M	7940 U	7140 U	4880 U	6590 U	1550 J	2030 J
n-Eicosane (C20)	SW8015M	7940 U	7140 U	4880 U	6590 U	4670 U	3760 U
n-Heneicosane (C21)	SW8015M	3360 J	2690 J	1880 J	3070 J	1260 J	3760 U
n-Hentriacontane (C31)	SW8015M	24500	22300	16800	23700	15700	11400
n-Heptacosane (C27)	SW8015M	6480 J	5570 J	4270 J	5180 J	3450 J	3030 J
n-Heptadecane (C17)	SW8015M	7940 U	7140 U	1710 J	6590 U	4670 U	3760 U
n-Heptatriacontane (C37)	SW8015M	2850 J	7140 U	4880 U	6590 U	4670 U	3760 U
n-Hexacosane (C26)	SW8015M	5320 J	3640 J	2970 J	4500 J	1820 J	947 J
n-Hexadecane (C16)	SW8015M	7940 U	7140 U	4880 U	6590 U	4670 U	3760 U
n-Hexatriacontane (C36)	SW8015M	6560 J	3120 J	2530 J	6590 U	2170 J	1960 J
n-Nonacosane (C29)	SW8015M	7940 U	7140 U	3260 J	6590 U	4670 U	6670
n-Nonadecane (C19)	SW8015M	7940 U	7140 U	4880 U	6590 U	4670 U	3760 U
n-Nonane (C9)	SW8015M	7940 U	7140 U	4880 U	6590 U	4670 U	3760 U

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2162	Spring Surface Sediment 2163	Spring Surface Sediment 2164	Spring Surface Sediment 2165	Spring Surface Sediment 2166	Spring Surface Sediment 2167
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		2.56	2.56	2.61	2.62	2.63	2.70573
Location ID		NC073SG_20120504	NC074SG_20120504	NC075SG_20120504	NC076SG_20120504	NC077SG_20120504	NC084SG_20120711
Sample ID		NC073SG-000015-20120504	NC074SG-000015-20120504	NC075SG-000015-20120504	NC076SG-000015-20120504	NC077SG-000012-20120504	NC084SG-000015-20120711
Sample Date		5/4/2012	5/4/2012	5/4/2012	5/4/2012	5/4/2012	7/11/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 12 cm	0 - 15 cm
Water Column Depth		21.3	9	19.5	18.3	3.9	7.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
n-Nonatriacontane (C39)	SW8015M	7940 U	7140 U	4880 U	2950 J	4670 U	3760 U
n-Octacosane (C28)	SW8015M	7940 U	2580 J	3840 J	4800 J	2580 J	3760 U
n-Octadecane (C18)	SW8015M	3030 J	4260 J	3880 J	3500 J	3520 J	3970 J
n-Octatriacontane (C38)	SW8015M	3740 J	2770 J	2280 J	2850 J	1860 J	1680 J
Norpristane	SW8015M	7220 J	2950 J	3910 J	5770 J	1600 J	3760 U
n-Pentacosane (C25)	SW8015M	19600 J	12800 J	11600 J	19700 J	9040 J	8810 J
n-Pentadecane (C15)	SW8015M	5150 J	1960 J	2860 J	4980 J	1190 J	3760 U
n-Pentatriacontane (C35)	SW8015M	5650 J	4670 J	3610 J	5070 J	2990 J	2420 J
n-Tetracontane (C40)	SW8015M	7940 U	7140 U	1860 J	6590 U	4670 U	3760 U
n-Tetracosane (C24)	SW8015M	7940 U	7140 U	4880 U	6590 U	4670 U	3760 U
n-Tetradecane (C14)	SW8015M	3430 J	2270 J	2440 J	3840 J	896 J	3760 U
n-Tetratriacontane (C34)	SW8015M	7940 U	7140 U	2860 J	6590 U	4670 U	4340
n-Triacontane (C30)	SW8015M	4090 J	3690 J	3650 J	4540 J	2730 J	1780 J
n-Tricosane (C23)	SW8015M	4640 J	3020 J	3360 J	5770 J	2150 J	1450 J
n-Tridecane (C13)	SW8015M	2230 J	7140 U	1830 J	2930 J	4670 U	3760 U
n-Tritriacontane (C33)	SW8015M	5760 J	4350 J	3880 J	4500 J	3800 J	2620 J
n-Undecane (C11)	SW8015M	3400 J	7140 U	2020 J	3580 J	4670 U	3760 U
Pesticides (µg/kg)							
2,4'-DDD (o,p'-DDD)	SW8081A	19 J	15 J	0.37 U	0.32 U	7.6 J	2.4 U
2,4'-DDE (o,p'-DDE)	SW8081A	19 J	13 J	12 J	7.5 J	6.4 J	41
2,4'-DDT (o,p'-DDT)	SW8081A	0.33 U	0.33 U	0.37 U	0.32 U	0.25 U	2.4 U
4,4'-DDD (p,p'-DDD)	SW8081A	50	52	46	63	22	21
4,4'-DDE (p,p'-DDE)	SW8081A	33 J	33 J	45	46 J	10 J	16 J
4,4'-DDT (p,p'-DDT)	SW8081A	12	6.4 J	11	4.2 J	6.6	3.2 J
Aldrin	SW8081A	1.6 J	0.24 J	0.099 J	0.078 J	0.11 J	3.2 J
alpha-Hexachlorocyclohexane (BHC)	SW8081A	0.15 J	0.067 J	0.41 J	0.11 J	0.25 U	-- R
Chlordane, alpha- (cis-Chlordane)	SW8081A	0.33 U	48	45	45 J	15 J	32 J
Chlordane, beta- (trans-Chlordane)	SW8081A	0.33 U	0.33 U	0.37 U	0.32 U	0.25 U	49 J
delta-Hexachlorocyclohexane (BHC)	SW8081A	1.4 J	0.33 U	0.37 U	0.34 J	0.25 U	0.79 J
Dieldrin	SW8081A	15	12	13	11 J	6.1	6.4 J
Endosulfan sulfate	SW8081A	2.2 J	1.6 J	1.5 J	1.1 J	1.8 J	2.4 U
Endosulfan-alpha (I)	SW8081A	0.33 U	0.33 U	0.37 U	0.32 U	0.25 U	2.4 UJ
Endosulfan-beta (II)	SW8081A	0.33 U	0.29 J	4.5	0.32 U	0.25 U	0.87 J

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2162	Spring Surface Sediment 2163	Spring Surface Sediment 2164	Spring Surface Sediment 2165	Spring Surface Sediment 2166	Spring Surface Sediment 2167
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	2.56	2.56	2.61	2.62	2.63	2.70573
		Location ID	NC073SG_20120504	NC074SG_20120504	NC075SG_20120504	NC076SG_20120504	NC077SG_20120504	NC084SG_20120711
		Sample ID	NC073SG-000015-20120504	NC074SG-000015-20120504	NC075SG-000015-20120504	NC076SG-000015-20120504	NC077SG-000012-20120504	NC084SG-000015-20120711
		Sample Date	5/4/2012	5/4/2012	5/4/2012	5/4/2012	5/4/2012	7/11/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 12 cm	0 - 15 cm
		Water Column Depth	21.3	9	19.5	18.3	3.9	7.7
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
Endrin	SW8081A		5.9	1.7 J	6.1	4.7 J	3.5	5
Endrin aldehyde	SW8081A		2.4 J	0.17 J	0.37 UJ	0.13 J	0.25 UJ	0.58 J
Endrin ketone	SW8081A		4.3 J	1.6 J	3.9 J	3.8 J	0.25 UJ	2.4 UJ
Heptachlor	SW8081A		0.33 U	0.33 U	0.37 U	0.32 U	0.25 U	2.4 J
Heptachlor epoxide	SW8081A		2.5 J	1.2 J	3.3 J	2 J	0.35 J	5.1 J
Hexachlorobenzene	SW8081A		4.1	3.5	2.6	4.5 J	0.083 J	1.7
Hexachlorocyclohexane, beta- (BHC)	SW8081A		1.5	1.9	0.81 J	0.32 U	0.88	2.4 UJ
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	SW8081A		0.33 U	1.2 J	0.37 U	0.14 J	0.25 U	1.2 J
Methoxychlor	SW8081A		0.66 U	0.66 U	0.74 U	0.64 U	0.51 U	4.8 U
Mirex	SW8081A		0.33 U	0.3 J	0.37 U	0.32 U	0.25 U	0.36 J
Nonachlor, cis-	SW8081A		4.8 J	4.6 J	4.6 J	3.7 J	2.6 J	3.4
Nonachlor, trans-	SW8081A		0.11 J	5.1 J	7.5 J	9.3 J	2.1 J	2.4 U
Oxychlordane	SW8081A		0.33 U	0.33 U	0.37 U	0.32 U	0.97 J	0.45 J
Sum DDD (U = 0)	--		69 J	67 J	46	63	29.6 J	21
Sum DDD (U = 1/2)	--		69 J	67 J	46.19	63.16	29.6 J	22.2
Sum DDE (U = 0)	--		52 J	46 J	57 J	53.5 J	16.4 J	57 J
Sum DDE (U = 1/2)	--		52 J	46 J	57 J	53.5 J	16.4 J	57 J
Sum DDT (U = 0)	--		12	6.4 J	11	4.2 J	6.6	3.2 J
Sum DDT (U = 1/2)	--		12.16	6.57 J	11.19	4.36 J	6.72	4.4 J
Total chlordanes (U = 0)	--		4.91 J	57.7 J	57.1 J	58 J	20.67 J	84.85 J
Total chlordanes (U = 1/2)	--		5.41 J	58.03 J	57.47 J	58.32 J	20.8 J	86.05 J
Total DDx (U = 0)	--		133 J	119.4 J	114 J	120.7 J	52.6 J	81.2 J
Total DDx (U = 1/2)	--		133.17 J	119.57 J	114.37 J	121.02 J	52.73 J	83.6 J
Toxaphene	SW8081A		13 U	13 U	15 U	13 U	10 U	97 U
Pesticides - High Resolution (µg/kg)								
2,4'-DDD (o,p'-DDD)	E1699		--	--	40	--	--	--
2,4'-DDE (o,p'-DDE)	E1699		--	--	6.6	--	--	--
2,4'-DDT (o,p'-DDT)	E1699		--	--	1.4 U	--	--	--
4,4'-DDD (p,p'-DDD)	E1699		--	--	94	--	--	--
4,4'-DDE (p,p'-DDE)	E1699		--	--	110	--	--	--
4,4'-DDT (p,p'-DDT)	E1699		--	--	10	--	--	--
Aldrin	E1699		--	--	0.48 U	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2162	Spring Surface Sediment 2163	Spring Surface Sediment 2164	Spring Surface Sediment 2165	Spring Surface Sediment 2166	Spring Surface Sediment 2167
Task		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
Tributary		2.56	2.56	2.61	2.62	2.63	2.70573
River Mile		NC073SG_20120504	NC074SG_20120504	NC075SG_20120504	NC076SG_20120504	NC077SG_20120504	NC084SG_20120711
Location ID		NC073SG-000015-20120504	NC074SG-000015-20120504	NC075SG-000015-20120504	NC076SG-000015-20120504	NC077SG-000012-20120504	NC084SG-000015-20120711
Sample ID		5/4/2012	5/4/2012	5/4/2012	5/4/2012	5/4/2012	7/11/2012
Sample Date		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 12 cm	0 - 15 cm
Sample Depth		21.3	9	19.5	18.3	3.9	7.7
Water Column Depth		N	N	N	N	N	N
Sample Type		SE	SE	SE	SE	SE	SE
Matrix							
alpha-Hexachlorocyclohexane (BHC)	E1699	--	--	0.35 U	--	--	--
Chlordane, alpha- (cis-Chlordane)	E1699	--	--	94	--	--	--
Chlordane, beta- (trans-Chlordane)	E1699	--	--	120	--	--	--
delta-Hexachlorocyclohexane (BHC)	E1699	--	--	0.59 U	--	--	--
Dieldrin	E1699	--	--	32	--	--	--
Endosulfan sulfate	E1699	--	--	0.4 U	--	--	--
Endosulfan-alpha (I)	E1699	--	--	2 U	--	--	--
Endosulfan-beta (II)	E1699	--	--	3.5 U	--	--	--
Endrin	E1699	--	--	1.3 U	--	--	--
Endrin aldehyde	E1699	--	--	1.5 U	--	--	--
Endrin ketone	E1699	--	--	0.94 U	--	--	--
Heptachlor	E1699	--	--	0.3 U	--	--	--
Heptachlor epoxide	E1699	--	--	1 J	--	--	--
Hexachlorobenzene	E1699	--	--	11	--	--	--
Hexachlorocyclohexane, beta- (BHC)	E1699	--	--	0.42 U	--	--	--
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	E1699	--	--	0.36 U	--	--	--
Methoxychlor	E1699	--	--	2.3 U	--	--	--
Mirex	E1699	--	--	0.99 J	--	--	--
Nonachlor, cis-	E1699	--	--	20	--	--	--
Nonachlor, trans-	E1699	--	--	47	--	--	--
Oxychlordane	E1699	--	--	0.46 U	--	--	--
Sum DDD high resolution (U = 0)	--	--	--	134	--	--	--
Sum DDD high resolution (U = 1/2)	--	--	--	134	--	--	--
Sum DDE high resolution (U = 0)	--	--	--	116.6	--	--	--
Sum DDE high resolution (U = 1/2)	--	--	--	116.6	--	--	--
Sum DDT high resolution (U = 0)	--	--	--	10	--	--	--
Sum DDT high resolution (U = 1/2)	--	--	--	10.7	--	--	--
Total chlordane high resolution (U = 0)	--	--	--	281	--	--	--
Total chlordane high resolution (U = 1/2)	--	--	--	281.23	--	--	--
Total DDx high resolution (U = 0)	--	--	--	260.6	--	--	--
Total DDx high resolution (U = 1/2)	--	--	--	261.3	--	--	--
Toxaphene	E1699	--	--	52 U	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2162	Spring Surface Sediment 2163	Spring Surface Sediment 2164	Spring Surface Sediment 2165	Spring Surface Sediment 2166	Spring Surface Sediment 2167
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		2.56	2.56	2.61	2.62	2.63	2.70573
Location ID		NC073SG_20120504	NC074SG_20120504	NC075SG_20120504	NC076SG_20120504	NC077SG_20120504	NC084SG_20120711
Sample ID		NC073SG-000015-20120504	NC074SG-000015-20120504	NC075SG-000015-20120504	NC076SG-000015-20120504	NC077SG-000012-20120504	NC084SG-000015-20120711
Sample Date		5/4/2012	5/4/2012	5/4/2012	5/4/2012	5/4/2012	7/11/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 12 cm	0 - 15 cm
Water Column Depth		21.3	9	19.5	18.3	3.9	7.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Herbicides (µg/kg)							
2,2-Dichloropropionic acid (dalapon)	SW8151A	360 UJ	360 UJ	400 UJ	350 UJ	280 UJ	260 U
2,4,5-T (2,4,5-trichlorophenoxyacetic acid)	SW8151A	80 U	80 U	89 U	77 U	61 U	58 U
2,4,5-TP (Silvex)	SW8151A	80 U	80 U	89 U	77 U	61 U	58 U
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	320 U	320 U	360 U	310 U	240 U	230 U
2,4-DB (2,4-D derivative)	SW8151A	320 UJ	320 UJ	360 UJ	310 UJ	240 UJ	230 U
Dicamba	SW8151A	160 U	160 U	180 U	150 U	120 U	120 U
Dichlorprop	SW8151A	100 J	55 J	73 J	310 U	240 U	230 U
Dinoseb	SW8151A	48 U	48 U	53 U	46 U	37 U	35 UJ
Mecoprop (MCP)	SW8151A	32000 U	32000 U	36000 U	31000 U	24000 U	23000 U
Mephanac (MCPA)	SW8151A	32000 U	32000 U	36000 U	31000 U	24000 U	23000 U
Dioxin Furans (ng/kg)							
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	--	--	13.6	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	--	--	26.4	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	--	35.4	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	--	111	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	--	76.4	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B	--	--	1800	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B	--	--	16900	--	--	--
Total tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	--	--	280 J	--	--	--
Total pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	--	--	307	--	--	--
Total hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	--	1020	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task Tributary River Mile Location ID Sample ID Sample Date Sample Depth Water Column Depth Sample Type Matrix	Spring Surface Sediment 2162 Newtown Creek 2.56 NC073SG_20120504 NC073SG-000015-20120504 5/4/2012 0 - 15 cm 21.3 N SE	Spring Surface Sediment 2163 Newtown Creek 2.56 NC074SG_20120504 NC074SG-000015-20120504 5/4/2012 0 - 15 cm 9 N SE	Spring Surface Sediment 2164 Newtown Creek 2.61 NC075SG_20120504 NC075SG-000015-20120504 5/4/2012 0 - 15 cm 19.5 N SE	Spring Surface Sediment 2165 Newtown Creek 2.62 NC076SG_20120504 NC076SG-000015-20120504 5/4/2012 0 - 15 cm 18.3 N SE	Spring Surface Sediment 2166 Newtown Creek 2.63 NC077SG_20120504 NC077SG-000012-20120504 5/4/2012 0 - 12 cm 3.9 N SE	Spring Surface Sediment 2167 Newtown Creek 2.70573 NC084SG_20120711 NC084SG-000015-20120711 7/11/2012 0 - 15 cm 7.7 N SE
Total heptachlorodibenzo-p-dioxin (HpCDD)	E1613B	--	--	--	3770	--	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B	--	--	--	54	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B	--	--	--	163	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B	--	--	--	116	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B	--	--	--	531	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B	--	--	--	294 J	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B	--	--	--	34	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B	--	--	--	123	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B	--	--	--	2940	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B	--	--	--	85.6	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B	--	--	--	3270	--	--	--
Total tetrachlorodibenzofuran (TCDF)	E1613B	--	--	--	1730 J	--	--	--
Total pentachlorodibenzofuran (PeCDF)	E1613B	--	--	--	2280 J	--	--	--
Total hexachlorodibenzofuran (HxCDF)	E1613B	--	--	--	3100 J	--	--	--
Total heptachlorodibenzofuran (HpCDF)	E1613B	--	--	--	3910	--	--	--
Total dioxin/furan TEQ 1998 (avian) (U = 0)	--	--	--	--	369.1 J	--	--	--
Total dioxin/furan TEQ 1998 (avian) (U = 1/2)	--	--	--	--	369.1 J	--	--	--
Total dioxin/furan TEQ 1998 (fish) (U = 0)	--	--	--	--	260.7 J	--	--	--
Total dioxin/furan TEQ 1998 (fish) (U = 1/2)	--	--	--	--	260.7 J	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2162	Spring Surface Sediment 2163	Spring Surface Sediment 2164	Spring Surface Sediment 2165	Spring Surface Sediment 2166	Spring Surface Sediment 2167
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		2.56	2.56	2.61	2.62	2.63	2.70573
Location ID		NC073SG_20120504	NC074SG_20120504	NC075SG_20120504	NC076SG_20120504	NC077SG_20120504	NC084SG_20120711
Sample ID		NC073SG-000015-20120504	NC074SG-000015-20120504	NC075SG-000015-20120504	NC076SG-000015-20120504	NC077SG-000012-20120504	NC084SG-000015-20120711
Sample Date		5/4/2012	5/4/2012	5/4/2012	5/4/2012	5/4/2012	7/11/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 12 cm	0 - 15 cm
Water Column Depth		21.3	9	19.5	18.3	3.9	7.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total dioxin/furan TEQ 2005 (mammal) (U = 0)	--	--	--	259.9 J	--	--	--
Total dioxin/furan TEQ 2005 (mammal) (U = 1/2)	--	--	--	259.9 J	--	--	--
PCB Aroclors (µg/kg)							
Aroclor 1016	SW8082A	83 U	83 U	19 U	16 U	13 U	12 U
Aroclor 1221	SW8082A	83 U	83 U	19 U	16 U	13 U	12 U
Aroclor 1232	SW8082A	83 U	83 U	19 U	16 U	13 U	12 U
Aroclor 1242	SW8082A	2100	2600	1500	1700	1200	390
Aroclor 1248	SW8082A	83 U	83 U	19 U	16 U	13 U	12 U
Aroclor 1254	SW8082A	2400	3100	1800	1900	1400	1500
Aroclor 1260	SW8082A	83 U	83 U	19 U	16 U	13 U	12 U
Aroclor 1262	SW8082A	83 U	83 U	19 U	16 U	13 U	12 U
Aroclor 1268	SW8082A	83 U	83 U	19 U	16 U	13 U	12 U
Total PCB Aroclors (U = 0)	--	4500	5700	3300	3600	2600	1890
Total PCB Aroclors (U = 1/2)	--	4790.5	5990.5	3366.5	3656	2645.5	1932
PCB Congeners (ng/kg)							
PCB-001	E1668B	--	--	5090	--	--	--
PCB-002	E1668B	--	--	1250	--	--	--
PCB-003	E1668B	--	--	10500	--	--	--
PCB-004	E1668B	--	--	10200	--	--	--
PCB-005	E1668B	--	--	878	--	--	--
PCB-006	E1668B	--	--	9150	--	--	--
PCB-007	E1668B	--	--	2210	--	--	--
PCB-008	E1668B	--	--	33700 J	--	--	--
PCB-009	E1668B	--	--	2690	--	--	--
PCB-010	E1668B	--	--	982	--	--	--
PCB-011	E1668B	--	--	3620	--	--	--
PCB-012/013	E1668B	--	--	7980	--	--	--
PCB-014	E1668B	--	--	21.6 U	--	--	--
PCB-015	E1668B	--	--	44500 J	--	--	--
PCB-016	E1668B	--	--	28800 J	--	--	--
PCB-017	E1668B	--	--	34400 J	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2162	Spring Surface Sediment 2163	Spring Surface Sediment 2164	Spring Surface Sediment 2165	Spring Surface Sediment 2166	Spring Surface Sediment 2167
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
		River Mile	2.56	2.56	2.61	2.62	2.63	2.70573
		Location ID	NC073SG_20120504	NC074SG_20120504	NC075SG_20120504	NC076SG_20120504	NC077SG_20120504	NC084SG_20120711
		Sample ID	NC073SG-000015-20120504	NC074SG-000015-20120504	NC075SG-000015-20120504	NC076SG-000015-20120504	NC077SG-000012-20120504	NC084SG-000015-20120711
		Sample Date	5/4/2012	5/4/2012	5/4/2012	5/4/2012	5/4/2012	7/11/2012
		Sample Depth	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 12 cm	0 - 15 cm
		Water Column Depth	21.3	9	19.5	18.3	3.9	7.7
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-018/030	E1668B	--	--	--	61000 J	--	--	--
PCB-019	E1668B	--	--	--	5780	--	--	--
PCB-020/028	E1668B	--	--	--	134000 J	--	--	--
PCB-021/033	E1668B	--	--	--	53700 J	--	--	--
PCB-022	E1668B	--	--	--	40100 J	--	--	--
PCB-023	E1668B	--	--	--	7.55 U	--	--	--
PCB-024	E1668B	--	--	--	8.94 U	--	--	--
PCB-025	E1668B	--	--	--	15200	--	--	--
PCB-026/029	E1668B	--	--	--	21200	--	--	--
PCB-027	E1668B	--	--	--	5570	--	--	--
PCB-031	E1668B	--	--	--	124000 J	--	--	--
PCB-032	E1668B	--	--	--	22500 J	--	--	--
PCB-034	E1668B	--	--	--	676	--	--	--
PCB-035	E1668B	--	--	--	2970	--	--	--
PCB-036	E1668B	--	--	--	18.1 U	--	--	--
PCB-037	E1668B	--	--	--	39600 J	--	--	--
PCB-038	E1668B	--	--	--	19.4 U	--	--	--
PCB-039	E1668B	--	--	--	17.9 U	--	--	--
PCB-040/071	E1668B	--	--	--	43300 J	--	--	--
PCB-041	E1668B	--	--	--	21200 J	--	--	--
PCB-042	E1668B	--	--	--	35100 J	--	--	--
PCB-043	E1668B	--	--	--	3950	--	--	--
PCB-044/047/065	E1668B	--	--	--	121000 J	--	--	--
PCB-045	E1668B	--	--	--	--	--	--	--
PCB-045/051	E1668B	--	--	--	24400	--	--	--
PCB-046	E1668B	--	--	--	7630	--	--	--
PCB-048	E1668B	--	--	--	27700 J	--	--	--
PCB-049/069	E1668B	--	--	--	82200 J	--	--	--
PCB-050/053	E1668B	--	--	--	16900	--	--	--
PCB-051	E1668B	--	--	--	--	--	--	--
PCB-052	E1668B	--	--	--	159000 J	--	--	--
PCB-054	E1668B	--	--	--	363	--	--	--
PCB-055	E1668B	--	--	--	22.4 U	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2162	Spring Surface Sediment 2163	Spring Surface Sediment 2164	Spring Surface Sediment 2165	Spring Surface Sediment 2166	Spring Surface Sediment 2167
Task		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
Tributary		2.56	2.56	2.61	2.62	2.63	2.70573
River Mile		NC073SG_20120504	NC074SG_20120504	NC075SG_20120504	NC076SG_20120504	NC077SG_20120504	NC084SG_20120711
Location ID		NC073SG-000015-20120504	NC074SG-000015-20120504	NC075SG-000015-20120504	NC076SG-000015-20120504	NC077SG-000012-20120504	NC084SG-000015-20120711
Sample ID		5/4/2012	5/4/2012	5/4/2012	5/4/2012	5/4/2012	7/11/2012
Sample Date		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 12 cm	0 - 15 cm
Sample Depth		21.3	9	19.5	18.3	3.9	7.7
Water Column Depth		N	N	N	N	N	N
Sample Type		SE	SE	SE	SE	SE	SE
Matrix							
PCB-056	E1668B	--	--	53700 J	--	--	--
PCB-057	E1668B	--	--	3300	--	--	--
PCB-058	E1668B	--	--	22.9 U	--	--	--
PCB-059/062/075	E1668B	--	--	9090	--	--	--
PCB-060	E1668B	--	--	29700 J	--	--	--
PCB-061/070/074/076	E1668B	--	--	206000 J	--	--	--
PCB-063	E1668B	--	--	4380	--	--	--
PCB-064	E1668B	--	--	51400 J	--	--	--
PCB-066	E1668B	--	--	108000 J	--	--	--
PCB-067	E1668B	--	--	4890	--	--	--
PCB-068	E1668B	--	--	481	--	--	--
PCB-072	E1668B	--	--	841	--	--	--
PCB-073	E1668B	--	--	12.4 U	--	--	--
PCB-077	E1668B	--	--	11700	--	--	--
PCB-078	E1668B	--	--	23.5 U	--	--	--
PCB-079	E1668B	--	--	1010 J	--	--	--
PCB-080	E1668B	--	--	21.3 U	--	--	--
PCB-081	E1668B	--	--	478	--	--	--
PCB-082	E1668B	--	--	20100 J	--	--	--
PCB-083	E1668B	--	--	9590	--	--	--
PCB-084	E1668B	--	--	38700 J	--	--	--
PCB-085/116	E1668B	--	--	--	--	--	--
PCB-085/116/117	E1668B	--	--	26300	--	--	--
PCB-086/087/097/108/119/125	E1668B	--	--	113000 J	--	--	--
PCB-088	E1668B	--	--	--	--	--	--
PCB-088/091	E1668B	--	--	23400	--	--	--
PCB-089	E1668B	--	--	32.1 U	--	--	--
PCB-090/101/113	E1668B	--	--	170000 J	--	--	--
PCB-091	E1668B	--	--	--	--	--	--
PCB-092	E1668B	--	--	27500 J	--	--	--
PCB-093/100	E1668B	--	--	30.9 U	--	--	--
PCB-094	E1668B	--	--	822	--	--	--
PCB-095	E1668B	--	--	109000 J	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2162	Spring Surface Sediment 2163	Spring Surface Sediment 2164	Spring Surface Sediment 2165	Spring Surface Sediment 2166	Spring Surface Sediment 2167
Task		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
Tributary		2.56	2.56	2.61	2.62	2.63	2.70573
River Mile		NC073SG_20120504	NC074SG_20120504	NC075SG_20120504	NC076SG_20120504	NC077SG_20120504	NC084SG_20120711
Location ID		NC073SG-000015-20120504	NC074SG-000015-20120504	NC075SG-000015-20120504	NC076SG-000015-20120504	NC077SG-000012-20120504	NC084SG-000015-20120711
Sample ID		5/4/2012	5/4/2012	5/4/2012	5/4/2012	5/4/2012	7/11/2012
Sample Date		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 12 cm	0 - 15 cm
Sample Depth		21.3	9	19.5	18.3	3.9	7.7
Water Column Depth		N	N	N	N	N	N
Sample Type		SE	SE	SE	SE	SE	SE
Matrix							
PCB-096	E1668B	--	--	1410	--	--	--
PCB-098	E1668B	--	--	--	--	--	--
PCB-098/102	E1668B	--	--	5700 J	--	--	--
PCB-099	E1668B	--	--	90700 J	--	--	--
PCB-102	E1668B	--	--	--	--	--	--
PCB-103	E1668B	--	--	1330	--	--	--
PCB-104	E1668B	--	--	71.6	--	--	--
PCB-105	E1668B	--	--	59600 J	--	--	--
PCB-106	E1668B	--	--	44.6 U	--	--	--
PCB-107/124	E1668B	--	--	6180	--	--	--
PCB-109	E1668B	--	--	10500	--	--	--
PCB-110	E1668B	--	--	--	--	--	--
PCB-110/115	E1668B	--	--	183000 J	--	--	--
PCB-111	E1668B	--	--	1540	--	--	--
PCB-112	E1668B	--	--	19.2 U	--	--	--
PCB-114	E1668B	--	--	4080	--	--	--
PCB-115	E1668B	--	--	--	--	--	--
PCB-117	E1668B	--	--	--	--	--	--
PCB-118	E1668B	--	--	154000 J	--	--	--
PCB-120	E1668B	--	--	210	--	--	--
PCB-121	E1668B	--	--	21.8 U	--	--	--
PCB-122	E1668B	--	--	1950	--	--	--
PCB-123	E1668B	--	--	2980 J	--	--	--
PCB-126	E1668B	--	--	1600	--	--	--
PCB-127	E1668B	--	--	48.2 U	--	--	--
PCB-128/166	E1668B	--	--	26800	--	--	--
PCB-129/138/163	E1668B	--	--	178000 J	--	--	--
PCB-130	E1668B	--	--	10300	--	--	--
PCB-131	E1668B	--	--	2700	--	--	--
PCB-132	E1668B	--	--	54900 J	--	--	--
PCB-133	E1668B	--	--	2400	--	--	--
PCB-134	E1668B	--	--	8570	--	--	--
PCB-135/151	E1668B	--	--	53700 J	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2162	Spring Surface Sediment 2163	Spring Surface Sediment 2164	Spring Surface Sediment 2165	Spring Surface Sediment 2166	Spring Surface Sediment 2167
Task		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
Tributary		2.56	2.56	2.61	2.62	2.63	2.70573
River Mile		NC073SG_20120504	NC074SG_20120504	NC075SG_20120504	NC076SG_20120504	NC077SG_20120504	NC084SG_20120711
Location ID		NC073SG-000015-20120504	NC074SG-000015-20120504	NC075SG-000015-20120504	NC076SG-000015-20120504	NC077SG-000012-20120504	NC084SG-000015-20120711
Sample ID		5/4/2012	5/4/2012	5/4/2012	5/4/2012	5/4/2012	7/11/2012
Sample Date		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 12 cm	0 - 15 cm
Sample Depth		21.3	9	19.5	18.3	3.9	7.7
Water Column Depth		N	N	N	N	N	N
Sample Type		SE	SE	SE	SE	SE	SE
Matrix							
PCB-136	E1668B	--	--	21400 J	--	--	--
PCB-137	E1668B	--	--	8180	--	--	--
PCB-139/140	E1668B	--	--	2840	--	--	--
PCB-141	E1668B	--	--	33800 J	--	--	--
PCB-142	E1668B	--	--	30.1 U	--	--	--
PCB-143	E1668B	--	--	27.2 U	--	--	--
PCB-144	E1668B	--	--	8630	--	--	--
PCB-145	E1668B	--	--	62.9	--	--	--
PCB-146	E1668B	--	--	25200 J	--	--	--
PCB-147/149	E1668B	--	--	141000 J	--	--	--
PCB-148	E1668B	--	--	12.2 U	--	--	--
PCB-150	E1668B	--	--	372	--	--	--
PCB-152	E1668B	--	--	174	--	--	--
PCB-153/168	E1668B	--	--	145000 J	--	--	--
PCB-154	E1668B	--	--	2160	--	--	--
PCB-155	E1668B	--	--	47.9	--	--	--
PCB-156/157	E1668B	--	--	23100	--	--	--
PCB-158	E1668B	--	--	18600 J	--	--	--
PCB-159	E1668B	--	--	30.2 U	--	--	--
PCB-160	E1668B	--	--	23.8 U	--	--	--
PCB-161	E1668B	--	--	20.5 U	--	--	--
PCB-162	E1668B	--	--	28 U	--	--	--
PCB-164	E1668B	--	--	12500	--	--	--
PCB-165	E1668B	--	--	23.8 U	--	--	--
PCB-167	E1668B	--	--	7490	--	--	--
PCB-169	E1668B	--	--	231	--	--	--
PCB-170	E1668B	--	--	38800 J	--	--	--
PCB-171/173	E1668B	--	--	11800	--	--	--
PCB-172	E1668B	--	--	6400	--	--	--
PCB-174	E1668B	--	--	42200 J	--	--	--
PCB-175	E1668B	--	--	1730	--	--	--
PCB-176	E1668B	--	--	4860	--	--	--
PCB-177	E1668B	--	--	21900 J	--	--	--

Table A4-2
Surface Sediment Analytical Results

		Spring Surface Sediment 2162	Spring Surface Sediment 2163	Spring Surface Sediment 2164	Spring Surface Sediment 2165	Spring Surface Sediment 2166	Spring Surface Sediment 2167
Task		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
Tributary		2.56	2.56	2.61	2.62	2.63	2.70573
River Mile		NC073SG_20120504	NC074SG_20120504	NC075SG_20120504	NC076SG_20120504	NC077SG_20120504	NC084SG_20120711
Location ID		NC073SG-000015-20120504	NC074SG-000015-20120504	NC075SG-000015-20120504	NC076SG-000015-20120504	NC077SG-000012-20120504	NC084SG-000015-20120711
Sample ID		5/4/2012	5/4/2012	5/4/2012	5/4/2012	5/4/2012	7/11/2012
Sample Date		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 12 cm	0 - 15 cm
Sample Depth		21.3	9	19.5	18.3	3.9	7.7
Water Column Depth		N	N	N	N	N	N
Sample Type		SE	SE	SE	SE	SE	SE
Matrix							
PCB-178	E1668B	--	--	7650	--	--	--
PCB-179	E1668B	--	--	16800	--	--	--
PCB-180/193	E1668B	--	--	86900 J	--	--	--
PCB-181	E1668B	--	--	299 J	--	--	--
PCB-182	E1668B	--	--	18.6 U	--	--	--
PCB-183	E1668B	--	--	--	--	--	--
PCB-183/185	E1668B	--	--	24500	--	--	--
PCB-184	E1668B	--	--	49	--	--	--
PCB-185	E1668B	--	--	--	--	--	--
PCB-186	E1668B	--	--	15.4 U	--	--	--
PCB-187	E1668B	--	--	49000 J	--	--	--
PCB-188	E1668B	--	--	96.9	--	--	--
PCB-189	E1668B	--	--	1600	--	--	--
PCB-190	E1668B	--	--	7630	--	--	--
PCB-191	E1668B	--	--	1580	--	--	--
PCB-192	E1668B	--	--	15.8 U	--	--	--
PCB-194	E1668B	--	--	22800 J	--	--	--
PCB-195	E1668B	--	--	9120	--	--	--
PCB-196	E1668B	--	--	12000	--	--	--
PCB-197	E1668B	--	--	--	--	--	--
PCB-197/200	E1668B	--	--	3690	--	--	--
PCB-198/199	E1668B	--	--	26300	--	--	--
PCB-200	E1668B	--	--	--	--	--	--
PCB-201	E1668B	--	--	3060	--	--	--
PCB-202	E1668B	--	--	4840	--	--	--
PCB-203	E1668B	--	--	16000	--	--	--
PCB-204	E1668B	--	--	16 U	--	--	--
PCB-205	E1668B	--	--	1130	--	--	--
PCB-206	E1668B	--	--	13200	--	--	--
PCB-207	E1668B	--	--	1420	--	--	--
PCB-208	E1668B	--	--	4100	--	--	--
PCB-209	E1668B	--	--	9910	--	--	--
Total PCB congener (U = 0)	--	--	--	4052745.3 J	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2162	Spring Surface Sediment 2163	Spring Surface Sediment 2164	Spring Surface Sediment 2165	Spring Surface Sediment 2166	Spring Surface Sediment 2167
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek
River Mile		2.56	2.56	2.61	2.62	2.63	2.70573
Location ID		NC073SG_20120504	NC074SG_20120504	NC075SG_20120504	NC076SG_20120504	NC077SG_20120504	NC084SG_20120711
Sample ID		NC073SG-000015-20120504	NC074SG-000015-20120504	NC075SG-000015-20120504	NC076SG-000015-20120504	NC077SG-000012-20120504	NC084SG-000015-20120711
Sample Date		5/4/2012	5/4/2012	5/4/2012	5/4/2012	5/4/2012	7/11/2012
Sample Depth		0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 15 cm	0 - 12 cm	0 - 15 cm
Water Column Depth		21.3	9	19.5	18.3	3.9	7.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total PCB congener (U = 1/2)	--	--	--	4053072.5 J	--	--	--
Total PCB congener TEQ 1998 (avian) (U = 0)	--	--	--	803.3697 J	--	--	--
Total PCB congener TEQ 1998 (avian) (U = 1/2)	--	--	--	803.3697 J	--	--	--
Total PCB congener TEQ 1998 (fish) (U = 0)	--	--	--	10.6848 J	--	--	--
Total PCB congener TEQ 1998 (fish) (U = 1/2)	--	--	--	10.6848 J	--	--	--
Total PCB congener TEQ 2005 (mammal) (U = 0)	--	--	--	175.8289 J	--	--	--
Total PCB congener TEQ 2005 (mammal) (U = 1/2)	--	--	--	175.8289 J	--	--	--
Total Petroleum Hydrocarbons (mg/kg)							
Diesel range organics (C10 - C28)	SW8015M	15800	11600	10400	15700	6420	4260
Phytane	SW8015M	8.35	4.99 J	5.5	7.7	3.01 J	2.61 J
Pristane	SW8015M	12.8	7.08 J	8.94	11.3	3.62 J	1.81 J
Total petroleum hydrocarbons (C9-C40)	SW8015M	28200	21700	18700	27000	13000	8740
Radionuclides (pci/g)							
Beryllium 7	HASL300	--	--	--	--	--	--

Table A4-2
Surface Sediment Analytical Results

Task	Spring Surface Sediment 2168	Spring Surface Sediment 2169	Spring Surface Sediment 2170	Spring Surface Sediment 2171	Spring Surface Sediment 2172	Spring Surface Sediment 2173	
Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Whale Creek	Whale Creek	
River Mile	2.72817	2.8	2.81	2.81	0.04	0.11	
Location ID	NC085SG_20120711	NC078SG_20120504	NC079SG_20120504	NC079SG_20120504	WC002SG_20120510	WC003SG_20120509	
Sample ID	NC085SG-000015-20120711	NC078SG-000006-20120504	NC079SG-000003-20120504	NC079SG-000010-20120504	WC002SG-000012-20120510	WC003SG-000015-20120509	
Sample Date	7/11/2012	5/4/2012	5/4/2012	5/4/2012	5/10/2012	5/9/2012	
Sample Depth	0 - 15 cm	0 - 6 cm	0 - 3 cm	0 - 10 cm	0 - 12 cm	0 - 15 cm	
Water Column Depth	8.6	9.6	22.7	22.7	20.7	15.7	
Sample Type	N	N	N	N	N	N	
Matrix	SE	SE	SE	SE	SE	SE	
Conventional Parameters (lb/ft³)							
Density	D7263	46.3	25.9	--	28.8	26.8	18
Conventional Parameters (mg/kg)							
Ammonia as nitrogen	SM4500NH3H	56 J	64	--	51	120	29 U
Cyanide, total	SW9012A	0.71 J	4 U	--	3.2	2.7 U	4 U
Nitrate + nitrite as nitrogen	SM4500NO3F	5.4 U	10 U	--	6.9 U	8.9	10 U
Nitrogen ((No Suggestions))	SM4500NORGC	2200	5600	--	6700	4000 J	3900
Phosphorus	SM4500PE	1500 J	1800	--	3500	1600	1600 J
Sulfide	SW9030B	5500	9700	--	8200	4900	8900 J
Conventional Parameters (pct)							
Moisture (water) content	D2216	--	--	--	169.5	--	--
Moisture, percent	D2216	--	--	--	63.9	--	--
Soot carbon	SOOTC	1.935 J	0.992 J	--	2.05 J	0.221	0.205
Total organic carbon	SW9060	4.41 J	8.19	--	16.65	3.465	2.835
Total solids	SM2540G	46.4	24.1	--	35.4	33.7	24
Conventional Parameters (SU)							
pH	SW9045C	7.8	7.5	--	7.9	8.1	7.9
Conventional Parameters (unitless)							
Liquid limit	D4318	--	--	--	110	--	--
Plastic limit	D4318	--	--	--	44	--	--
Plasticity index	D4318	--	--	--	66	--	--
Specific gravity	D854	--	--	--	2.18	--	--
Grain Size (pct)							
Cobbles	D422	0	0	--	0	0	0
Gravel	D422	49.9	35.5	--	0.4	0.2	0
Sand	D422	46.3	16.8	--	30.3	13.7	2.4
Fines (silt + clay)	D422	3.8	47.7	--	69.3	86.1	97.6
Percent passing 0.375 inch (3/8 inch sieve)	D422	61	65	--	100	--	100
Percent passing 0.5 inch (1/2 inch sieve)	D422	74	65	--	--	--	--
Percent passing 0.75 inch (3/4 inch sieve)	D422	100	71	--	--	--	--
Percent passing 1 inch (1 inch sieve)	D422	--	100	--	--	--	--
Percent passing 75 micron sieve (#200)	D422	4	48	--	69	86	98
Percent passing 150 micron sieve (#100)	D422	6	53	--	78	88	98

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2168	Spring Surface Sediment 2169	Spring Surface Sediment 2170	Spring Surface Sediment 2171	Spring Surface Sediment 2172	Spring Surface Sediment 2173
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Whale Creek	Whale Creek
River Mile		2.72817	2.8	2.81	2.81	0.04	0.11
Location ID		NC085SG_20120711	NC078SG_20120504	NC079SG_20120504	NC079SG_20120504	WC002SG_20120510	WC003SG_20120509
Sample ID		NC085SG-000015-20120711	NC078SG-000006-20120504	NC079SG-000003-20120504	NC079SG-000010-20120504	WC002SG-000012-20120510	WC003SG-000015-20120509
Sample Date		7/11/2012	5/4/2012	5/4/2012	5/4/2012	5/10/2012	5/9/2012
Sample Depth		0 - 15 cm	0 - 6 cm	0 - 3 cm	0 - 10 cm	0 - 12 cm	0 - 15 cm
Water Column Depth		8.6	9.6	22.7	22.7	20.7	15.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Percent passing 250 micron sieve (#60)	D422	9	58	--	86	91	99
Percent passing 425 micron sieve (#40)	D422	15	61	--	92	93	99
Percent passing 850 micron sieve (#20)	D422	25	63	--	96	96	99
Percent passing 2000 micron sieve (#10)	D422	36	64	--	98	99	100
Percent passing 4750 micron sieve (#4)	D422	50	65	--	100	100	100
Metals (mg/kg)							
Aluminum	SW6020A	5810	11800	--	9420	16700	16600
Antimony	SW6020A	1.07 J	3.26 J	--	20.4 J	0.779 J	0.974 J
Arsenic	SW6020A	22.4	29.7	--	165	18.7 J	10.2
Barium	SW6020A	127	185	--	354	94.5 J	91.5
Beryllium	SW6020A	0.441	0.692	--	0.662	1.16 J	0.882
Cadmium	SW6020A	11	19.7	--	20.1	4.03	4.01
Calcium	SW6020A	14300 J	18800	--	7640	9480	7910
Chromium	SW6020A	132	223	--	479	102	88 J
Cobalt	SW6020A	6.63	10.9	--	16.4	13.5	11.8
Copper	SW6020A	579 J	1110	--	2900	277	267
Iron	SW6020A	20800	26900	--	32500	33400	36900
Lead	SW6020A	328 J	567	--	980	196	203
Magnesium	SW6020A	8180 J	13600	--	6500	10400	11900
Manganese	SW6020A	140	191	--	179	426 J	364
Mercury	E1631M	1.28	2.7	--	5.84	1.21 J	1.15 J
Nickel	SW6020A	99.1	160	--	841	61.7	50
Potassium	SW6020A	1570 J	3590	--	2520	4000 J	4470
Selenium	SW6020A	2.26	4.33	--	19.7	3.68 J	2.02
Silver	SW6020A	3.61 J	8.32	--	13.1	5.47 J	6.95
Sodium	SW6020A	8220 J	25800 J	--	14700 J	18100 J	26400 J
Thallium	SW6020A	0.195	0.418	--	1.18	0.698	0.346
Tin	SW6020A	38 J	50.4	--	110	21.2	22.2
Vanadium	SW6020A	35.6	62.8	--	53.3	46.7 J	42.9
Zinc	SW6020A	872	1760	--	4020	549 J	479
Organometallic Compounds (µg/kg)							
Methyl mercury	E1630M	--	--	--	0.275 J	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2168	Spring Surface Sediment 2169	Spring Surface Sediment 2170	Spring Surface Sediment 2171	Spring Surface Sediment 2172	Spring Surface Sediment 2173
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Whale Creek	Whale Creek
River Mile		2.72817	2.8	2.81	2.81	0.04	0.11
Location ID		NC085SG_20120711	NC078SG_20120504	NC079SG_20120504	NC079SG_20120504	WC002SG_20120510	WC003SG_20120509
Sample ID		NC085SG-000015-20120711	NC078SG-000006-20120504	NC079SG-000003-20120504	NC079SG-000010-20120504	WC002SG-000012-20120510	WC003SG-000015-20120509
Sample Date		7/11/2012	5/4/2012	5/4/2012	5/4/2012	5/10/2012	5/9/2012
Sample Depth		0 - 15 cm	0 - 6 cm	0 - 3 cm	0 - 10 cm	0 - 12 cm	0 - 15 cm
Water Column Depth		8.6	9.6	22.7	22.7	20.7	15.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Volatile Organics (µg/kg)							
1,1,1-Trichloroethane	SW8260B	2.2 U	3.7 U	--	200 U	3 U	4.2 U
1,1,2,2-Tetrachloroethane	SW8260B	2.2 UJ	3.7 U	--	200 UJ	3 U	4.2 U
1,1,2-Trichloroethane	SW8260B	3.2 UJ	5.6 U	--	300 U	4.4 U	6.2 U
1,1,2-Trichlorotrifluoroethane	SW8260B	43 U	74 U	--	4000 U	59 U	83 U
1,1-Dichloroethane	SW8260B	3.2 U	5.6 U	--	300 U	4.4 U	6.2 U
1,1-Dichloroethene	SW8260B	2.2 U	3.7 U	--	200 U	3 U	4.2 U
1,2,3-Trichlorobenzene	SW8260B	-- R	18 U	--	990 U	15 U	21 U
1,2,4-Trichlorobenzene	SW8260B	-- R	18 U	--	990 U	15 U	21 U
1,2-Dibromo-3-chloropropane	SW8260B	11 UJ	18 U	--	990 U	15 U	21 U
1,2-Dichlorobenzene	SW8260B	11 UJ	18 U	--	990 U	15 U	21 U
1,2-Dichloroethane	SW8260B	2.2 U	3.7 U	--	200 U	3 U	4.2 U
1,2-Dichloroethene, cis-	SW8260B	2.2 U	3.7 U	--	200 U	3 U	4.2 U
1,2-Dichloroethene, trans-	SW8260B	3.2 U	5.6 U	--	300 U	4.4 U	6.2 U
1,2-Dichloropropane	SW8260B	7.5 U	13 U	--	690 U	10 U	14 U
1,3-Dichlorobenzene	SW8260B	11 UJ	18 U	--	990 U	15 U	21 U
1,3-Dichloropropene, cis-	SW8260B	2.2 UJ	3.7 U	--	200 U	3 U	4.2 U
1,3-Dichloropropene, trans-	SW8260B	2.2 UJ	3.7 U	--	200 U	3 U	4.2 U
1,4-Dichlorobenzene	SW8260B	11 UJ	18 U	--	990 U	15 U	21 U
2-Butanone (MEK)	SW8260B	12 J	34 J	--	2000 U	84	130
2-Hexanone (methyl butyl ketone)	SW8260B	22 U	37 U	--	2000 UJ	30 U	42 U
Acetone	SW8260B	52 J	200	--	760 J	330	570
Benzene	SW8260B	2.2 U	3.7 U	--	200 U	3 U	4.2 U
Bromochloromethane	SW8260B	11 U	18 U	--	990 U	15 U	21 U
Bromodichloromethane	SW8260B	2.2 UJ	3.7 U	--	200 U	3 U	4.2 U
Bromoform (tribromomethane)	SW8260B	8.6 UJ	15 U	--	790 U	12 U	17 U
Bromomethane (methyl bromide)	SW8260B	4.3 U	7.4 U	--	400 UJ	5.9 U	8.3 U
Carbon disulfide	SW8260B	5.4 J	26 J	--	2000 U	48	110
Carbon tetrachloride (tetrachloromethane)	SW8260B	2.2 UJ	3.7 U	--	200 U	3 U	4.2 U
Chlorobenzene	SW8260B	2.2 UJ	3.7 U	--	200 U	3 U	4.2 U
Chloroethane	SW8260B	4.3 UJ	7.4 U	--	400 UJ	5.9 U	8.3 U
Chloroform	SW8260B	3.2 U	5.6 U	--	300 U	4.4 U	6.2 U

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2168	Spring Surface Sediment 2169	Spring Surface Sediment 2170	Spring Surface Sediment 2171	Spring Surface Sediment 2172	Spring Surface Sediment 2173
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Whale Creek	Whale Creek
		River Mile	2.72817	2.8	2.81	2.81	0.04	0.11
		Location ID	NC085SG_20120711	NC078SG_20120504	NC079SG_20120504	NC079SG_20120504	WC002SG_20120510	WC003SG_20120509
		Sample ID	NC085SG-000015-20120711	NC078SG-000006-20120504	NC079SG-000003-20120504	NC079SG-000010-20120504	WC002SG-000012-20120510	WC003SG-000015-20120509
		Sample Date	7/11/2012	5/4/2012	5/4/2012	5/4/2012	5/10/2012	5/9/2012
		Sample Depth	0 - 15 cm	0 - 6 cm	0 - 3 cm	0 - 10 cm	0 - 12 cm	0 - 15 cm
		Water Column Depth	8.6	9.6	22.7	22.7	20.7	15.7
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
Chloromethane	SW8260B		11 U	18 U	--	990 U	15 U	21 U
Cyclohexane	SW8260B		-- R	74 U	--	4000 U	59 U	83 U
Dibromochloromethane	SW8260B		2.2 UJ	3.7 U	--	200 U	3 U	4.2 U
Dichlorodifluoromethane	SW8260B		22 U	37 U	--	2000 U	30 U	42 U
Dichloromethane (methylene chloride)	SW8260B		22 U	37 U	--	2000 U	30 U	42 U
Ethylbenzene	SW8260B		2.2 UJ	3.7 U	--	200 U	3 U	4.2 U
Ethylene dibromide (1,2-Dibromoethane)	SW8260B		8.6 UJ	15 U	--	790 U	12 U	17 U
Isopropylbenzene (cumene)	SW8260B		2.2 UJ	3.7 U	--	200 U	3 U	4.2 U
m,p-Xylene	SW8260B		4.3 UJ	7.4 U	--	400 U	5.9 U	8.3 U
Methyl acetate	SW8260B		43 U	74 U	--	4000 U	59 U	83 U
Methyl isobutyl ketone (4-methyl-2-pentanone [MIBK])	SW8260B		22 U	37 U	--	2000 U	30 U	42 U
Methyl tert-butyl ether (MTBE)	SW8260B		4.3 U	7.4 U	--	400 U	5.9 U	8.3 U
Methylcyclohexane	SW8260B		8.6 UJ	15 U	--	790 U	12 U	17 U
o-Xylene	SW8260B		4.3 UJ	7.4 U	--	400 U	5.9 U	8.3 U
Styrene	SW8260B		4.3 UJ	7.4 U	--	400 U	5.9 U	8.3 U
Tetrachloroethene (PCE)	SW8260B		2.2 UJ	3.7 U	--	200 U	3 U	4.2 U
Toluene	SW8260B		3.2 UJ	5.6 U	--	300 U	4.4 U	1.6 J
Total BTEX (U = 0)	--		4.3 UJ	7.4 U	--	400 U	5.9 U	1.6 J
Total BTEX (U = 1/2)	--		4.3 UJ	7.4 U	--	400 U	5.9 U	14.1 J
Total xylene (U = 0)	--		4.3 UJ	7.4 U	--	400 U	5.9 U	8.3 U
Total xylene (U = 1/2)	--		4.3 UJ	7.4 U	--	400 U	5.9 U	8.3 U
Trichloroethene (TCE)	SW8260B		2.2 UJ	3.7 U	--	200 U	3 U	4.2 U
Trichlorofluoromethane (fluorotrichloromethane)	SW8260B		11 U	18 U	--	990 UJ	15 U	21 U
Vinyl acetate	SW8260B		22 UJ	37 U	--	2000 U	30 U	42 U
Vinyl chloride	SW8260B		4.3 U	7.4 U	--	400 U	5.9 U	8.3 U
Semivolatile Organics (µg/kg)								
1,2,4,5-Tetrachlorobenzene	SW8270C		1100 U	590 U	--	4500 U	920 U	1300 U
1,4-Dioxane	SW8270C		2300 U	1200 U	--	9000 U	1900 U	2600 UJ
2,3,4,6-Tetrachlorophenol	SW8270C		1100 U	590 U	--	4500 U	920 U	1300 UJ
2,4,5-Trichlorophenol	SW8270C		1100 U	590 U	--	4500 U	920 U	1300 UJ
2,4,6-Trichlorophenol	SW8270C		1100 U	590 U	--	4500 U	920 U	1300 UJ

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2168	Spring Surface Sediment 2169	Spring Surface Sediment 2170	Spring Surface Sediment 2171	Spring Surface Sediment 2172	Spring Surface Sediment 2173
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Whale Creek	Whale Creek
		River Mile	2.72817	2.8	2.81	2.81	0.04	0.11
		Location ID	NC085SG_20120711	NC078SG_20120504	NC079SG_20120504	NC079SG_20120504	WC002SG_20120510	WC003SG_20120509
		Sample ID	NC085SG-000015-20120711	NC078SG-000006-20120504	NC079SG-000003-20120504	NC079SG-000010-20120504	WC002SG-000012-20120510	WC003SG-000015-20120509
		Sample Date	7/11/2012	5/4/2012	5/4/2012	5/4/2012	5/10/2012	5/9/2012
		Sample Depth	0 - 15 cm	0 - 6 cm	0 - 3 cm	0 - 10 cm	0 - 12 cm	0 - 15 cm
		Water Column Depth	8.6	9.6	22.7	22.7	20.7	15.7
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
2,4-Dichlorophenol	SW8270C		230 U	120 U	--	900 U	190 U	260 UJ
2,4-Dimethylphenol	SW8270C		1100 UJ	590 UJ	--	4500 UJ	920 UJ	1300 UJ
2,4-Dinitrophenol	SW8270C		5800 U	3000 U	--	23000 U	4700 UJ	6700 UJ
2,4-Dinitrotoluene	SW8270C		1100 U	590 U	--	4500 U	920 U	1300 UJ
2,6-Dinitrotoluene	SW8270C		1100 U	590 U	--	4500 U	920 U	1300 U
2-Chloronaphthalene	SW8270C		230 U	120 U	--	900 U	190 U	260 UJ
2-Chlorophenol	SW8270C		1100 U	590 U	--	4500 U	920 U	1300 UJ
2-Methylnaphthalene	SW8270C		350	320	--	12000	200	100 J
2-Methylphenol (o-Cresol)	SW8270C		1100 U	590 U	--	4500 U	920 U	1300 U
2-Nitroaniline	SW8270C		5800 U	3000 U	--	23000 U	4700 U	6700 U
2-Nitrophenol	SW8270C		1100 U	590 U	--	4500 U	920 U	1300 UJ
3,3'-Dichlorobenzidine	SW8270C		-- R	590 U	--	4500 U	920 UJ	1300 UJ
3-methylphenol and 4-methylphenol (m&p-cresol)	SW8270C		210 J	74 J	--	4500 U	350 J	170 J
3-Nitroaniline	SW8270C		5800 U	3000 U	--	23000 U	4700 U	6700 U
4-Bromophenyl-phenyl ether	SW8270C		1100 U	590 U	--	4500 U	920 U	1300 U
4-Chloro-3-methylphenol	SW8270C		1100 U	590 U	--	4500 U	920 U	1300 UJ
4-Chloroaniline	SW8270C		120 J	240 J	--	4500 U	140 J	180 J
4-Chlorophenyl phenyl ether	SW8270C		1100 U	590 U	--	4500 U	920 U	1300 UJ
4-Nitroaniline	SW8270C		5800 U	3000 U	--	23000 U	4700 UJ	6700 UJ
4-Nitrophenol	SW8270C		5800 U	3000 U	--	23000 U	4700 UJ	6700 UJ
Acenaphthene	SW8270C		430 J	180	--	20000	210	87 J
Acenaphthylene	SW8270C		550	560	--	7500	190	120 J
Acetophenone	SW8270C		1100 U	130 J	--	4500 U	920 U	1300 U
Anthracene	SW8270C		740	540	--	23000	550	260 J
Atrazine	SW8270C		1100 UJ	590 UJ	--	4500 UJ	920 UJ	1300 UJ
Benzaldehyde	SW8270C		190 J	210 J	--	4500 UJ	210 J	250 J
Benzo(a)anthracene	SW8270C		2100	1700	--	34000	1300	770 J
Benzo(a)pyrene	SW8270C		2500 J	2800	--	30000	1200	780
Benzo(b)fluoranthene	SW8270C		2500 J	2300	--	19000	1200	700 J
Benzo(g,h,i)perylene	SW8270C		1200	1900	--	13000	670	480 J
Benzo(k)fluoranthene	SW8270C		1400	1400	--	9700	540	510
Biphenyl (1,1'-Biphenyl)	SW8270C		1100 U	75 J	--	1800 J	85 J	1300 UJ

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2168	Spring Surface Sediment 2169	Spring Surface Sediment 2170	Spring Surface Sediment 2171	Spring Surface Sediment 2172	Spring Surface Sediment 2173
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Whale Creek	Whale Creek
		River Mile	2.72817	2.8	2.81	2.81	0.04	0.11
		Location ID	NC085SG_20120711	NC078SG_20120504	NC079SG_20120504	NC079SG_20120504	WC002SG_20120510	WC003SG_20120509
		Sample ID	NC085SG-000015-20120711	NC078SG-000006-20120504	NC079SG-000003-20120504	NC079SG-000010-20120504	WC002SG-000012-20120510	WC003SG-000015-20120509
		Sample Date	7/11/2012	5/4/2012	5/4/2012	5/4/2012	5/10/2012	5/9/2012
		Sample Depth	0 - 15 cm	0 - 6 cm	0 - 3 cm	0 - 10 cm	0 - 12 cm	0 - 15 cm
		Water Column Depth	8.6	9.6	22.7	22.7	20.7	15.7
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
bis(2-Chloroethoxy)methane	SW8270C		1100 U	590 U	--	4500 U	920 U	1300 U
bis(2-Chloroethyl)ether	SW8270C		230 U	120 U	--	900 U	190 U	260 UJ
bis(2-Chloroisopropyl)ether	SW8270C		230 UJ	120 U	--	900 U	190 U	260 U
Bis(2-ethylhexyl)phthalate	SW8270C		10000	17000	--	12000	9300	9400
Butylbenzyl phthalate	SW8270C		1100 U	250 J	--	4500 U	390 J	260 J
Caprolactam	SW8270C		5800 UJ	3000 U	--	23000 U	4700 UJ	6700 UJ
Carbazole	SW8270C		320 J	180	--	900 U	110 J	260 U
Chrysene	SW8270C		2100	1900	--	30000	1400	710 J
Dibenzo(a,h)anthracene	SW8270C		270	400	--	3500	220	98 J
Dibenzofuran	SW8270C		250 J	110 J	--	2600 J	170 J	1300 UJ
Diethyl phthalate	SW8270C		1100 U	590 U	--	4500 U	920 U	1300 UJ
Dimethyl phthalate	SW8270C		1100 U	590 U	--	4500 U	920 U	1300 UJ
Di-n-butyl phthalate	SW8270C		1100 U	200 J	--	4500 U	130 J	1300 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)	SW8270C		5800 U	3000 U	--	23000 U	4700 U	6700 UJ
Di-n-octyl phthalate	SW8270C		1100 U	220 J	--	4500 U	170 J	210 J
Fluoranthene	SW8270C		2600 J	2600	--	45000	2100	1200 J
Fluorene	SW8270C		360 J	180	--	3700	200	93 J
Hexachlorobenzene	SW8270C		230 U	120 U	--	900 U	190 U	260 UJ
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270C		230 U	120 U	--	900 U	190 U	260 UJ
Hexachlorocyclopentadiene	SW8270C		-- R	590 U	--	4500 U	920 U	1300 U
Hexachloroethane	SW8270C		1100 U	590 U	--	4500 U	920 U	1300 U
Indeno(1,2,3-c,d)pyrene	SW8270C		1100	1500	--	11000	590	400 J
Isophorone	SW8270C		1100 U	590 U	--	4500 U	920 U	1300 U
Naphthalene	SW8270C		1100	1000	--	45000	350	170 J
Nitrobenzene	SW8270C		2300 U	1200 U	--	9000 U	1900 U	2600 U
N-Nitrosodi-N-propylamine	SW8270C		230 U	120 U	--	900 U	190 U	260 U
N-Nitrosodiphenylamine	SW8270C		1100 U	590 U	--	4500 U	920 U	1300 U
Pentachlorophenol	SW8270C		1100 UJ	590 U	--	4500 U	920 UJ	1300 UJ
Phenanthrene	SW8270C		2300 J	1100	--	14000	770	410 J
Phenol	SW8270C		130 J	120 U	--	900 U	25 J	260 U
Pyrene	SW8270C		5300 J	4700	--	80000	2700	1500

Table A4-2
Surface Sediment Analytical Results

Task	Tributary	River Mile	Location ID	Sample ID	Sample Date	Sample Depth	Water Column Depth	Sample Type	Matrix	Spring Surface Sediment 2168	Spring Surface Sediment 2169	Spring Surface Sediment 2170	Spring Surface Sediment 2171	Spring Surface Sediment 2172	Spring Surface Sediment 2173
										Newtown Creek 2.72817 NC085SG_20120711 NC085SG-000015-20120711 7/11/2012 0 - 15 cm 8.6 N SE	Newtown Creek 2.8 NC078SG_20120504 NC078SG-000006-20120504 5/4/2012 0 - 6 cm 9.6 N SE	Newtown Creek 2.81 NC079SG_20120504 NC079SG-000003-20120504 5/4/2012 0 - 3 cm 22.7 N SE	Newtown Creek 2.81 NC079SG_20120504 NC079SG-000010-20120504 5/4/2012 0 - 10 cm 22.7 N SE	Whale Creek 0.04 WC002SG_20120510 WC002SG-000012-20120510 5/10/2012 0 - 12 cm 20.7 N SE	Whale Creek 0.11 WC003SG_20120509 WC003SG-000015-20120509 5/9/2012 0 - 15 cm 15.7 N SE
Total cresol (o,m,p) (U = 0)	--									210 J	74 J	--	4500 U	350 J	170 J
Total cresol (o,m,p) (U = 1/2)	--									760 J	369 J	--	4500 U	810 J	820 J
Polycyclic Aromatic Hydrocarbons (µg/kg)															
1,6,7-Trimethylnaphthalene	SW8270CMSIM									102	153	--	14500	202	204
1-Methyldibenzothiophene	SW8270CMSIM									49.8	160	--	4060	70.6	80.2
1-Methylnaphthalene	SW8270CMSIM									314	433	--	7510	111	155
1-Methylphenanthrene	SW8270CMSIM									407	581	--	35400	318	270
2,6-Dimethylnaphthalene	SW8270CMSIM									453	713	--	16000	319	437
2-Methylantracene	SW8270CMSIM									316	542	--	16500	269	261
2-Methyldibenzothiophene and 3-methyldibenzothiophene	SW8270CMSIM									196	186	--	11400	195	130
2-Methylnaphthalene	SW8270CMSIM									772	1140	--	26400	282	382
2-Methylphenanthrene	SW8270CMSIM									494	677	--	7220	303	278
4-Methyldibenzothiophene	SW8270CMSIM									169	344	--	14000	313	309
4-Methylphenanthrene and 9-methylphenanthrene	SW8270CMSIM									576	1020	--	42900	559	610
Acenaphthene	SW8270CMSIM									284	484	--	34900	229	257
Acenaphthylene	SW8270CMSIM									1060	1910	--	15600	241	381
Anthracene	SW8270CMSIM									922	1700	--	45000	830	984
Benzo(a)anthracene	SW8270CMSIM									2010	4600	--	62200	1680	1840
Benzo(a)pyrene	SW8270CMSIM									4700	7840	--	55200	1920	1950
Benzo(b)fluoranthene	SW8270CMSIM									3170	6200	--	29200	1890	1980
Benzo(e)pyrene	SW8270CMSIM									3270	5700	--	30100	1430	1570
Benzo(g,h,i)perylene	SW8270CMSIM									3090	5080	--	26000	1120	1140
Benzo(j,k)fluoranthene	SW8270CMSIM									3340	5640	--	30700	1460	1440
Benzonaphthothiophene	SW8270CMSIM									859	2170	--	19700	711	666
Benzo(b)fluoranthene	SW8270CMSIM									84.6	105	--	2420	18.1 J	30.2
Carbazole	SW8270CMSIM									111	344	--	1030	104	75.3
Chrysene	SW8270CMSIM									2470	5260	--	57100	1820	1860
Decalin, cis and trans-	SW8270CMSIM									35.2	103	--	1550	55.9	98.9
Dibenzo(a,h)anthracene and dibenzo(a,c)anthracene	SW8270CMSIM									901	1460	--	7920	384	332
Dibenzothiophene	SW8270CMSIM									206	359	--	9530	201	219

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2168	Spring Surface Sediment 2169	Spring Surface Sediment 2170	Spring Surface Sediment 2171	Spring Surface Sediment 2172	Spring Surface Sediment 2173
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Whale Creek	Whale Creek
River Mile		2.72817	2.8	2.81	2.81	0.04	0.11
Location ID		NC085SG_20120711	NC078SG_20120504	NC079SG_20120504	NC079SG_20120504	WC002SG_20120510	WC003SG_20120509
Sample ID		NC085SG-000015-20120711	NC078SG-000006-20120504	NC079SG-000003-20120504	NC079SG-000010-20120504	WC002SG-000012-20120510	WC003SG-000015-20120509
Sample Date		7/11/2012	5/4/2012	5/4/2012	5/4/2012	5/10/2012	5/9/2012
Sample Depth		0 - 15 cm	0 - 6 cm	0 - 3 cm	0 - 10 cm	0 - 12 cm	0 - 15 cm
Water Column Depth		8.6	9.6	22.7	22.7	20.7	15.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Fluoranthene	SW8270CMSIM	2810	8880	--	93700	4670	4280
Fluorene	SW8270CMSIM	244	403	--	6080	216	236
Indeno(1,2,3-c,d)pyrene	SW8270CMSIM	2710	5120	--	26100	1140	1170
Naphthalene	SW8270CMSIM	2600	3210	--	105000	407	616
Perylene	SW8270CMSIM	1050	1630	--	8850	647	662
Phenanthrene	SW8270CMSIM	1980	2880	--	24900	1060	1030
Pyrene	SW8270CMSIM	7000	13400	--	138000	4810	4580
Retene	SW8270CMSIM	36.8 U	91.6 U	--	17100	934	24.1 U
Total benzofluoranthenes (U = 0)	--	6510	11840	--	59900	3350	3420
Total benzofluoranthenes (U = 1/2)	--	6510	11840	--	59900	3350	3420
Total cPAH TEQ (USEPA 1993) (U = 0)	--	6425.87	10953.66	--	75234.1	2791.42	2797.26
Total cPAH TEQ (USEPA 1993) (U = 1/2)	--	6425.87	10953.66	--	75234.1	2791.42	2797.26
Total HPAH (9 of 16) (U = 0)	--	32201	63480	--	526120	20894	20572
Total HPAH (9 of 16) (U = 1/2)	--	32201	63480	--	526120	20894	20572
Total LPAH (7 of 16) (U = 0)	--	7862	11727	--	257880	3265	3886
Total LPAH (7 of 16) (U = 1/2)	--	7862	11727	--	257880	3265	3886
Total PAH (16) (U = 0)	--	40063	75207	--	784000	24159	24458
Total PAH (16) (U = 1/2)	--	40063	75207	--	784000	24159	24458
Alkylated Polycyclic Aromatic Hydrocarbons (µg/kg)							
C1-Benzo(a)anthracenes/chrysenes	SW8270CMSIM	3400	7170	--	60200	1760	2020
C1-Benzo(b)thiophenes	SW8270CMSIM	86.2	172	--	1870	39.9	83.4
C1-Decalins	SW8270CMSIM	122	1050	--	15100	315	629
C1-Dibenzothiophenes	SW8270CMSIM	485	813	--	32900	630	584
C1-Fluoranthenes/Pyrenes	SW8270CMSIM	5830	11800	--	129000	3650	4060
C1-Fluorenes	SW8270CMSIM	353	634	--	26300	302	449
C1-Naphthalenes	SW8270CMSIM	647	982	--	21200	227	354
C1-Phenanthrenes/Anthracenes	SW8270CMSIM	2240	3470	--	134000	2010	2080
C2-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	3320	6500	--	43900	1590	2000
C2-Benzo(b)thiophenes	SW8270CMSIM	84.7	180	--	3490	45.1	102
C2-Decalins	SW8270CMSIM	974	3360	--	24500	837	1660
C2-Dibenzothiophenes	SW8270CMSIM	721	3100	--	44700	1550	1820
C2-Fluorenes	SW8270CMSIM	785	2410	--	50100	1220	1860
C2-Naphthalenes	SW8270CMSIM	716	1160	--	44800	429	830

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2168	Spring Surface Sediment 2169	Spring Surface Sediment 2170	Spring Surface Sediment 2171	Spring Surface Sediment 2172	Spring Surface Sediment 2173
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Whale Creek	Whale Creek
River Mile		2.72817	2.8	2.81	2.81	0.04	0.11
Location ID		NC085SG_20120711	NC078SG_20120504	NC079SG_20120504	NC079SG_20120504	WC002SG_20120510	WC003SG_20120509
Sample ID		NC085SG-000015-20120711	NC078SG-000006-20120504	NC079SG-000003-20120504	NC079SG-000010-20120504	WC002SG-000012-20120510	WC003SG-000015-20120509
Sample Date		7/11/2012	5/4/2012	5/4/2012	5/4/2012	5/10/2012	5/9/2012
Sample Depth		0 - 15 cm	0 - 6 cm	0 - 3 cm	0 - 10 cm	0 - 12 cm	0 - 15 cm
Water Column Depth		8.6	9.6	22.7	22.7	20.7	15.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
C2-Phenanthrenes/Anthracenes	SW8270CMSIM	2360	6260	--	125000	3560	4760
C3-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	2680	4900	--	27100	1310	1720
C3-Benzo(b)thiophenes	SW8270CMSIM	191	452	--	8060	144	288
C3-Decalins	SW8270CMSIM	1170	3300	--	18000	797	1610
C3-Dibenzothiophenes	SW8270CMSIM	1080	4520	--	29100	1510	2140
C3-Fluorenes	SW8270CMSIM	1110	4870	--	37800	1780	2840
C3-Naphthalenes	SW8270CMSIM	638	1580	--	111000	1080	1990
C3-Phenanthrenes/Anthracenes	SW8270CMSIM	1450	6510	--	58600	2680	4310
C4-Benzo(a)anthracenes/Chrysenes	SW8270CMSIM	1320	2530	--	11700	701	879
C4-Benzo(b)thiophenes	SW8270CMSIM	180	529	--	6690	209	378
C4-Decalins	SW8270CMSIM	1770	6550	--	28000	1460	2610
C4-Dibenzothiophenes	SW8270CMSIM	1080	2990	--	12800	760	1180
C4-Naphthalenes	SW8270CMSIM	629	3300	--	70400	1480	2930
C4-Phenanthrenes/Anthracenes	SW8270CMSIM	1250	4190	--	24700	1380	2140
n-Alkanes and Isoprenoids (µg/kg)							
2,6,10-Trimethyldodecane	SW8015M	2450 U	1010 J	--	12200	859 J	2090
2,6,10-Trimethyltridecane	SW8015M	1960 J	7530 J	--	52600 J	3470 J	3940 J
n-Decane (C10)	SW8015M	2450 U	6110 U	--	3360 J	1310 U	1600 U
n-Docosane (C22)	SW8015M	2450 U	6110 U	--	21600	707 J	1470 J
n-Dodecane (C12)	SW8015M	2450 U	6110 U	--	9380	335 J	472 J
n-Dotriacontane (C32)	SW8015M	1160 J	2450 J	--	8190 U	1010 J	8140
n-Eicosane (C20)	SW8015M	2450 U	6110 U	--	13000	451 J	2110
n-Heneicosane (C21)	SW8015M	879 J	1970 J	--	5200 J	672 J	779 J
n-Hentriacontane (C31)	SW8015M	5480	21800	--	18200	5790	3170
n-Heptacosane (C27)	SW8015M	1600 J	5140 J	--	8650	2870	3560
n-Heptadecane (C17)	SW8015M	2450 U	6110 U	--	18800	1420	1980
n-Heptatriacontane (C37)	SW8015M	2450 U	3230 J	--	8190 U	1580	1820
n-Hexacosane (C26)	SW8015M	1370 J	3000 J	--	8730	1290 J	3560
n-Hexadecane (C16)	SW8015M	2450 U	6110 U	--	19200	381 J	1140 J
n-Hexatriacontane (C36)	SW8015M	1120 J	3260 J	--	8190 U	1630	1650
n-Nonacosane (C29)	SW8015M	2780	4130 J	--	30700	4460	4460
n-Nonadecane (C19)	SW8015M	702 J	6110 U	--	8190 U	688 J	1100 J
n-Nonane (C9)	SW8015M	2450 UJ	6110 U	--	8190 U	1310 U	1600 U

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2168	Spring Surface Sediment 2169	Spring Surface Sediment 2170	Spring Surface Sediment 2171	Spring Surface Sediment 2172	Spring Surface Sediment 2173
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Whale Creek	Whale Creek
River Mile		2.72817	2.8	2.81	2.81	0.04	0.11
Location ID		NC085SG_20120711	NC078SG_20120504	NC079SG_20120504	NC079SG_20120504	WC002SG_20120510	WC003SG_20120509
Sample ID		NC085SG-000015-20120711	NC078SG-000006-20120504	NC079SG-000003-20120504	NC079SG-000010-20120504	WC002SG-000012-20120510	WC003SG-000015-20120509
Sample Date		7/11/2012	5/4/2012	5/4/2012	5/4/2012	5/10/2012	5/9/2012
Sample Depth		0 - 15 cm	0 - 6 cm	0 - 3 cm	0 - 10 cm	0 - 12 cm	0 - 15 cm
Water Column Depth		8.6	9.6	22.7	22.7	20.7	15.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
n-Nonatriacontane (C39)	SW8015M	2450 U	6110 U	--	8190 U	1220 J	2000
n-Octacosane (C28)	SW8015M	2450 U	3640 J	--	5910 J	824 J	2330
n-Octadecane (C18)	SW8015M	2500 J	4300 J	--	36600 J	1450 J	1840 J
n-Octatriacontane (C38)	SW8015M	763 J	2220 J	--	4890 J	1060 J	1850
Norpristane	SW8015M	2450 U	3270 J	--	25400	2640	3770
n-Pentacosane (C25)	SW8015M	4380 J	14500 J	--	78400 J	4660 J	2500 J
n-Pentadecane (C15)	SW8015M	2450 U	2040 J	--	9670	1380	2260
n-Pentatriacontane (C35)	SW8015M	1110 J	4400 J	--	6600 J	2650	4580
n-Tetracontane (C40)	SW8015M	2450 U	2000 J	--	3870 J	956 J	1290 J
n-Tetracosane (C24)	SW8015M	2450 U	6110 U	--	8190 U	483 J	1030 J
n-Tetradecane (C14)	SW8015M	2450 U	1480 J	--	5680 J	635 J	1190 J
n-Tetratriacontane (C34)	SW8015M	2480	2850 J	--	12400	2600	4180
n-Triacontane (C30)	SW8015M	1360 J	3970 J	--	7920 J	1960	3500
n-Tricosane (C23)	SW8015M	1410 J	3350 J	--	27100	924 J	530 J
n-Tridecane (C13)	SW8015M	2450 U	6110 U	--	8190 U	520 J	904 J
n-Tritriacontane (C33)	SW8015M	4230	5170 J	--	8190 U	5940	3700
n-Undecane (C11)	SW8015M	2450 U	6110 U	--	5920 J	474 J	793 J
Pesticides (µg/kg)							
2,4'-DDD (o,p'-DDD)	SW8081A	1.4 U	9.3 J	--	0.23 UJ	0.23 U	2.3 J
2,4'-DDE (o,p'-DDE)	SW8081A	5.1 J	17 J	--	13 J	1.7 J	8
2,4'-DDT (o,p'-DDT)	SW8081A	1.4 U	0.3 U	--	0.28 J	0.23 U	1.6 U
4,4'-DDD (p,p'-DDD)	SW8081A	22	63	--	48	11 J	8.1
4,4'-DDE (p,p'-DDE)	SW8081A	11 J	31 J	--	27 J	7.4 J	8.3 J
4,4'-DDT (p,p'-DDT)	SW8081A	1.4 UJ	4.4 J	--	9.7 J	2.2 J	2.1 J
Aldrin	SW8081A	0.32 J	2.1 J	--	5.2 J	0.94 J	0.33 U
alpha-Hexachlorocyclohexane (BHC)	SW8081A	-- R	0.054 J	--	0.23 U	0.22 J	1.6 U
Chlordane, alpha- (cis-Chlordane)	SW8081A	15 J	43	--	0.23 U	0.23 U	1.6 U
Chlordane, beta- (trans-Chlordane)	SW8081A	23 J	0.3 U	--	0.23 U	0.23 U	1.6 U
delta-Hexachlorocyclohexane (BHC)	SW8081A	0.84 J	0.3 U	--	0.5 J	0.41 J	0.51 J
Dieldrin	SW8081A	3.7 J	9.9 J	--	2.5 J	2.8 J	2.7
Endosulfan sulfate	SW8081A	1.4 UJ	0.3 UJ	--	12 J	0.88 J	1.6 UJ
Endosulfan-alpha (I)	SW8081A	1.4 UJ	0.3 U	--	0.23 UJ	0.23 U	1.6 U
Endosulfan-beta (II)	SW8081A	0.29 J	2.5 J	--	2.8 J	1.8 J	1.7 J

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2168	Spring Surface Sediment 2169	Spring Surface Sediment 2170	Spring Surface Sediment 2171	Spring Surface Sediment 2172	Spring Surface Sediment 2173
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Whale Creek	Whale Creek
		River Mile	2.72817	2.8	2.81	2.81	0.04	0.11
		Location ID	NC085SG_20120711	NC078SG_20120504	NC079SG_20120504	NC079SG_20120504	WC002SG_20120510	WC003SG_20120509
		Sample ID	NC085SG-000015-20120711	NC078SG-000006-20120504	NC079SG-000003-20120504	NC079SG-000010-20120504	WC002SG-000012-20120510	WC003SG-000015-20120509
		Sample Date	7/11/2012	5/4/2012	5/4/2012	5/4/2012	5/10/2012	5/9/2012
		Sample Depth	0 - 15 cm	0 - 6 cm	0 - 3 cm	0 - 10 cm	0 - 12 cm	0 - 15 cm
		Water Column Depth	8.6	9.6	22.7	22.7	20.7	15.7
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
Endrin	SW8081A		0.78 J	5.1 J	--	6.3 J	1.1 J	1.6 U
Endrin aldehyde	SW8081A		-- R	0.3 UJ	--	0.23 UJ	1 J	0.8 J
Endrin ketone	SW8081A		1.1 J	0.3 UJ	--	0.23 UJ	0.23 UJ	1.6 UJ
Heptachlor	SW8081A		0.28 J	0.3 U	--	2.8 J	0.23 U	0.33 U
Heptachlor epoxide	SW8081A		0.94 J	1.5 J	--	0.23 U	0.094 J	1.6 U
Hexachlorobenzene	SW8081A		0.97	2.4	--	0.65 J	0.77 J	0.94
Hexachlorocyclohexane, beta- (BHC)	SW8081A		0.39 J	0.31 J	--	0.23 U	0.66 J	1.6 U
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	SW8081A		1.4 UJ	0.3 U	--	0.23 U	0.23 U	1.6 U
Methoxychlor	SW8081A		3 U	0.6 U	--	48 J	0.46 UJ	3.3 UJ
Mirex	SW8081A		0.27 J	0.3 U	--	0.068 J	0.23 U	0.21 J
Nonachlor, cis-	SW8081A		1.4	3.7 J	--	0.23 UJ	0.23 U	0.8 J
Nonachlor, trans-	SW8081A		1.4 U	6.7 J	--	34	0.92 J	1.3 J
Oxychlordane	SW8081A		1.4 UJ	0.3 U	--	3.4 J	0.42 J	1.6 U
Sum DDD (U = 0)	--		22	72.3 J	--	48 J	11 J	10.4 J
Sum DDD (U = 1/2)	--		22.7	72.3 J	--	48.12 J	11.12 J	10.4 J
Sum DDE (U = 0)	--		16.1 J	48 J	--	40 J	9.1 J	16.3 J
Sum DDE (U = 1/2)	--		16.1 J	48 J	--	40 J	9.1 J	16.3 J
Sum DDT (U = 0)	--		1.4 UJ	4.4 J	--	9.98 J	2.2 J	2.1 J
Sum DDT (U = 1/2)	--		1.4 UJ	4.55 J	--	9.98 J	2.32 J	2.9 J
Total chlordane (U = 0)	--		39.4 J	53.4 J	--	37.4 J	1.34 J	2.1 J
Total chlordane (U = 1/2)	--		40.8 J	53.7 J	--	37.75 J	1.69 J	4.5 J
Total DDx (U = 0)	--		38.1 J	124.7 J	--	97.98 J	22.3 J	28.8 J
Total DDx (U = 1/2)	--		40.2 J	124.85 J	--	98.09 J	22.53 J	29.6 J
Toxaphene	SW8081A		57 U	12 U	--	9 U	9.3 U	65 U
Pesticides - High Resolution (µg/kg)								
2,4'-DDD (o,p'-DDD)	E1699		--	--	--	31	--	--
2,4'-DDE (o,p'-DDE)	E1699		--	--	--	6 J	--	--
2,4'-DDT (o,p'-DDT)	E1699		--	--	--	1.5 U	--	--
4,4'-DDD (p,p'-DDD)	E1699		--	--	--	80	--	--
4,4'-DDE (p,p'-DDE)	E1699		--	--	--	80	--	--
4,4'-DDT (p,p'-DDT)	E1699		--	--	--	2.4 U	--	--
Aldrin	E1699		--	--	--	0.3 U	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2168	Spring Surface Sediment 2169	Spring Surface Sediment 2170	Spring Surface Sediment 2171	Spring Surface Sediment 2172	Spring Surface Sediment 2173
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Whale Creek	Whale Creek
River Mile		2.72817	2.8	2.81	2.81	0.04	0.11
Location ID		NC085SG_20120711	NC078SG_20120504	NC079SG_20120504	NC079SG_20120504	WC002SG_20120510	WC003SG_20120509
Sample ID		NC085SG-000015-20120711	NC078SG-000006-20120504	NC079SG-000003-20120504	NC079SG-000010-20120504	WC002SG-000012-20120510	WC003SG-000015-20120509
Sample Date		7/11/2012	5/4/2012	5/4/2012	5/4/2012	5/10/2012	5/9/2012
Sample Depth		0 - 15 cm	0 - 6 cm	0 - 3 cm	0 - 10 cm	0 - 12 cm	0 - 15 cm
Water Column Depth		8.6	9.6	22.7	22.7	20.7	15.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
alpha-Hexachlorocyclohexane (BHC)	E1699	--	--	--	0.3 U	--	--
Chlordane, alpha- (cis-Chlordane)	E1699	--	--	--	37	--	--
Chlordane, beta- (trans-Chlordane)	E1699	--	--	--	59	--	--
delta-Hexachlorocyclohexane (BHC)	E1699	--	--	--	0.46 U	--	--
Dieldrin	E1699	--	--	--	9.1 J	--	--
Endosulfan sulfate	E1699	--	--	--	0.29 U	--	--
Endosulfan-alpha (I)	E1699	--	--	--	0.95 U	--	--
Endosulfan-beta (II)	E1699	--	--	--	2.8 U	--	--
Endrin	E1699	--	--	--	1.1 U	--	--
Endrin aldehyde	E1699	--	--	--	0.66 U	--	--
Endrin ketone	E1699	--	--	--	0.86 U	--	--
Heptachlor	E1699	--	--	--	0.94 J	--	--
Heptachlor epoxide	E1699	--	--	--	0.3 U	--	--
Hexachlorobenzene	E1699	--	--	--	4.7 J	--	--
Hexachlorocyclohexane, beta- (BHC)	E1699	--	--	--	0.4 U	--	--
Hexachlorocyclohexane, gamma- (BHC) (Lindane)	E1699	--	--	--	0.39 U	--	--
Methoxychlor	E1699	--	--	--	12 U	--	--
Mirex	E1699	--	--	--	0.27 U	--	--
Nonachlor, cis-	E1699	--	--	--	7.2 J	--	--
Nonachlor, trans-	E1699	--	--	--	11	--	--
Oxychlordane	E1699	--	--	--	0.28 U	--	--
Sum DDD high resolution (U = 0)	--	--	--	--	111	--	--
Sum DDD high resolution (U = 1/2)	--	--	--	--	111	--	--
Sum DDE high resolution (U = 0)	--	--	--	--	86 J	--	--
Sum DDE high resolution (U = 1/2)	--	--	--	--	86 J	--	--
Sum DDT high resolution (U = 0)	--	--	--	--	2.4 U	--	--
Sum DDT high resolution (U = 1/2)	--	--	--	--	2.4 U	--	--
Total chlordane high resolution (U = 0)	--	--	--	--	114.2 J	--	--
Total chlordane high resolution (U = 1/2)	--	--	--	--	114.34 J	--	--
Total DDx high resolution (U = 0)	--	--	--	--	197 J	--	--
Total DDx high resolution (U = 1/2)	--	--	--	--	198.9 J	--	--
Toxaphene	E1699	--	--	--	250 U	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2168	Spring Surface Sediment 2169	Spring Surface Sediment 2170	Spring Surface Sediment 2171	Spring Surface Sediment 2172	Spring Surface Sediment 2173
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Whale Creek	Whale Creek
River Mile		2.72817	2.8	2.81	2.81	0.04	0.11
Location ID		NC085SG_20120711	NC078SG_20120504	NC079SG_20120504	NC079SG_20120504	WC002SG_20120510	WC003SG_20120509
Sample ID		NC085SG-000015-20120711	NC078SG-000006-20120504	NC079SG-000003-20120504	NC079SG-000010-20120504	WC002SG-000012-20120510	WC003SG-000015-20120509
Sample Date		7/11/2012	5/4/2012	5/4/2012	5/4/2012	5/10/2012	5/9/2012
Sample Depth		0 - 15 cm	0 - 6 cm	0 - 3 cm	0 - 10 cm	0 - 12 cm	0 - 15 cm
Water Column Depth		8.6	9.6	22.7	22.7	20.7	15.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Herbicides (µg/kg)							
2,2-Dichloropropionic acid (dalapon)	SW8151A	150 UJ	320 UJ	--	240 UJ	250 U	360 U
2,4,5-T (2,4,5-trichlorophenoxyacetic acid)	SW8151A	34 UJ	71 U	--	54 U	56 U	79 U
2,4,5-TP (Silvex)	SW8151A	34 UJ	71 U	--	54 U	56 U	79 U
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	140 UJ	280 U	--	220 U	53 J	320 U
2,4-DB (2,4-D derivative)	SW8151A	140 UJ	280 UJ	--	220 UJ	220 U	320 U
Dicamba	SW8151A	68 U	140 U	--	110 U	110 U	160 U
Dichlorprop	SW8151A	140 U	280 U	--	220 U	44 J	71 J
Dinoseb	SW8151A	21 UJ	43 U	--	33 U	33 U	47 UJ
Mecoprop (MCPP)	SW8151A	14000 UJ	28000 U	--	22000 U	22000 U	32000 U
Mephanac (MCPA)	SW8151A	14000 UJ	28000 U	--	22000 U	22000 U	32000 U
Dioxin Furans (ng/kg)							
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	--	--	--	4.15	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	--	--	--	15.6	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	--	--	14.4	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	--	--	57.7	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	--	--	34.7	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B	--	--	--	757	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B	--	--	--	8580	--	--
Total tetrachlorodibenzo-p-dioxin (TCDD)	E1613B	--	--	--	140 J	--	--
Total pentachlorodibenzo-p-dioxin (PeCDD)	E1613B	--	--	--	218 J	--	--
Total hexachlorodibenzo-p-dioxin (HxCDD)	E1613B	--	--	--	522	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2168	Spring Surface Sediment 2169	Spring Surface Sediment 2170	Spring Surface Sediment 2171	Spring Surface Sediment 2172	Spring Surface Sediment 2173
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Whale Creek	Whale Creek
		River Mile	2.72817	2.8	2.81	2.81	0.04	0.11
		Location ID	NC085SG_20120711	NC078SG_20120504	NC079SG_20120504	NC079SG_20120504	WC002SG_20120510	WC003SG_20120509
		Sample ID	NC085SG-000015-20120711	NC078SG-000006-20120504	NC079SG-000003-20120504	NC079SG-000010-20120504	WC002SG-000012-20120510	WC003SG-000015-20120509
		Sample Date	7/11/2012	5/4/2012	5/4/2012	5/4/2012	5/10/2012	5/9/2012
		Sample Depth	0 - 15 cm	0 - 6 cm	0 - 3 cm	0 - 10 cm	0 - 12 cm	0 - 15 cm
		Water Column Depth	8.6	9.6	22.7	22.7	20.7	15.7
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
Total heptachlorodibenzo-p-dioxin (HpCDD)	E1613B		--	--	--	1610	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B		--	--	--	41.6	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B		--	--	--	50.6	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B		--	--	--	135	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B		--	--	--	141	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B		--	--	--	123	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B		--	--	--	31.3	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B		--	--	--	95.7	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B		--	--	--	792	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B		--	--	--	49.6	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B		--	--	--	1030	--	--
Total tetrachlorodibenzofuran (TCDF)	E1613B		--	--	--	1070 J	--	--
Total pentachlorodibenzofuran (PeCDF)	E1613B		--	--	--	1650 J	--	--
Total hexachlorodibenzofuran (HxCDF)	E1613B		--	--	--	1600 J	--	--
Total heptachlorodibenzofuran (HpCDF)	E1613B		--	--	--	1460	--	--
Total dioxin/furan TEQ 1998 (avian) (U = 0)	--		--	--	--	255.41	--	--
Total dioxin/furan TEQ 1998 (avian) (U = 1/2)	--		--	--	--	255.41	--	--
Total dioxin/furan TEQ 1998 (fish) (U = 0)	--		--	--	--	149.22	--	--
Total dioxin/furan TEQ 1998 (fish) (U = 1/2)	--		--	--	--	149.22	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2168	Spring Surface Sediment 2169	Spring Surface Sediment 2170	Spring Surface Sediment 2171	Spring Surface Sediment 2172	Spring Surface Sediment 2173
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Whale Creek	Whale Creek
River Mile		2.72817	2.8	2.81	2.81	0.04	0.11
Location ID		NC085SG_20120711	NC078SG_20120504	NC079SG_20120504	NC079SG_20120504	WC002SG_20120510	WC003SG_20120509
Sample ID		NC085SG-000015-20120711	NC078SG-000006-20120504	NC079SG-000003-20120504	NC079SG-000010-20120504	WC002SG-000012-20120510	WC003SG-000015-20120509
Sample Date		7/11/2012	5/4/2012	5/4/2012	5/4/2012	5/10/2012	5/9/2012
Sample Depth		0 - 15 cm	0 - 6 cm	0 - 3 cm	0 - 10 cm	0 - 12 cm	0 - 15 cm
Water Column Depth		8.6	9.6	22.7	22.7	20.7	15.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total dioxin/furan TEQ 2005 (mammal) (U = 0)	--	--	--	--	134.58	--	--
Total dioxin/furan TEQ 2005 (mammal) (U = 1/2)	--	--	--	--	134.58	--	--
PCB Aroclors (µg/kg)							
Aroclor 1016	SW8082A	7.1 U	15 U	--	11 U	12 U	16 U
Aroclor 1221	SW8082A	7.1 U	15 U	--	11 U	12 U	16 U
Aroclor 1232	SW8082A	7.1 U	15 U	--	11 U	12 U	16 U
Aroclor 1242	SW8082A	450	2400	--	830	160	240
Aroclor 1248	SW8082A	7.1 U	15 U	--	11 U	12 U	16 U
Aroclor 1254	SW8082A	890	2600	--	1600	260	290
Aroclor 1260	SW8082A	7.1 U	15 U	--	11 U	12 U	16 U
Aroclor 1262	SW8082A	7.1 U	15 U	--	11 U	12 U	16 U
Aroclor 1268	SW8082A	7.1 U	15 U	--	11 U	12 U	16 U
Total PCB Aroclors (U = 0)	--	1340	5000	--	2430	420	530
Total PCB Aroclors (U = 1/2)	--	1364.9	5052.5	--	2468.5	462	586
PCB Congeners (ng/kg)							
PCB-001	E1668B	--	--	--	27300	--	--
PCB-002	E1668B	--	--	--	1390	--	--
PCB-003	E1668B	--	--	--	14400	--	--
PCB-004	E1668B	--	--	--	15200	--	--
PCB-005	E1668B	--	--	--	1260 J	--	--
PCB-006	E1668B	--	--	--	7460	--	--
PCB-007	E1668B	--	--	--	2420	--	--
PCB-008	E1668B	--	--	--	32600	--	--
PCB-009	E1668B	--	--	--	3240	--	--
PCB-010	E1668B	--	--	--	1090	--	--
PCB-011	E1668B	--	--	--	2380	--	--
PCB-012/013	E1668B	--	--	--	3340	--	--
PCB-014	E1668B	--	--	--	9.32 U	--	--
PCB-015	E1668B	--	--	--	16300	--	--
PCB-016	E1668B	--	--	--	20600	--	--
PCB-017	E1668B	--	--	--	17000	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2168	Spring Surface Sediment 2169	Spring Surface Sediment 2170	Spring Surface Sediment 2171	Spring Surface Sediment 2172	Spring Surface Sediment 2173
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Whale Creek	Whale Creek
		River Mile	2.72817	2.8	2.81	2.81	0.04	0.11
		Location ID	NC085SG_20120711	NC078SG_20120504	NC079SG_20120504	NC079SG_20120504	WC002SG_20120510	WC003SG_20120509
		Sample ID	NC085SG-000015-20120711	NC078SG-000006-20120504	NC079SG-000003-20120504	NC079SG-000010-20120504	WC002SG-000012-20120510	WC003SG-000015-20120509
		Sample Date	7/11/2012	5/4/2012	5/4/2012	5/4/2012	5/10/2012	5/9/2012
		Sample Depth	0 - 15 cm	0 - 6 cm	0 - 3 cm	0 - 10 cm	0 - 12 cm	0 - 15 cm
		Water Column Depth	8.6	9.6	22.7	22.7	20.7	15.7
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-018/030	E1668B	--	--	--	--	37500	--	--
PCB-019	E1668B	--	--	--	--	4390	--	--
PCB-020/028	E1668B	--	--	--	--	43700	--	--
PCB-021/033	E1668B	--	--	--	--	29800	--	--
PCB-022	E1668B	--	--	--	--	23100	--	--
PCB-023	E1668B	--	--	--	--	51.5	--	--
PCB-024	E1668B	--	--	--	--	8.33 U	--	--
PCB-025	E1668B	--	--	--	--	3020	--	--
PCB-026/029	E1668B	--	--	--	--	5840	--	--
PCB-027	E1668B	--	--	--	--	3140	--	--
PCB-031	E1668B	--	--	--	--	38600	--	--
PCB-032	E1668B	--	--	--	--	12100	--	--
PCB-034	E1668B	--	--	--	--	86.3	--	--
PCB-035	E1668B	--	--	--	--	1060	--	--
PCB-036	E1668B	--	--	--	--	23.2 U	--	--
PCB-037	E1668B	--	--	--	--	10700	--	--
PCB-038	E1668B	--	--	--	--	60.4 J	--	--
PCB-039	E1668B	--	--	--	--	22.8 U	--	--
PCB-040/071	E1668B	--	--	--	--	18000 J	--	--
PCB-041	E1668B	--	--	--	--	3550 J	--	--
PCB-042	E1668B	--	--	--	--	10400 J	--	--
PCB-043	E1668B	--	--	--	--	1290 J	--	--
PCB-044/047/065	E1668B	--	--	--	--	49000 J	--	--
PCB-045	E1668B	--	--	--	--	--	--	--
PCB-045/051	E1668B	--	--	--	--	4390 J	--	--
PCB-046	E1668B	--	--	--	--	1550 J	--	--
PCB-048	E1668B	--	--	--	--	5740 J	--	--
PCB-049/069	E1668B	--	--	--	--	17900 J	--	--
PCB-050/053	E1668B	--	--	--	--	3090 J	--	--
PCB-051	E1668B	--	--	--	--	--	--	--
PCB-052	E1668B	--	--	--	--	77200 J	--	--
PCB-054	E1668B	--	--	--	--	167 J	--	--
PCB-055	E1668B	--	--	--	--	25.2 UJ	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2168	Spring Surface Sediment 2169	Spring Surface Sediment 2170	Spring Surface Sediment 2171	Spring Surface Sediment 2172	Spring Surface Sediment 2173
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Whale Creek	Whale Creek
		River Mile	2.72817	2.8	2.81	2.81	0.04	0.11
		Location ID	NC085SG_20120711	NC078SG_20120504	NC079SG_20120504	NC079SG_20120504	WC002SG_20120510	WC003SG_20120509
		Sample ID	NC085SG-000015-20120711	NC078SG-000006-20120504	NC079SG-000003-20120504	NC079SG-000010-20120504	WC002SG-000012-20120510	WC003SG-000015-20120509
		Sample Date	7/11/2012	5/4/2012	5/4/2012	5/4/2012	5/10/2012	5/9/2012
		Sample Depth	0 - 15 cm	0 - 6 cm	0 - 3 cm	0 - 10 cm	0 - 12 cm	0 - 15 cm
		Water Column Depth	8.6	9.6	22.7	22.7	20.7	15.7
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-056	E1668B	--	--	--	--	30500 J	--	--
PCB-057	E1668B	--	--	--	--	26.7 UJ	--	--
PCB-058	E1668B	--	--	--	--	25.8 UJ	--	--
PCB-059/062/075	E1668B	--	--	--	--	2440 J	--	--
PCB-060	E1668B	--	--	--	--	14900 J	--	--
PCB-061/070/074/076	E1668B	--	--	--	--	111000 J	--	--
PCB-063	E1668B	--	--	--	--	1300 J	--	--
PCB-064	E1668B	--	--	--	--	20100 J	--	--
PCB-066	E1668B	--	--	--	--	42600 J	--	--
PCB-067	E1668B	--	--	--	--	955 J	--	--
PCB-068	E1668B	--	--	--	--	53 J	--	--
PCB-072	E1668B	--	--	--	--	92.8 J	--	--
PCB-073	E1668B	--	--	--	--	8.45 UJ	--	--
PCB-077	E1668B	--	--	--	--	4400 J	--	--
PCB-078	E1668B	--	--	--	--	831 J	--	--
PCB-079	E1668B	--	--	--	--	1070 J	--	--
PCB-080	E1668B	--	--	--	--	367 J	--	--
PCB-081	E1668B	--	--	--	--	24.6 UJ	--	--
PCB-082	E1668B	--	--	--	--	39000 J	--	--
PCB-083	E1668B	--	--	--	--	11500 J	--	--
PCB-084	E1668B	--	--	--	--	80200 J	--	--
PCB-085/116	E1668B	--	--	--	--	--	--	--
PCB-085/116/117	E1668B	--	--	--	--	35100 J	--	--
PCB-086/087/097/108/119/125	E1668B	--	--	--	--	156000 J	--	--
PCB-088	E1668B	--	--	--	--	--	--	--
PCB-088/091	E1668B	--	--	--	--	24800 J	--	--
PCB-089	E1668B	--	--	--	--	2290 J	--	--
PCB-090/101/113	E1668B	--	--	--	--	103000 J	--	--
PCB-091	E1668B	--	--	--	--	--	--	--
PCB-092	E1668B	--	--	--	--	18000 J	--	--
PCB-093/100	E1668B	--	--	--	--	128 UJ	--	--
PCB-094	E1668B	--	--	--	--	579 J	--	--
PCB-095	E1668B	--	--	--	--	157000 J	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2168	Spring Surface Sediment 2169	Spring Surface Sediment 2170	Spring Surface Sediment 2171	Spring Surface Sediment 2172	Spring Surface Sediment 2173
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Whale Creek	Whale Creek
		River Mile	2.72817	2.8	2.81	2.81	0.04	0.11
		Location ID	NC085SG_20120711	NC078SG_20120504	NC079SG_20120504	NC079SG_20120504	WC002SG_20120510	WC003SG_20120509
		Sample ID	NC085SG-000015-20120711	NC078SG-000006-20120504	NC079SG-000003-20120504	NC079SG-000010-20120504	WC002SG-000012-20120510	WC003SG-000015-20120509
		Sample Date	7/11/2012	5/4/2012	5/4/2012	5/4/2012	5/10/2012	5/9/2012
		Sample Depth	0 - 15 cm	0 - 6 cm	0 - 3 cm	0 - 10 cm	0 - 12 cm	0 - 15 cm
		Water Column Depth	8.6	9.6	22.7	22.7	20.7	15.7
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-096	E1668B	--	--	--	--	1250 J	--	--
PCB-098	E1668B	--	--	--	--	--	--	--
PCB-098/102	E1668B	--	--	--	--	4810 J	--	--
PCB-099	E1668B	--	--	--	--	40500 J	--	--
PCB-102	E1668B	--	--	--	--	--	--	--
PCB-103	E1668B	--	--	--	--	283 J	--	--
PCB-104	E1668B	--	--	--	--	33.9 J	--	--
PCB-105	E1668B	--	--	--	--	82900 J	--	--
PCB-106	E1668B	--	--	--	--	41.9 UJ	--	--
PCB-107/124	E1668B	--	--	--	--	5470 J	--	--
PCB-109	E1668B	--	--	--	--	10900 J	--	--
PCB-110	E1668B	--	--	--	--	--	--	--
PCB-110/115	E1668B	--	--	--	--	314000 J	--	--
PCB-111	E1668B	--	--	--	--	89.1 UJ	--	--
PCB-112	E1668B	--	--	--	--	92.9 UJ	--	--
PCB-114	E1668B	--	--	--	--	4630	--	--
PCB-115	E1668B	--	--	--	--	--	--	--
PCB-117	E1668B	--	--	--	--	--	--	--
PCB-118	E1668B	--	--	--	--	206000 J	--	--
PCB-120	E1668B	--	--	--	--	92.4 UJ	--	--
PCB-121	E1668B	--	--	--	--	91.3 UJ	--	--
PCB-122	E1668B	--	--	--	--	2800 J	--	--
PCB-123	E1668B	--	--	--	--	3150 J	--	--
PCB-126	E1668B	--	--	--	--	1460	--	--
PCB-127	E1668B	--	--	--	--	264 J	--	--
PCB-128/166	E1668B	--	--	--	--	67200 J	--	--
PCB-129/138/163	E1668B	--	--	--	--	258000 J	--	--
PCB-130	E1668B	--	--	--	--	14900 J	--	--
PCB-131	E1668B	--	--	--	--	4150 J	--	--
PCB-132	E1668B	--	--	--	--	124000 J	--	--
PCB-133	E1668B	--	--	--	--	907 J	--	--
PCB-134	E1668B	--	--	--	--	17500 J	--	--
PCB-135/151	E1668B	--	--	--	--	39500 J	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2168	Spring Surface Sediment 2169	Spring Surface Sediment 2170	Spring Surface Sediment 2171	Spring Surface Sediment 2172	Spring Surface Sediment 2173
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Whale Creek	Whale Creek
		River Mile	2.72817	2.8	2.81	2.81	0.04	0.11
		Location ID	NC085SG_20120711	NC078SG_20120504	NC079SG_20120504	NC079SG_20120504	WC002SG_20120510	WC003SG_20120509
		Sample ID	NC085SG-000015-20120711	NC078SG-000006-20120504	NC079SG-000003-20120504	NC079SG-000010-20120504	WC002SG-000012-20120510	WC003SG-000015-20120509
		Sample Date	7/11/2012	5/4/2012	5/4/2012	5/4/2012	5/10/2012	5/9/2012
		Sample Depth	0 - 15 cm	0 - 6 cm	0 - 3 cm	0 - 10 cm	0 - 12 cm	0 - 15 cm
		Water Column Depth	8.6	9.6	22.7	22.7	20.7	15.7
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-136	E1668B	--	--	--	--	31900 J	--	--
PCB-137	E1668B	--	--	--	--	4960 J	--	--
PCB-139/140	E1668B	--	--	--	--	1520 J	--	--
PCB-141	E1668B	--	--	--	--	24600 J	--	--
PCB-142	E1668B	--	--	--	--	62 UJ	--	--
PCB-143	E1668B	--	--	--	--	58.8 UJ	--	--
PCB-144	E1668B	--	--	--	--	4420 J	--	--
PCB-145	E1668B	--	--	--	--	38.1 J	--	--
PCB-146	E1668B	--	--	--	--	9850 J	--	--
PCB-147/149	E1668B	--	--	--	--	122000 J	--	--
PCB-148	E1668B	--	--	--	--	17.4 UJ	--	--
PCB-150	E1668B	--	--	--	--	111 J	--	--
PCB-152	E1668B	--	--	--	--	154 J	--	--
PCB-153/168	E1668B	--	--	--	--	59000 J	--	--
PCB-154	E1668B	--	--	--	--	272 J	--	--
PCB-155	E1668B	--	--	--	--	177 UJ	--	--
PCB-156/157	E1668B	--	--	--	--	25200	--	--
PCB-158	E1668B	--	--	--	--	22400 J	--	--
PCB-159	E1668B	--	--	--	--	47.3 UJ	--	--
PCB-160	E1668B	--	--	--	--	46.5 UJ	--	--
PCB-161	E1668B	--	--	--	--	42.2 UJ	--	--
PCB-162	E1668B	--	--	--	--	42.7 UJ	--	--
PCB-164	E1668B	--	--	--	--	17800 J	--	--
PCB-165	E1668B	--	--	--	--	47.9 UJ	--	--
PCB-167	E1668B	--	--	--	--	8130 J	--	--
PCB-169	E1668B	--	--	--	--	122 J	--	--
PCB-170	E1668B	--	--	--	--	119000 J	--	--
PCB-171/173	E1668B	--	--	--	--	31800 J	--	--
PCB-172	E1668B	--	--	--	--	7700 J	--	--
PCB-174	E1668B	--	--	--	--	126000 J	--	--
PCB-175	E1668B	--	--	--	--	1360 J	--	--
PCB-176	E1668B	--	--	--	--	5790 J	--	--
PCB-177	E1668B	--	--	--	--	79000 J	--	--

Table A4-2
Surface Sediment Analytical Results

		Task	Spring Surface Sediment 2168	Spring Surface Sediment 2169	Spring Surface Sediment 2170	Spring Surface Sediment 2171	Spring Surface Sediment 2172	Spring Surface Sediment 2173
		Tributary	Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Whale Creek	Whale Creek
		River Mile	2.72817	2.8	2.81	2.81	0.04	0.11
		Location ID	NC085SG_20120711	NC078SG_20120504	NC079SG_20120504	NC079SG_20120504	WC002SG_20120510	WC003SG_20120509
		Sample ID	NC085SG-000015-20120711	NC078SG-000006-20120504	NC079SG-000003-20120504	NC079SG-000010-20120504	WC002SG-000012-20120510	WC003SG-000015-20120509
		Sample Date	7/11/2012	5/4/2012	5/4/2012	5/4/2012	5/10/2012	5/9/2012
		Sample Depth	0 - 15 cm	0 - 6 cm	0 - 3 cm	0 - 10 cm	0 - 12 cm	0 - 15 cm
		Water Column Depth	8.6	9.6	22.7	22.7	20.7	15.7
		Sample Type	N	N	N	N	N	N
		Matrix	SE	SE	SE	SE	SE	SE
PCB-178	E1668B	--	--	--	--	7610 J	--	--
PCB-179	E1668B	--	--	--	--	25100 J	--	--
PCB-180/193	E1668B	--	--	--	--	98000 J	--	--
PCB-181	E1668B	--	--	--	--	338 J	--	--
PCB-182	E1668B	--	--	--	--	51.8 UJ	--	--
PCB-183	E1668B	--	--	--	--	--	--	--
PCB-183/185	E1668B	--	--	--	--	20800 J	--	--
PCB-184	E1668B	--	--	--	--	41.4 UJ	--	--
PCB-185	E1668B	--	--	--	--	--	--	--
PCB-186	E1668B	--	--	--	--	39.9 UJ	--	--
PCB-187	E1668B	--	--	--	--	170000 J	--	--
PCB-188	E1668B	--	--	--	--	175 UJ	--	--
PCB-189	E1668B	--	--	--	--	1410	--	--
PCB-190	E1668B	--	--	--	--	16700 J	--	--
PCB-191	E1668B	--	--	--	--	2090 J	--	--
PCB-192	E1668B	--	--	--	--	65.1 UJ	--	--
PCB-194	E1668B	--	--	--	--	50500 J	--	--
PCB-195	E1668B	--	--	--	--	26000 J	--	--
PCB-196	E1668B	--	--	--	--	18300 J	--	--
PCB-197	E1668B	--	--	--	--	--	--	--
PCB-197/200	E1668B	--	--	--	--	5870 J	--	--
PCB-198/199	E1668B	--	--	--	--	110000 J	--	--
PCB-200	E1668B	--	--	--	--	--	--	--
PCB-201	E1668B	--	--	--	--	4050 J	--	--
PCB-202	E1668B	--	--	--	--	38600 J	--	--
PCB-203	E1668B	--	--	--	--	28700 J	--	--
PCB-204	E1668B	--	--	--	--	125 UJ	--	--
PCB-205	E1668B	--	--	--	--	1760 J	--	--
PCB-206	E1668B	--	--	--	--	168000 J	--	--
PCB-207	E1668B	--	--	--	--	6210 J	--	--
PCB-208	E1668B	--	--	--	--	79200 J	--	--
PCB-209	E1668B	--	--	--	--	220000 J	--	--
Total PCB congener (U = 0)	--	--	--	--	--	4436456 J	--	--

Table A4-2
Surface Sediment Analytical Results

Task		Spring Surface Sediment 2168	Spring Surface Sediment 2169	Spring Surface Sediment 2170	Spring Surface Sediment 2171	Spring Surface Sediment 2172	Spring Surface Sediment 2173
Tributary		Newtown Creek	Newtown Creek	Newtown Creek	Newtown Creek	Whale Creek	Whale Creek
River Mile		2.72817	2.8	2.81	2.81	0.04	0.11
Location ID		NC085SG_20120711	NC078SG_20120504	NC079SG_20120504	NC079SG_20120504	WC002SG_20120510	WC003SG_20120509
Sample ID		NC085SG-000015-20120711	NC078SG-000006-20120504	NC079SG-000003-20120504	NC079SG-000010-20120504	WC002SG-000012-20120510	WC003SG-000015-20120509
Sample Date		7/11/2012	5/4/2012	5/4/2012	5/4/2012	5/10/2012	5/9/2012
Sample Depth		0 - 15 cm	0 - 6 cm	0 - 3 cm	0 - 10 cm	0 - 12 cm	0 - 15 cm
Water Column Depth		8.6	9.6	22.7	22.7	20.7	15.7
Sample Type		N	N	N	N	N	N
Matrix		SE	SE	SE	SE	SE	SE
Total PCB congener (U = 1/2)	--	--	--	--	4437331 J	--	--
Total PCB congener TEQ 1998 (avian) (U = 0)	--	--	--	--	379.6 J	--	--
Total PCB congener TEQ 1998 (avian) (U = 1/2)	--	--	--	--	380.8 J	--	--
Total PCB congener TEQ 1998 (fish) (U = 0)	--	--	--	--	9.4 J	--	--
Total PCB congener TEQ 1998 (fish) (U = 1/2)	--	--	--	--	9.4 J	--	--
Total PCB congener TEQ 2005 (mammal) (U = 0)	--	--	--	--	160 J	--	--
Total PCB congener TEQ 2005 (mammal) (U = 1/2)	--	--	--	--	160 J	--	--
Total Petroleum Hydrocarbons (mg/kg)							
Diesel range organics (C10 - C28)	SW8015M	3040	10700	--	27900	2540	3890
Phytane	SW8015M	1.45 J	5.2 J	--	52.6	2.75 J	4.35 J
Pristane	SW8015M	1.03 J	7.77	--	37.2	3.97	6.76
Total petroleum hydrocarbons (C9-C40)	SW8015M	5570	20500	--	41700	4540	7010
Radionuclides (pci/g)							
Beryllium 7	HASL300	--	--	0.547 U	--	--	--

Table A4-2
Surface Sediment Analytical Results

Notes:
Bold = Detected result
-- = data not available
µg/kg = microgram per kilogram
BTEX = benzene, toluene, ethylbenzene, and xylene
cm = centimeter
cPAH = carcinogenic polycyclic aromatic hydrocarbon
DDD = dichloro-diphenyl-dichloroethane
DDE = dichloro-diphenyl-dichloroethene
DDT = dichloro-diphenyl-trichloroethane
FD = field duplicate
FS = Feasibility Study
HPAH = high-molecular-weight polycyclic aromatic hydrocarbon
ID = identification
J = estimated value
lb/ft³ = pounds per cubic foot
LPAH = low-molecular-weight polycyclic aromatic hydrocarbon
MEK = Methyl ethyl ketone
mg/kg = milligram per kilogram
N = normal environmental
ng/kg = nanogram per kilogram
PAH = polycyclic aromatic hydrocarbon
PCB = polychlorinated biphenyl
pci/g = picocuries per gram
pct = percent
R = rejected
RI = Remedial Investigation
SU = standard unit
TEQ = toxic equivalent
U = compound analyzed but not detected above detection limit
UJ = compound analyzed but not detected above estimated detection limit
USEPA = U.S. Environmental Protection Agency