Table 3-1
Surface Soil, Subsurface Soil, and Groundwater Investigation Sample Summary and Rationale
Metropolitan Former MGP, Brooklyn, New York

Sample ID	Sample Identification	Sample Interval	Date Collected		Sample Rationale	Total Depth	Laboratory Analysis
Site Surface Soil							
SS-1	SS-1 (0-2)	0 to 2	9/14/2010	grab	Evaluate existing surface soil on Site. Located on west side of Pathmark building between building and canal at SB-9/MW-9 location.	2-inches	TCL VOCs, TCL SVOCs, TAL Metals, Free CN, PCBs (as Aroclors), TCL Pesticides & Herbicides
SS-2	SS-2 (0 - 2)	0 to 2	9/14/2010	grab	Evaluate existing surface soil on Site. Located on west side of Pathmark building between building and canal north of the SB-9/MW-9 location.	2-inches	VOCs, SVOCs, RCRA 8 Metals, Free CN
SS-3	SS-3 (0 - 2)	0 to 2	9/16/2010	grab	Evaluate existing surface soil on Site. Located on west side of Pathmark building between building and canal north of the SB-9/MW-9 location.	2-inches	VOCs, SVOCs, RCRA 8 Metals, Free CN
Subsurface Soil							
SB-1	SB-1 (4-5)	4 to 5	4/5/2010	Grab	East of the site to characterize the background soil quality near eastern edge of former MGP footprint .	72	VOCs, SVOCs, RCRA 8 Metals, and Free CN
	SB-1 (5-7)	5 to 7	4/8/2010	Grab			VOCs, SVOCs, RCRA 8 Metals, and Free CN
	SB-1 (40-45)	40 to 45	4/6/2010	Grab			VOCs, SVOCs, RCRA 8 Metals, and Free CN
	SB-1 (71-72)	71 to 72	4/6/2010	Grab			VOCs, SVOCs, RCRA 8 Metals, and Free CN
SB-2	SB-2 (1-2)	1 to 2	4/8/2010	Grab	Eastern area of the site to characterize soils adjacent to the former Holder 2 and 3.	72	VOCs, SVOCs, RCRA 8 Metals, and Free CN
	SB-2 (40-45)	40 to 45	4/9/2010	Grab			VOCs, SVOCs, RCRA 8 Metals, and Free CN
	SB-2 (71-72)	71 to 72	4/9/2010	Grab			VOCs, SVOCs, RCRA 8 Metals, and Free CN
SB-3	SB-3 (4-5)	4 to 5	4/13/2010	Grab	Central area of the site to characterize soils adjacent to the former Holder 5and downgradient of primary NAPL producing recovery wells RW9 through RW-13 and RW-39 and 40.	60	VOCs, SVOCs, RCRA 8 Metals, and Free CN
	SB-3 (30-35)	30 to 35	4/13/2010	Grab			VOCs, SVOCs, RCRA 8 Metals, and Free CN
	SB-3 (59-60)	59 to 60	4/13/2010	Grab			VOCs, SVOCs, RCRA 8 Metals, and Free CN
SB-4	SB-4 (4-5)	4 to 5	4/27/2010	Grab	Western edge of the site to characterize soils adjacent to former generator house and tar tank area. The deeper samples were to characterize the Jameco Gravel and Gardner's clay.	144	VOCs, SVOCs, RCRA 8 Metals, and Free CN
	SB-4 (32-34)	32 to 34	4/27/2010	Grab			VOCs, SVOCs, RCRA 8 Metals, and Free CN
	SB-4 (58-60)	58 to 60	4/27/2010	Grab			VOCs, SVOCs, RCRA 8 Metals, and Free CN
	MW-4D1 (116-118)	116 to 118	4/27/2011	Grab			VOCs, SVOCS, TAL Metals, PCBs, and Free CN
	MW-4D2 (142-144)	142 to 144	4/27/2011	Grab			VOCs, SVOCS, TAL Metals, PCBs, and Free CN
SB-5	SB-5 (4-5)	4 to 5	4/21/2010	Grab	South of the site to characterize soils downgradient from the former MGP operations.	72	TCL VOCs, TCL SVOCs, TAL Metals, Free CN, PCBs (as Aroclors), TCL Pesticides & Herbicides
	SB-5 (39-40)	39 to 40	4/21/2010	Grab			TCL VOCs, TCL SVOCs, TAL Metals, Free CN, PCBs (as Aroclors), TCL Pesticides & Herbicides
	SB-5 (70-72)	70 to 72	4/22/2010	Grab			TCL VOCs, TCL SVOCs, TAL Metals, Free CN, PCBs (as Aroclors), TCL Pesticides & Herbicides
SB-6	SB-6 (4-5)	4 to 5	4/20/2010	Grab	South of the site to characterize soils cross/down gradient from the former MGP operations.	50	TCL VOCs, TCL SVOCs, TAL Metals, Free CN, PCBs (as Aroclors), TCL Pesticides & Herbicides
	SB-6 (26-28)	26 to 28	4/20/2010	Grab			TCL VOCs, TCL SVOCs, TAL Metals, Free CN, PCBs (as Aroclors), TCL Pesticides & Herbicides
	SB-6 (49-50)	49 to 50	4/21/2010	Grab			TCL VOCs, TCL SVOCs, TAL Metals, Free CN, PCBs (as Aroclors), TCL Pesticides & Herbicides
SB-7	SB-7 (4-5)	4 to 5	4/28/2010	Grab	Southern edge of the site to characterize soils adjacent to the former MGP operations and gas holder No. 5.	50	VOCs, SVOCs, RCRA 8 Metals, and Free CN
	SB-7 (10-12)	10 to 12	4/28/2010	Grab			VOCs, SVOCs, RCRA 8 Metals, and Free CN
	SB-7 (37-40)	37 to 40	4/29/2010	Grab			VOCs, SVOCs, RCRA 8 Metals, and Free CN
	SB-7 (48-50)	48 to 50	4/29/2010	Grab			VOCs, SVOCs, RCRA 8 Metals, and Free CN

Table 3-1
Surface Soil, Subsurface Soil, and Groundwater Investigation Sample Summary and Rationale
Metropolitan Former MGP, Brooklyn, New York

Sample ID	Sample Identification	Sample Interval	Date Collected		Sample Rationale	Total Depth	Laboratory Analysis
Subsurface Soil (continued)							
SB-8	SB-8 (3-4)	3 to 4	5/5/2010	Grab	Southern edge of the site to characterize soils adjacent to the former MGP operations /Holder 4 and delineate deep impacts noted at RB-1 to east adjacent to Holder 1.	50	TCL VOCs, TCL SVOCs, TAL Metals, Free CN, PCBs (as Aroclors), TCL Pesticides & Herbicides
	SB-8 (34-35)	34 to 35	5/5/2010	Grab			TCL VOCs, TCL SVOCs, TAL Metals, Free CN, PCBs (as Aroclors), TCL Pesticides & Herbicides
	SB-8 (48-50)	48 to 50	5/5/2010	Grab			TCL VOCs, TCL SVOCs, TAL Metals, Free CN, PCBs (as Aroclors), TCL Pesticides & Herbicides
SB-9	SB-9 (4.5-5.0)	4.5 to 5	9/14/2010	Grab	Western edge of the site to characterize soils adjacent to the former tar tank area and the Gowanus Canal.	80	VOCs, SVOCs, RCRA 8 Metals, and Free CN
	SB-9 (40-45)	40 to 45	9/15/2010	Grab			VOCs, SVOCs, RCRA 8 Metals, and Free CN
	SB-9 (55-60)	55 to 60	9/15/2010	Grab			VOCs, SVOCs, RCRA 8 Metals, and Free CN
	SB-9 (75-80)	75 to 80	9/16/2010	Grab			VOCs, SVOCs, RCRA 8 Metals, and Free CN
SB-10	SB-10 (4-5)	4 to 5	4/15/2010	Grab	South of the site to characterize a soils to the west-southwest of the former MGP operations.	50	VOCs, SVOCs, RCRA 8 Metals, and Free CN
	SB-10 (35-40)	35 to 40	4/15/2010	Grab			VOCs, SVOCs, RCRA 8 Metals, and Free CN
	SB-10 (49-50)	49 to 50	4/15/2010	Grab			VOCs, SVOCs, RCRA 8 Metals, and Free CN
SB-11	SB-11 (4-5)	4 to 5	4/19/2010	Grab	West of the site to characterize soils to the west of former Holders No. 1 and No. 2 and north-northwest of former Holder No. 5.	60	VOCs, SVOCs, RCRA 8 Metals, and Free CN
	SB-11 (30-33)	30 to 33	4/19/2010	Grab			VOCs, SVOCs, RCRA 8 Metals, and Free CN
	SB-11 (59-60)	59 to 60	4/19/2010	Grab			VOCs, SVOCs, RCRA 8 Metals, and Free CN
SB-12	SB-12 (2-3.5)	2 to 3.5	4/12/2010	Grab	Southern edge of the site to characterize soils adjacent to the former Holder No. 5 and to delineate impacts observed at LB-5	50	VOCs, SVOCs, RCRA 8 Metals, and Free CN
	SB-12 (30-35)	30 to 35	4/12/2010	Grab			VOCs, SVOCs, RCRA 8 Metals, and Free CN
	SB-12 (49-50)	49 to 50	4/12/2010	Grab			VOCs, SVOCs, RCRA 8 Metals, and Free CN
SB-13	SB-13 (4-5)	4 to 5	4/14/2010	Grab	West-southwest area of the site to characterize soils adjacent to former Holders 1 and 2. and deep impacts at RB-1, LB-2, and LB-5.	70	VOCs, SVOCs, RCRA 8 Metals, and Free CN
	SB-13 (35-40)	35 to 40	4/14/2010	Grab			VOCs, SVOCs, RCRA 8 Metals, and Free CN
	SB-13 (69-70)	69 to 70	4/15/2010	Grab			VOCs, SVOCs, RCRA 8 Metals, and Free CN
SB-14	SB-14 (4-5)	4 to 5	4/1/2010	Grab	Western area of the site to characterize soils adjacent to Holders 2 and 3 and downgradient of primary NAPL producing recovery wells RW9 through RW-13 and RW-39 and 40.	70	TCL VOCs, TCL SVOCs, TAL Metals, Free CN, PCBs (as Aroclors), TCL Pesticides & Herbicides
	SB-14 (5-6)	5 to 6	4/1/2010	Grab			TCL VOCs, TCL SVOCs, TAL Metals, Free CN, PCBs (as Aroclors), TCL Pesticides & Herbicides
	SB-14 (9-10)	9 to 10	4/1/2010	Grab			TCL VOCs, TCL SVOCs, TAL Metals, Free CN, PCBs (as Aroclors), TCL Pesticides & Herbicides
	SB-14 (69-70)	69 to 70	4/2/2010	Grab			TCL VOCs, TCL SVOCs, TAL Metals, Free CN, PCBs (as Aroclors), TCL Pesticides & Herbicides
SB-15	SB-15 (4-5)	4 to 5	4/14/2010	Grab	Western area of the site to characterize soils at the edge of former Holder 5 foundation, the western area of former Holder 2, and downgradient of primary NAPL producing recovery wells RW9 through RW-13 and RW-39 and 40.	70	VOCs, SVOCs, RCRA 8 Metals, and Free CN
	SB-15 (37-39)	37 to 39	4/14/2010	Grab			VOCs, SVOCs, RCRA 8 Metals, and Free CN
	SB-15 (69-70)	69 to 70	4/14/2010	Grab			VOCs, SVOCs, RCRA 8 Metals, and Free CN
SB-16	SB-16 (4-5)	4 to 5	5/5/2010	Grab	Southern area of the site to characterize soils west of former Holder 1 and adjacent to former shaving scrubbers and extent of deep impacts to east at RB-1, LB-2, and LB-5.	70	VOCs, SVOCs, RCRA 8 Metals, and Free CN
	SB-16 (10-13)	10 to 13	5/6/2010	Grab			VOCs, SVOCs, RCRA 8 Metals, and Free CN
	SB-16 (68-70)	68 to 70	5/6/2010	Grab			VOCs, SVOCs, RCRA 8 Metals, and Free CN
SB-17	SB-17 (4-5)	4 to 5	5/3/2010	Grab	Southern area of the site to characterize soils adjacent to former tar extractors and condensers along 12th Street.	50	VOCs, SVOCs, RCRA 8 Metals, and Free CN
	SB-17 (30-32)	30 to 32	5/4/2010	Grab			VOCs, SVOCs, RCRA 8 Metals, and Free CN
	SB-17 (48-50)	48 to 50	5/4/2010	Grab			VOCs, SVOCs, RCRA 8 Metals, and Free CN

Table 3-1
Surface Soil, Subsurface Soil, and Groundwater Investigation Sample Summary and Rationale
Metropolitan Former MGP, Brooklyn, New York

Sample ID	Sample Identification	Sample Interval	Date Collected		Sample Rationale	Total Depth	Laboratory Analysis
Subsurface Soil (continued)							
SB-18	SB-18 (1-2)	1 to 2	4/20/2010	Grab	Southern area of the site to characterize soils downgradient of former tar extractors and condensers along 12th Street.	70	VOCs, SVOCs, RCRA 8 Metals, and Free CN
	SB-18 (28-30)	28 to 30	4/20/2010	Grab			VOCs, SVOCs, RCRA 8 Metals, and Free CN
	SB-18 (69-70)	69 to 70	4/20/2010	Grab			VOCs, SVOCs, RCRA 8 Metals, and Free CN
SB-19	SB-19 (37-37.5)	37 to 37.5	10/2/2011	Grab	West/southwest of the site (off-site) to characterize soil to the north of the Gowanus Canal and SB-4.	75	VOCs, SVOCs, RCRA 8 Metals, and Free CN
	SB-19 (72.5-75)	72..5 to 75	10/2/2011	Grab			VOCs, SVOCs, RCRA 8 Metals, and Free CN
SB-20	SB-20 (9-10)	9 to 10	10/16/2011	Grab	West/southwest of the site (off-site) to characterize soil to the north of the Gowanus Canal and SB-4.	85	VOCs, SVOCs, RCRA 8 Metals, and Free CN
	SB-20 (82.5-85)	83 to 85	10/16/2011	Grab			VOCs, SVOCs, RCRA 8 Metals, and Free CN
SB-21	SB-21 (25-27.5)	25 to 27.5	10/18/2011	Grab	Evaluate impacts noted at RW-7 and lack of impacts noted at PB-7. Determine if MGP impacts are present north of former gas holder No. 1.	90	VOCs, SVOCs, RCRA 8 Metals, and Free CN
	SB-21 (87.5-90)	88 to 90	10/18/2011	Grab	Evaluate impacts noted at RW-7 and lack of impacts noted at PB-7. Determine if MGP impacts are present north of former gas holder No. 1.		VOCs, SVOCs, RCRA 8 metals, and free CN
SB-22	SB-22 (30-33)	30 to 33	10/5/2011	Grab	Northeast of the site to characterize soils northeast of former relief holder No. 4 and north of gas holder No. 1. Evaluate petroleum impacts noted in boring PB-6.	90	VOCs, SVOCs, RCRA 8 metals, and free CN
	SB-22 (35-40)	35 to 40	10/6/2011	Grab			VOCs, SVOCs, RCRA 8 metals, and free CN
	SB-22 (87.5-90)	88 to 90	10/6/2011	Grab			VOCs, SVOCs, RCRA 8 metals, and free CN
SB-23	SB-23 (80-82.5)	80 to 82.5	10/4/2011	Grab	Northeast of the site to characterize soil due to the lack of impacts noted in existing borings PB-3 and GCMW-46.	90	VOCs, SVOCs, RCRA 8 metals, and free CN
	SB-23 (87-90)	87 to 90	10/4/2011	Grab			VOCs, SVOCs, RCRA 8 metals, and free CN
SB-24	SB-24 (65-67.5)	65 to 67.5	10/11/2011	Grab	North/northeast of the site to characterize soil due to lack of impacts noted in existing historical borings in the area.	90	VOCs, SVOCs, RCRA 8 metals, and free CN
	SB-24 (87.5-90)	88 to 90	10/12/2011	Grab			VOCs, SVOCs, RCRA 8 metals, and free CN
SB-25	SB-25 (67.5-70)	67 to 70	10/13/2011	Grab	Northwestern portion of the site to the characterize soil quality PB-1, CGMW-47, and CGMW-45 as originating from the Citizens MGP site to the north.	90	VOCs, SVOCs, RCRA 8 metals, and free CN
	SB-25 (87.5-90)	88 to 90	10/13/2011	Grab			VOCs, SVOCs, RCRA 8 metals, and free CN
SB-26	SB-26 (47-49)	47 to 49	3/13/2012	Grab	West/southwest of the site (off-site) to characterize horizontal extent of impacts noted at SB-19.	70	VOCs, SVOCs, RCRA 8 Metals
	SB-26 (69-70)	69 to 70	3/13/2012	Grab			VOCs, SVOCs, RCRA 8 Metals
TP-1	TP-1(1.5)051910	1.5 to 1.5	5/19/2010	Grab	To evaluate the location and contents of former Holder No. 5, the valve house area, and the coal line along 12th Street	3.8	VOCs, SVOCs, RCRA 8 Metals
TP-1	TP-1(3.8)051910	3.8 3.8	5/19/2010	Grab	To evaluate the location and contents of former Holder No. 5, the valve house area, and the coal line along 12th Street	3.8	VOCs, SVOCs, RCRA 8 Metals
TP-2	TP-2(4-4.5)052010	4 to 4.5	5/20/2010	Grab	To evaluate the location and contents of former Holder No. 5 and the valve house area adjacent to the current building..	4.5	VOCs, SVOCs, RCRA 8 Metals
Groundwater Monitoring Wells							
MW-1S	MW-1S (100410)	3 to 13	10/4/2010	Grab	Upgradient/background location. Evaluate background groundwater quality in site area above "meadow mat".	15	VOCs, SVOCs, RCRA 8 Metals, and Total CN
MW-1I	MW-1I (100410)	30 to 40	10/4/2010	Grab	Upgradient/background location. Evaluate background groundwater quality in upper portion of semi-confined aquifer.	42	VOCs, SVOCs, RCRA 8 Metals, and Total CN
MW-1D	MW-1D (100410)	60 to 70	10/4/2010	Grab	Upgradient/background location. Evaluate background groundwater quality in deeper zone within lower aquifer.	72	VOCs, SVOCs, RCRA 8 Metals, and Total CN
MW-2D	MW-2D (100510)	60 to 70	10/5/2010	Grab	Cross-gradient location adjacent to former Holders 2 and 3. Evaluate deeper zone within lower aquifer. Shallow and intermediate groundwater data available from adjacent site RWs.	72	VOCs, SVOCs, RCRA 8 Metals, and Total CN
MW-3S	MW-3S (100510)	3 to 13	10/5/2010	Grab	Downgradient location of primary NAPL producing recovery wells RW9 through RW-13 and RW-39 and 40. Evaluate possible lateral extent of impacts noted in these RWs. Screened interval set to be consistent with RWs.	15	VOCs, SVOCs, RCRA 8 Metals, and Total CN

Table 3-1
Surface Soil, Subsurface Soil, and Groundwater Investigation Sample Summary and Rationale
Metropolitan Former MGP, Brooklyn, New York

Sample ID	Sample Identification	Sample Interval	Date Collected		Sample Rationale	Total Depth	Laboratory Analysis
Groundwater Monitoring Wells (continued)							
MW-3I	MW-3I (100510)	25 to 50	10/5/2010	Grab	Downgradient location of primary NAPL producing recovery wells RW9 through RW-13 and RW-39 and 40. Evaluate possible lateral extent of impacts noted in these RWs. Screened interval set to be consistent with RWs.	52	VOCs, SVOCs, RCRA 8 Metals, and Total CN
MW-4S	MW-4S (100510)	3 to 13	10/5/2010	Grab	Downgradient site boundary location adjacent to Gowanus Canal. Evaluate potential inputs from Brooklyn Alcatraz Asphalt Company. Evaluate groundwater flux/gradients into canal above "meadow mat".	15	VOCs, SVOCs, RCRA 8 Metals, and Total CN
MW-4I	MW-4I (100510)	25 to 35	10/5/2010	Grab	Downgradient site boundary location adjacent to Gowanus Canal. Evaluate potential inputs from Brooklyn Alcatraz Asphalt Company. Evaluate groundwater flux/gradients into canal in the upper portion of semi-confined aquifer.	37	VOCs, SVOCs, RCRA 8 Metals, and Total CN
MW-4D1	MW-4DI-031812	115 to 120	3/15/2012	Grab	Downgradient site boundary location adjacent to Gowanus Canal. Evaluate potential inputs from Brooklyn Alcatraz Asphalt Company. Evaluate groundwater above the Gardner's Clay unit.	120	VOCs, SVOCs, RCRA 8 Metals, and Total CN
MW-4D2	MW-4D2-031812	142 to 147	3/15/2012	Grab	Downgradient site boundary location adjacent to Gowanus Canal. Evaluate potential inputs from Brooklyn Alcatraz Asphalt Company. Evaluate groundwater above below the Gardner's Clay unit in the Jameco Gravel Aquifer.	147	VOCs, SVOCs, RCRA 8 Metals, and Total CN
MW-5S	MW-5S (100510)	3 to 13	10/6/2010	Grab	Downgradient site boundary location adjacent to Gowanus Canal. Evaluate potential inputs from Brooklyn Alcatraz Asphalt Company. Evaluate groundwater flux/gradients into canal above "meadow mat".	15	TCL VOCs, TCL SVOCs, TAL Metals, Total CN, PCBs (as Aroclors), TCL Pesticides & Herbicides
MW-5I	MW-5I (100510)	38 to 48	10/6/2010	Grab	Downgradient site boundary location adjacent to Gowanus Canal. Evaluate potential inputs from Brooklyn Alcatraz Asphalt Company. Evaluate groundwater flux/gradients into canal in the upper portion of semi-confined aquifer.	50	TCL VOCs, TCL SVOCs, TAL Metals, Total CN, PCBs (as Aroclors), TCL Pesticides & Herbicides
MW-5D	MW-5D (100510)	60 to 70	10/6/2010	Grab	Downgradient site boundary location adjacent to Gowanus Canal. Evaluate potential inputs from Brooklyn Alcatraz Asphalt Company. Evaluate groundwater flux/gradients into canal in deeper zone within lower aquifer.	72	TCL VOCs, TCL SVOCs, TAL Metals, Total CN, PCBs (as Aroclors), TCL Pesticides & Herbicides
MW-6S	MW-6S (100510)	3 to 13	10/5/2010	Grab	Downgradient/cross-gradient site boundary location adjacent to former southern gas holder along southern/western boundary of site.	15	TCL VOCs, TCL SVOCs, TAL Metals, Total CN, PCBs (as Aroclors), TCL Pesticides & Herbicides
MW-6I	MW-6I (100510)	30 to 40	10/5/2010	Grab	Downgradient/cross-gradient site boundary location adjacent to former southern gas holder along southern/western boundary of site.	42	TCL VOCs, TCL SVOCs, TAL Metals, Total CN, PCBs (as Aroclors), TCL Pesticides & Herbicides
MW-7S	MW-7S (100410)	3 to 13	10/5/2010	Grab	Downgradient/cross-gradient site boundary location adjacent to former southern gas holder and operations area along southern/western boundary of site. Evaluate potential inputs from Brooklyn Alcatraz Asphalt Company.	15	VOCs, SVOCs, RCRA 8 Metals, and Total CN
MW-7I	MW-7I (100410)	30 to 40	10/5/2010	Grab	Downgradient/cross-gradient site boundary location adjacent to former southern gas holder and operations area along southern/western boundary of site. Evaluate potential inputs from Brooklyn Alcatraz Asphalt Company.	42	VOCs, SVOCs, RCRA 8 Metals, and Total CN
MW-8S	MW-8S (100510)	3 to 13	10/5/2010	Grab	Downgradient location. Evaluate impacts noted near former Holder 1 to the east. Potential centerline plume location adjacent to Pathmark building.	15	TCL VOCs, TCL SVOCs, TAL Metals, Total CN, PCBs (as Aroclors), TCL Pesticides & Herbicides
MW-8I	MW-8I (100510)	30 to 40	10/5/2010	Grab	Downgradient location. Evaluate impacts noted near former Holder 1 to the east. Potential centerline plume location adjacent to Pathmark building.	42	TCL VOCs, TCL SVOCs, TAL Metals, Total CN, PCBs (as Aroclors), TCL Pesticides & Herbicides

Table 3-1
Surface Soil, Subsurface Soil, and Groundwater Investigation Sample Summary and Rationale
Metropolitan Former MGP, Brooklyn, New York

Sample ID	Sample Identification	Sample Interval	Date Collected		Sample Rationale	Total Depth	Laboratory Analysis
Groundwater Monitoring Wells (continued)							
MW-9S	MW-9S (100610)	5 to 15	10/6/2010	Grab	Anticipated downgradient site boundary location adjacent to Gowanus Canal and former tar tanks. Evaluate groundwater flux/gradients into canal at three aquifer depth intervals.	17	VOCs, SVOCs, RCRA 8 Metals, and Total CN
MW-9I	MW-9I (100610)	35 to 45	10/6/2010	Grab	Anticipated downgradient site boundary location adjacent to Gowanus Canal and former tar tanks. Evaluate groundwater flux/gradients into canal at three aquifer depth intervals.	47	VOCs, SVOCs, RCRA 8 Metals, and Total CN
MW-9D	MW-9D (100610)	60 to 70	10/6/2010	Grab	Anticipated downgradient site boundary location adjacent to Gowanus Canal and former tar tanks. Evaluate groundwater flux/gradients into canal at three aquifer depth intervals.	72	VOCs, SVOCs, RCRA 8 Metals, and Total CN
MW-19S	MW-19S-031812	5 to 15	3/18/2012	Grab	Evaluate the presence of dissolved phase MGP residuals in groundwater offsite to the northwest of the site, evaluate the effect of the Canal on groundwater flow direction and gradients	17	VOCs, SVOCs, RCRA 8 Metals, and Total CN
MW-19I	MW-19I-031812	25 to 35	3/18/2012	Grab	Evaluate the presence of dissolved phase MGP residuals in groundwater offsite to the northwest of the site, evaluate the effect of the Canal on groundwater flow direction and gradients	37	VOCs, SVOCs, RCRA 8 Metals, and Total CN
MW-20S	MW-20S-031812	5 to 15	3/18/2012	Grab	Evaluate the presence of dissolved phase MGP residuals in groundwater offsite to the northwest of the site, evaluate the effect of the Canal on groundwater flow direction and gradients. The wells are RI addendum locations to MW-19S/I.	17	VOCs, SVOCs, RCRA 8 Metals, and Total CN
MW-20I	MW-20I-031812	25 to 35	3/18/2012	Grab	Evaluate the presence of dissolved phase MGP residuals in groundwater offsite to the northwest of the site, evaluate the effect of the Canal on groundwater flow direction and gradients. The wells are RI addendum locations to MW-19S/I.	37	VOCs, SVOCs, RCRA 8 Metals, and Total CN
MW-21D	MW-21D (031512)	60 to 70	3/15/2012	Grab	Evaluate the presence of MGP residuals in groundwater (dissolved and possible free phase) north of former gas holder No. 1. Combine deep aquifer data with shallower data available at existing wells RW-7 and C3S/D.	72	VOCs, SVOCs, RCRA 8 Metals, and Total CN
MW-22I	MW-22I (031512)	25 to 35	3/15/2012	Grab	Evaluate the presence of MGP residuals in groundwater (dissolved and possible free phase) northeast of former relief holder No. 4 and north of gas holder No. 1. Combine with existing data from SB/MW-8S/I on the opposite side of the Pathmark building.	37	VOCs, SVOCs, RCRA 8 Metals, and Total CN
MW-22D	MW-22D (031512)	60 to 70	3/15/2012	Grab	Evaluate the presence of MGP residuals in groundwater (dissolved and possible free phase) northeast of former relief holder No. 4 and north of gas holder No. 1. Combine with existing data from SB/MW-8S/I on the opposite side of the Pathmark building.	72	VOCs, SVOCs, RCRA 8 Metals, and Total CN
MW-23D	MW-23D (031412)	60 to 70	3/14/2012	Grab	Evaluate the presence of MGP residuals in groundwater (dissolved and possible free phase) northeast of former MGP operations area at SB/MW-9. Combine intermediate aquifer data at existing well GCMW-46.	72	VOCs, SVOCs, RCRA 8 Metals, and Total CN
MW-25S	MW-25S (031412)	18 to 28	3/14/2012	Grab	Evaluate the presence of MGP residuals in groundwater (dissolved and possible free phase northeast of former MGP operations area along the canal.	30	VOCs, SVOCs, RCRA 8 Metals, and Total CN
MW-25I	MW25I (031412)	28 to 38	3/14/2012	Grab	Evaluate the presence of MGP residuals in groundwater (dissolved and possible free phase northeast of former MGP operations area along the canal.	40	VOCs, SVOCs, RCRA 8 Metals, and Total CN

Notes:

in bgs = inches below ground surface

Samples collected using a stainless steel trowel.