

January 30, 2014

Mr. William Wu
New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau C, 11th Floor
625 Broadway,
Albany, New York 12233-7014

**Re: Remedial Investigation Deliverable
Former Jamaica Gas Light Manufactured Gas Plant Site
Queens, Queens County, NY
NYSDEC Site No.: 241063, Order on Consent Index #: A2-0552-0606**

Dear Mr. Wu:

National Grid has completed the field investigation portion of the Remedial Investigation (RI) at the Former Jamaica Gas Light Manufactured Gas Plant. The RI field work was conducted as outlined in the New York State Department of Environmental Conservation (NYSDEC)-approved work plan dated May 24, 2013. At this time, the RI Report is being developed pursuant to the Order on Consent and Administrative Settlement Index No. A2-0552-0606 between The Brooklyn Union Gas Company (now d/b/a National Grid) and the NYSDEC, and in accordance with the NYSDEC DER-10, technical guidance for site investigation and remediation. I anticipate sending a draft of the RI Report for your review before the end of March 2014.

In the interim, please find attached an electronic copy of the RI electronic data summary that includes: soil boring logs, soil and groundwater analytical sample results tables, and a summary of depths and impacts observed in soil borings. A separate deliverable for the analytical laboratory electronic data deliverable (EDD) will be uploaded as per the NYSDEC requirements.

I would like to set-up a time to discuss the RI electronic data summary sometime in February. In the meantime, if you have any questions or comments, or if you require any additional information, please do not hesitate to contact me at (718) 963-5480 or at katherine.vater@nationalgrid.com.

Sincerely,



Katherine Vater
Project Manager

Mr. William Wu
January 30, 2014
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Enclosures

Ec- G. Cross, NYSDEC
S. Selmer, NYSDOH
S. Pandya, AECOM
J. Pfeiffer, AECOM

**Jamaica Gas and Light
Former MGP**

SC Soil Boring Logs



Boring ID: SB-1 / MW-1

Page 1 of 2

Project Name: Jamaica Gas Light MGP

Project Number: 60144468-210

Client: National Grid

Date Pre-Cleared: March 5, 2012

Date Started/Completed: March 5, 2012

Drilling Company: Fenley and Nicol

Drilling Method: Direct Push / HSA

Sampling Method: 5 ft Macro-Core®

Boring Diameter: 8 inches

Logged By: Jessica Ehlen

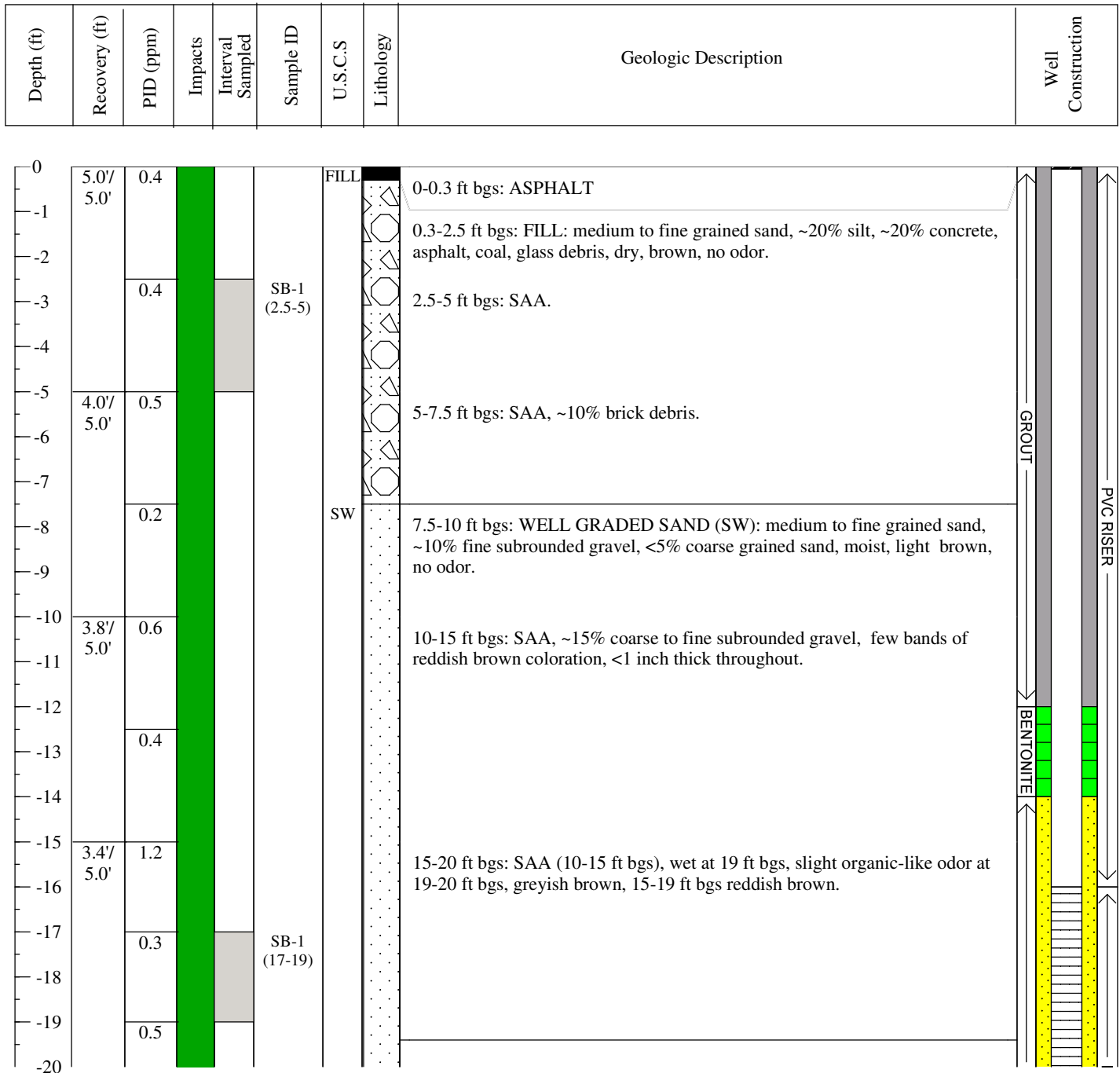
Water Level: ~19 ft bgs

Total Depth: 40 ft bgs

Ground Elevation: 39.02' NAVD 88

Converted To Well (Y/N): Yes

Well ID: MW-1



Notes:

Location was pre-cleared by hand from 0-5 ft bgs.
A 2 inch well was installed at this location from 16 to 26 ft bgs.
Well was installed ~3' south from sampled boring due to auger refusal.

Definitions:

- | | |
|--|------------------------------------|
| 1) NA - Not Applicable | 7) PID - Photo Ionization Detector |
| 2) ft - feet | 8) ppm - parts per million |
| 3) bgs - below ground surface | 9) NAPL - Non-Aqueous Phase Liquid |
| 4) U.S.C.S. - Unified Soil Classification System | 10) HSA - Hollow Stem Auger |
| 5) NAVD 88 - North American Vertical Datum of 1988 | 11) Well Screen 10 Slot |
| 6) SAA - Same As Above | |



Boring ID: SB-1 / MW-1

Page 2 of 2

Project Name: Jamaica Gas Light MGP

Project Number: 60144468-210

Client: National Grid

Date Pre-Cleared: March 5, 2012

Date Started/Completed: March 5, 2012

Drilling Company: Fenley and Nicol

Drilling Method: Direct Push / HSA

Sampling Method: 5 ft Macro-Core®

Boring Diameter: 8 inches

Logged By: Jessica Ehlen

Water Level: ~19 ft bgs

Total Depth: 40 ft bgs

Ground Elevation: 39.02' NAVD 88

Converted To Well (Y/N): Yes

Well ID: MW-1

Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description	Well Construction
-20	5.0'/ 5.0'	1.8						20-25 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~10% coarse grained sand, <5 % fine subrounded gravel, wet, light brown to reddish brown, no odor.	
-21		0.3							
-22	5.0'/ 5.0'	1.1						25-30 ft bgs: WELL GRADED SAND (SW): coarse to fine grained sand, ~5% fine subrounded gravel, wet, light brown, no odor.	
-23		0.5							
-24	5.0'/ 5.0'	1.1						30- 35 ft bgs:SAA.	
-25		0.4							
-26	3.8'/ 5.0'	0.5						35-40 ft bgs: SAA, brown.	
-27		0.5							
-28					SB-1 (37.5-40)				
-29									
-30									
-31									
-32									
-33									
-34									
-35									
-36									
-37									
-38									
-39									
-40								END OF BORING 40 ft bgs	

Notes:

Location was pre-cleared by hand from 0-5 ft bgs.
A 2 inch well was installed at this location from 16 to 26 ft bgs.
Well was installed ~3' south from sampled boring due to auger refusal.

Definitions:

- | | |
|--|------------------------------------|
| 1) NA - Not Applicable | 7) PID - Photo Ionization Detector |
| 2) ft - feet | 8) ppm - parts per million |
| 3) bgs - below ground surface | 9) NAPL - Non-Aqueous Phase Liquid |
| 4) U.S.C.S. - Unified Soil Classification System | 10) HSA - Hollow Stem Auger |
| 5) NAVD 88 - North American Vertical Datum of 1988 | 11) Well Screen 10 Slot |
| 6) SAA - Same As Above | |



Boring ID: SB-2 / MW-2

Page 1 of 2

Project Name: Jamaica Gas Light MGP

Project Number: 60144468-210

Client: National Grid

Date Pre-Cleared: March 6, 2012

Date Started/Completed: March 6, 2012

Drilling Company: Fenley and Nicol

Drilling Method: Direct Push / HSA

Sampling Method: 5 ft Macro-Core®

Boring Diameter: 8 inches

Logged By: Jessica Ehlen

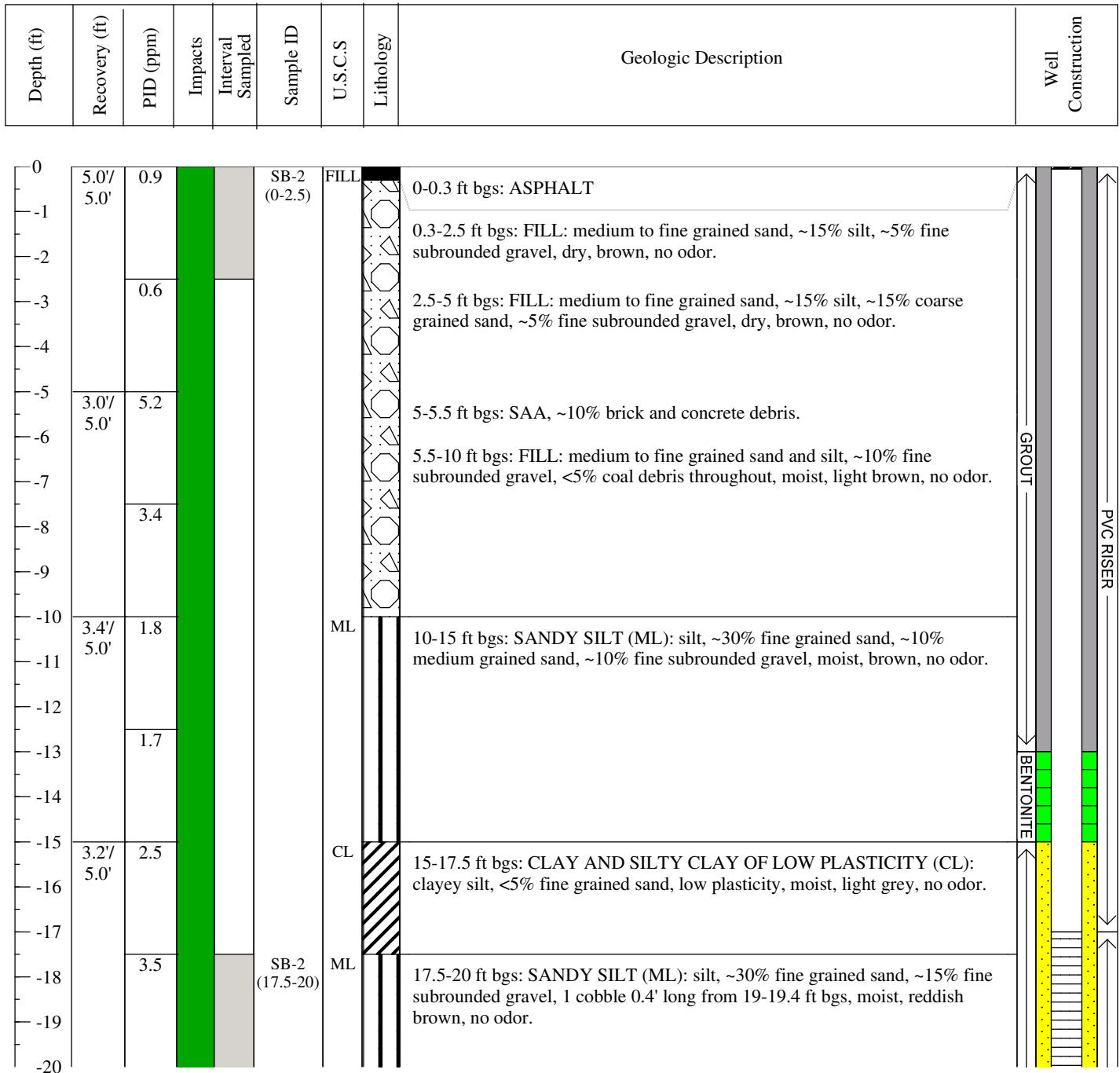
Water Level: ~20 ft bgs

Total Depth: 40 ft bgs

Ground Elevation: 41.38' NAVD 88

Converted To Well (Y/N): Yes

Well ID: MW-2



Notes:

Location was pre-cleared by hand from 0-5 ft bgs.
A 2 inch well was installed at this location from 17 to 27 ft bgs.
Boring collapsed from 40-29 ft bgs while pulling rods augers/rods from borehole.

Definitions:

- | | |
|--|------------------------------------|
| 1) NA - Not Applicable | 7) PID - Photo Ionization Detector |
| 2) ft - feet | 8) ppm - parts per million |
| 3) bgs - below ground surface | 9) NAPL - Non-Aqueous Phase Liquid |
| 4) U.S.C.S. - Unified Soil Classification System | 10) HSA - Hollow Stem Auger |
| 5) NAVD 88 - North American Vertical Datum of 1988 | 11) Well Screen 10 Slot |
| 6) SAA - Same As Above | |



Boring ID: SB-2 / MW-2

Page 2 of 2

Project Name: Jamaica Gas Light MGP

Project Number: 60144468-210

Client: National Grid

Date Pre-Cleared: March 6, 2012

Date Started/Completed: March 6, 2012

Drilling Company: Fenley and Nicol

Drilling Method: Direct Push / HSA

Sampling Method: 5 ft Macro-Core®

Boring Diameter: 8 inches

Logged By: Jessica Ehlen

Water Level: ~20 ft bgs

Total Depth: 40 ft bgs

Ground Elevation: 41.38' NAVD 88

Converted To Well (Y/N): Yes

Well ID: MW-2

Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description	Well Construction
-20									
-21	2.8'/5.0'	3.3					SW	20-25 ft bgs: WELL GRADED SAND (SW): coarse to fine grained sand, ~15% fine subrounded gravel, wet, light brown, no odor.	
-22									
-23		2.7							
-24									
-25	2.8'/5.0'	4.5						25-30 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~15% coarse grained sand, <5% fine subrounded gravel, wet, light brown, no odor.	
-26									
-27									
-28		2.7							
-29									
-30	5.0'/5.0'	3.2						30-35 ft bgs: SAA.	
-31									
-32									
-33		2.5							
-34									
-35	5.0'/5.0'	2.4						35-40 ft bgs: SAA.	
-36									
-37									
-38		1.3			SB-2 (37.5-40)				
-39									
-40								END OF BORING 40 ft bgs	

Notes:

Location was pre-cleared by hand from 0-5 ft bgs.

A 2 inch well was installed at this location from 17 to 27 ft bgs.

Boring collapsed from 40-29 ft bgs while pulling rods augers/rods from borehole.

Definitions:

1) NA - Not Applicable

2) ft - feet

3) bgs - below ground surface

4) U.S.C.S. - Unified Soil Classification System

5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

7) PID - Photo Ionization Detector

8) ppm - parts per million

9) NAPL - Non-Aqueous Phase Liquid

10) HSA - Hollow Stem Auger

11) Well Screen 10 Slot



Boring ID: SB-3

Page 1 of 1

Project Name: Jamaica Gas Light MGP

Project Number: 60144468-210

Client: National Grid

Date Pre-Cleared: February 27, 2012

Date Started/Completed: February 27, 2012

Drilling Company: Fenley and Nicol

Drilling Method: Direct Push

Sampling Method: 5 ft Macro-Core®

Boring Diameter: 3 and 3/16 inches

Logged By: Jessica Ehlen

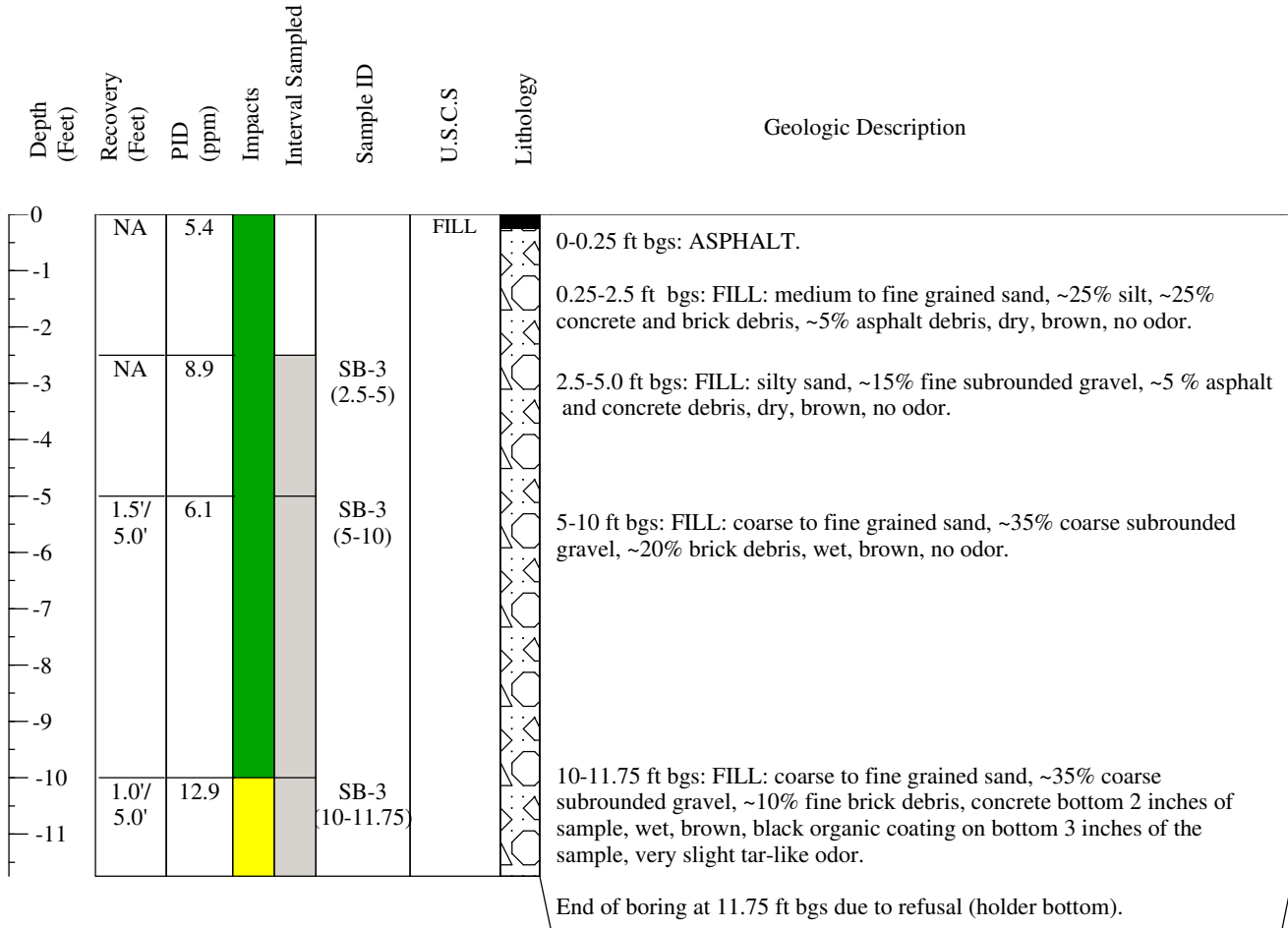
Water Level: ~5 ft bgs

Total Depth: 11.75 ft bgs

Ground Elevation: 40.78' NAVD 88

Converted To Well (Y/N): No

Well ID: NA



Notes:

Location was pre-cleared by hand from 0-5 ft bgs.
Impacts include visual and olfactory observations.

Definitions:

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S. - Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid



Boring ID: SB-4

Page 1 of 1

Project Name: Jamaica Gas Light MGP

Project Number: 60144468-210

Client: National Grid

Date Pre-Cleared: February 27, 2012

Date Started/Completed: February 27, 2012

Drilling Company: Fenley and Nicol

Drilling Method: Direct Push

Sampling Method: 5 ft Macro-Core®

Boring Diameter: 3 and 3/16 inches

Logged By: Jessica Ehlen

Water Level: ~10 ft bgs

Total Depth: 13 ft bgs

Ground Elevation: 42.28' NAVD 88

Converted To Well (Y/N): No

Well ID: NA

Depth (Feet)	Recovery (Feet)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description
0	5.0'/ 5.0'	4.2						0-0.2 ft bgs: ASPHALT
-1								0.2-1.5 ft bgs: FILL: medium to fine grained sand, ~25% silt, ~25% brick and concrete debris, brown, dry, no odor.
-2		6.1						1.5-3 ft bgs: SAA, moist.
-3		7.5			SB-4 (3-5)			3- 5 ft bgs: FILL: sandy silt, ~15% fine concrete and brick debris, moist, brown, no odor.
-4								
-5	3.3'/ 5.0'	7.3			SB-4 (5-8.5)			5-8.5 ft bgs: FILL: sandy silt, ~10% fine subrounded gravel, ~10% clay, moist, brown, slight organic odor.
-6								
-7								
-8								
-9		24.5			SB-4 (8.5-10)			8.5-10 ft bgs: FILL: wood debris (piling), creosote-like odor.
-10	1.8'/ 5.0'	14.9			SB-4 (10-13)			10-13 ft bgs: FILL: sandy silt, ~30% clay, ~10% wood, concrete, and brick debris, low plasticity, wet, 2 inches of concrete at bottom of sample, slight tar-like odor.
-11								
-12								
-13								End of boring at 13 ft bgs due to refusal (holder bottom).

Notes:

Location was pre-cleared by hand from 0-5 ft bgs.
Impacts include visual and olfactory observations.

Definitions:

- | | |
|--|------------------------------------|
| 1) NA - Not Applicable | 7) PID - Photo Ionization Detector |
| 2) ft - feet | 8) ppm - parts per million |
| 3) bgs - below ground surface | 9) NAPL - Non-Aqueous Phase Liquid |
| 4) U.S.C.S. - Unified Soil Classification System | |
| 5) NAVD 88 - North American Vertical Datum of 1988 | |
| 6) SAA - Same As Above | |



Boring ID: SB-5 / MW-5

Page 1 of 2

Project Name: Jamaica Gas Light MGP

Project Number: 60144468-210

Client: National Grid

Date Pre-Cleared: March 8, 2012

Date Started/Completed: March 8/12, 2012

Drilling Company: Fenley and Nicol

Drilling Method: Direct Push / HSA

Sampling Method: 5 ft Macro-Core®

Boring Diameter: 8 inches

Logged By: Jessica Ehlen

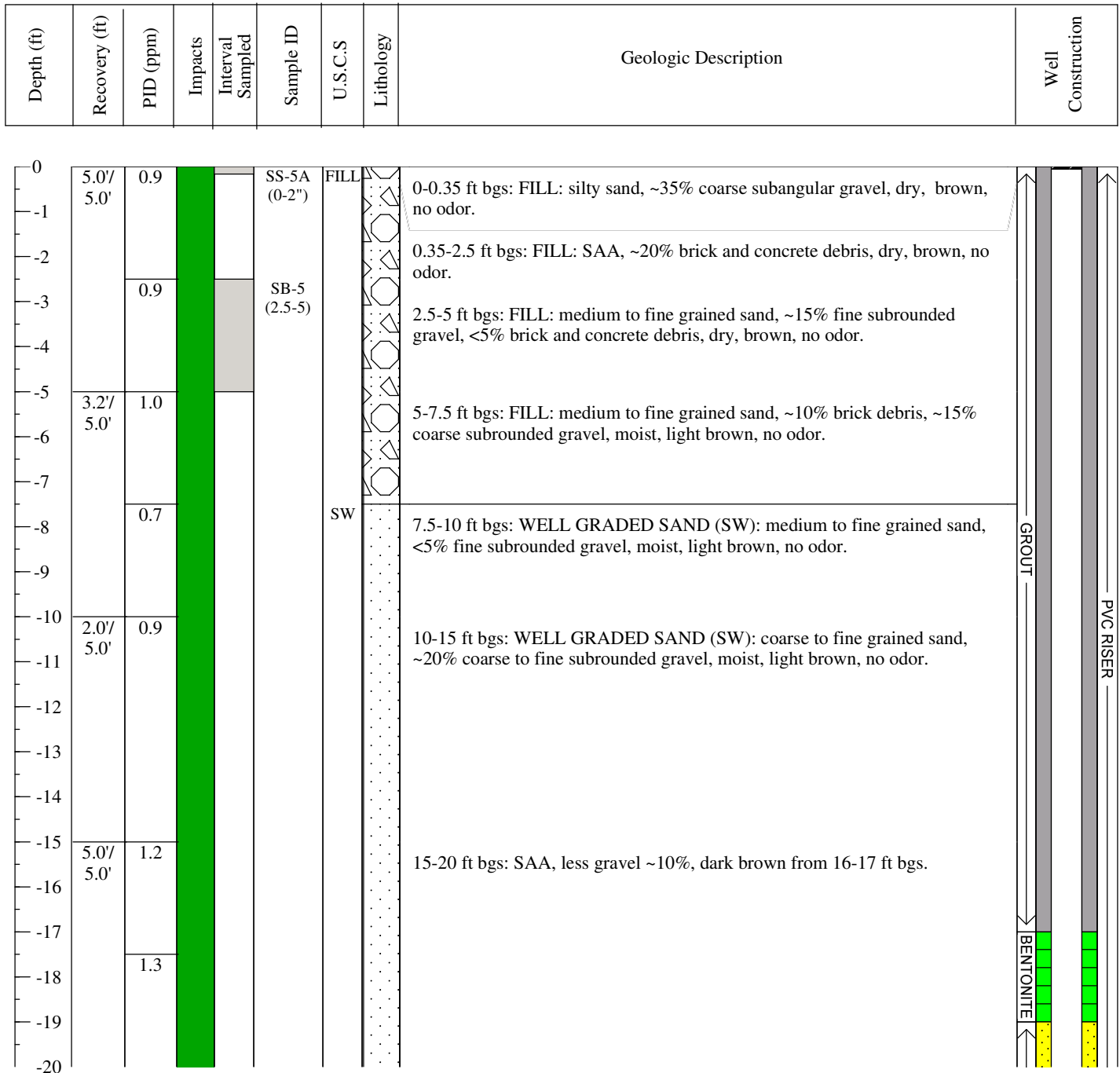
Water Level: ~24 ft bgs

Total Depth: 40 ft bgs

Ground Elevation: 43.63' NAVD 88

Converted To Well (Y/N): Yes

Well ID: MW-5



Notes:

Location was pre-cleared by hand from 0-5 ft bgs.
Impacts include visual and olfactory observations.
A 2 inch well was installed at this location from 21 to 31 ft bgs.
Boring collapsed from 40-33 ft bgs while augering.

Definitions:

- | | |
|--|------------------------------------|
| 1) NA - Not Applicable | 7) PID - Photo Ionization Detector |
| 2) ft - feet | 8) ppm - parts per million |
| 3) bgs - below ground surface | 9) NAPL - Non-Aqueous Phase Liquid |
| 4) U.S.C.S. - Unified Soil Classification System | 10) HSA - Hollow Stem Auger |
| 5) NAVD 88 - North American Vertical Datum of 1988 | 11) Well Screen 10 Slot |
| 6) SAA - Same As Above | |



Boring ID: SB-5 / MW-5

Page 2 of 2

Project Name: Jamaica Gas Light MGP

Project Number: 60144468-210

Client: National Grid

Date Pre-Cleared: March 8, 2012

Date Started/Completed: March 8/12, 2012

Drilling Company: Fenley and Nicol

Drilling Method: Direct Push / HSA

Sampling Method: 5 ft Macro-Core®

Boring Diameter: 8 inches

Logged By: Jessica Ehlen

Water Level: ~24 ft bgs

Total Depth: 40 ft bgs

Ground Elevation: 43.63' NAVD 88

Converted To Well (Y/N): Yes

Well ID: MW-5

Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description	Well Construction
-20	5.0'/5.0'	0.6						20-25 ft bgs: SAA, wet at 24 ft bgs, ~5% fine subrounded gravel.	
-21									
-22		0.7			SB-5 (22-24)				
-23									
-24		0.3							
-25	5.0'/5.0'	0.6						25-30 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~10% coarse grained sand, ~10% fine subrounded gravel, wet, light brown, no odor.	
-26									
-27									
-28		0.1							
-29									
-30	5.0'/5.0'	0.0						30-35 ft bgs: SAA.	
-31									
-32									
-33		0.8							
-34									
-35	5.0'/5.0'	0.0						35-4 ft bgs: SAA, ~10% coarse subrounded gravel, wet, brown, no odor.	
-36									
-37									
-38		0.0			SB-5 (37.5-40)				
-39									
-40								END OF BORING 40 ft bgs	

Notes:

Location was pre-cleared by hand from 0-5 ft bgs.
Impacts include visual and olfactory observations.
A 2 inch well was installed at this location from 21 to 31 ft bgs.
Boring collapsed from 40-33 ft bgs while augering.

Definitions:

- | | |
|--|------------------------------------|
| 1) NA - Not Applicable | 7) PID - Photo Ionization Detector |
| 2) ft - feet | 8) ppm - parts per million |
| 3) bgs - below ground surface | 9) NAPL - Non-Aqueous Phase Liquid |
| 4) U.S.C.S. - Unified Soil Classification System | 10) HSA - Hollow Stem Auger |
| 5) NAVD 88 - North American Vertical Datum of 1988 | 11) Well Screen 10 Slot |
| 6) SAA - Same As Above | |



Boring ID: SB-6

Page 1 of 2

Project Name: Jamaica Gas Light MGP

Project Number: 60144468-210

Client: National Grid

Date Pre-Cleared: February 22, 2012

Date Started/Completed: February 22, 2012

Drilling Company: Fenley and Nicol

Drilling Method: Direct Push

Sampling Method: 5 ft Macro-Core®

Boring Diameter: 3 and 3/16 inches

Logged By: Hallie Garrett

Water Level: ~24 ft bgs

Total Depth: 40 ft bgs

Ground Elevation: 43.79' NAVD 88

Converted To Well (Y/N): No

Well ID: NA

Depth (Feet)	Recovery (Feet)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description
0	2.5'/ 3.5'	0.7						
-1					SB-6 (1-3.5)			
-2								
-3								
-4	2.5'/ 3.5'	0.9						
-5								
-6								
-7	3.0'/ 3.0'	1.4						
-8								
-9								
-10	2.5'/ 5.0'	1.3						
-11								
-12								
-13								
-14								
-15	3.0'/ 5.0'	0.7						
-16								
-17								
-18		1.1						
-19								
-20								

Notes:

Location was pre-cleared by hand from 0-5 ft bgs.
Impacts include visual and olfactory observations.

Definitions:

- | | |
|--|------------------------------------|
| 1) NA - Not Applicable | 7) PID - Photo Ionization Detector |
| 2) ft - feet | 8) ppm - parts per million |
| 3) bgs - below ground surface | 9) NAPL - Non-Aqueous Phase Liquid |
| 4) U.S.C.S. - Unified Soil Classification System | |
| 5) NAVD 88 - North American Vertical Datum of 1988 | |
| 6) SAA - Same As Above | |



Boring ID: SB-6

Page 2 of 2

Project Name: Jamaica Gas Light MGP

Project Number: 60144468-210

Client: National Grid

Date Pre-Cleared: February 22, 2012

Date Started/Completed: February 22, 2012

Drilling Company: Fenley and Nicol

Drilling Method: Direct Push

Sampling Method: 5 ft Macro-Core®

Boring Diameter: 3 and 3/16 inches

Logged By: Hallie Garrett

Water Level: ~24 ft bgs

Total Depth: 40 ft bgs

Ground Elevation: 43.79' NAVD 88

Converted To Well (Y/N): No

Well ID: NA

Depth (Feet)	Recovery (Feet)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description
-20	3.0'/ 5.0'	NA						20-25 ft bgs: SAA, 6 inch thick coarse sand and fine gravel lense at 24 ft bgs, wet at ~24 ft bgs.
-21								
-22								
-23		1.3			SB-6 (22-24)			
-24		1.3						
-25	3.0'/ 5.0'	1.1						25-30 ft bgs: WELL GRADED SAND (SW): coarse to fine grained sand, ~5% fine rounded gravel, medium dense, wet, light brown.
-26								
-27								
-28		1.3						
-29								
-30	5.0'/ 5.0'	1.4						30-35 ft bgs: SAA.
-31								
-32								
-33		1.2						
-34								
-35	5.0'/ 5.0'	0.6						35-40 ft bgs: SAA.
-36								
-37								
-38		1.0			SB-6 (37.5-40)			
-39								
-40								END OF BORING 40 ft bgs

Notes:

Location was pre-cleared by hand from 0-5 ft bgs.
Impacts include visual and olfactory observations.

Definitions:

- | | |
|--|------------------------------------|
| 1) NA - Not Applicable | 7) PID - Photo Ionization Detector |
| 2) ft - feet | 8) ppm - parts per million |
| 3) bgs - below ground surface | 9) NAPL - Non-Aqueous Phase Liquid |
| 4) U.S.C.S. - Unified Soil Classification System | |
| 5) NAVD 88 - North American Vertical Datum of 1988 | |
| 6) SAA - Same As Above | |



Boring ID: SB-7

Page 1 of 2

Project Name: Jamaica Gas Light MGP

Project Number: 60144468-210

Client: National Grid

Date Pre-Cleared: February 22, 2012

Date Started/Completed: February 22, 2012

Drilling Company: Fenley and Nicol

Drilling Method: Direct Push

Sampling Method: 5 ft Macro-Core®

Boring Diameter: 3 and 3/16 inches

Logged By: Jessica Ehlen

Water Level: ~24 ft bgs

Total Depth: 40 ft bgs

Ground Elevation: 45.49' NAVD 88

Converted To Well (Y/N): No

Well ID: NA

Depth (Feet)	Recovery (Feet)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description
0	5.0'/ 5.0'	2.8			SB-7 (0-2.5)		FILL	0-0.2 ft bgs: ASPHALT 0.2-1.2 ft bgs: FILL: medium to fine grained sand, ~25% silt, ~30% brick and concrete debris, dry, brown, no odor.
-1								
-2								
-3		2.1						1.2-2 ft bgs: FILL: CONCRETE SLAB 2-2.5 ft bgs: SAA (0.2-1.2).
-4								2.5-5 ft bgs: SAA.
-5	5.0'/ 5.0'	1.5						5-6 ft bgs: SAA.
-6		1.0						6-10 ft bgs: FILL: medium to fine grained sand, ~30% silt, ~10% fine subrounded gravel, 2 pieces of coal from 8.5-9 ft bgs, <5% plant fibers (roots), dry, brown, no odor.
-7								
-8		0.9						
-9								
-10	2.8'/ 5.0'	1.6				SM		10-15 ft bgs: SILTY SAND (SM): medium to fine grained sand and silt, <5% fine rounded gravel, dry, tan, dark brown from 13.5'-13.8', no odor.
-11								
-12								
-13								
-14								
-15	2.0'/ 5.0'	1.0						15-20 ft bgs: SAA, ~15% fine rounded gravel, dry, orange-tan, dark brown from 18'-19', no odor.
-16								
-17								
-18								
-19								
-20								

Notes:

Location was pre-cleared by hand from 0-5 ft bgs.
Impacts include visual and olfactory observations.

Definitions:

- | | |
|--|------------------------------------|
| 1) NA - Not Applicable | 7) PID - Photo Ionization Detector |
| 2) ft - feet | 8) ppm - parts per million |
| 3) bgs - below ground surface | 9) NAPL - Non-Aqueous Phase Liquid |
| 4) U.S.C.S. - Unified Soil Classification System | |
| 5) NAVD 88 - North American Vertical Datum of 1988 | |
| 6) SAA - Same As Above | |



Boring ID: SB-7

Page 2 of 2

Project Name: Jamaica Gas Light MGP

Project Number: 60144468-210

Client: National Grid

Date Pre-Cleared: February 22, 2012

Date Started/Completed: February 22, 2012

Drilling Company: Fenley and Nicol

Drilling Method: Direct Push

Sampling Method: 5 ft Macro-Core®

Boring Diameter: 3 and 3/16 inches

Logged By: Jessica Ehlen

Water Level: ~24 ft bgs

Total Depth: 40 ft bgs

Ground Elevation: 45.49' NAVD 88

Converted To Well (Y/N): No

Well ID: NA

Depth (Feet)	Recovery (Feet)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description
-20	4.2'/ 5.0'	0.8						20-21.5 ft bgs: SAA, dry, dark brown from 21-21.3 ft bgs.
-21		0.6			SB-7 (21.5-24)	SW		21.5-24 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~10% coarse grained sand, moist, tan, orange band from 23'-23.2', no odor.
-22		1.0						24-25 ft bgs: SAA, wet.
-23	2.8'/ 5.0'	0.6						25-30 ft bgs: WELL GRADED SAND (SW): coarse to fine grained sand, ~10% fine rounded gravel, wet, tan, few orange bands at 27.5'-28.7', no odor.
-24		0.5						
-25	5.0'/ 5.0'	1.0						30-35 ft bgs: WELL GRADED SAND (SW): coarse to fine grained sand, ~25% fine rounded gravel, wet, light brown, no odor.
-26		0.6						
-27	5.0'/ 5.0'	0.6						35-40 ft bgs: SAA.
-28		2.0			SB-7 (37.5-40) +ms/msd			
-29								END OF BORING 40 ft bgs.
-30								
-31								
-32								
-33								
-34								
-35								
-36								
-37								
-38								
-39								
-40								

Notes:

Location was pre-cleared by hand from 0-5 ft bgs.
Impacts include visual and olfactory observations.

Definitions:

- | | |
|--|------------------------------------|
| 1) NA - Not Applicable | 7) PID - Photo Ionization Detector |
| 2) ft - feet | 8) ppm - parts per million |
| 3) bgs - below ground surface | 9) NAPL - Non-Aqueous Phase Liquid |
| 4) U.S.C.S. - Unified Soil Classification System | |
| 5) NAVD 88 - North American Vertical Datum of 1988 | |
| 6) SAA - Same As Above | |



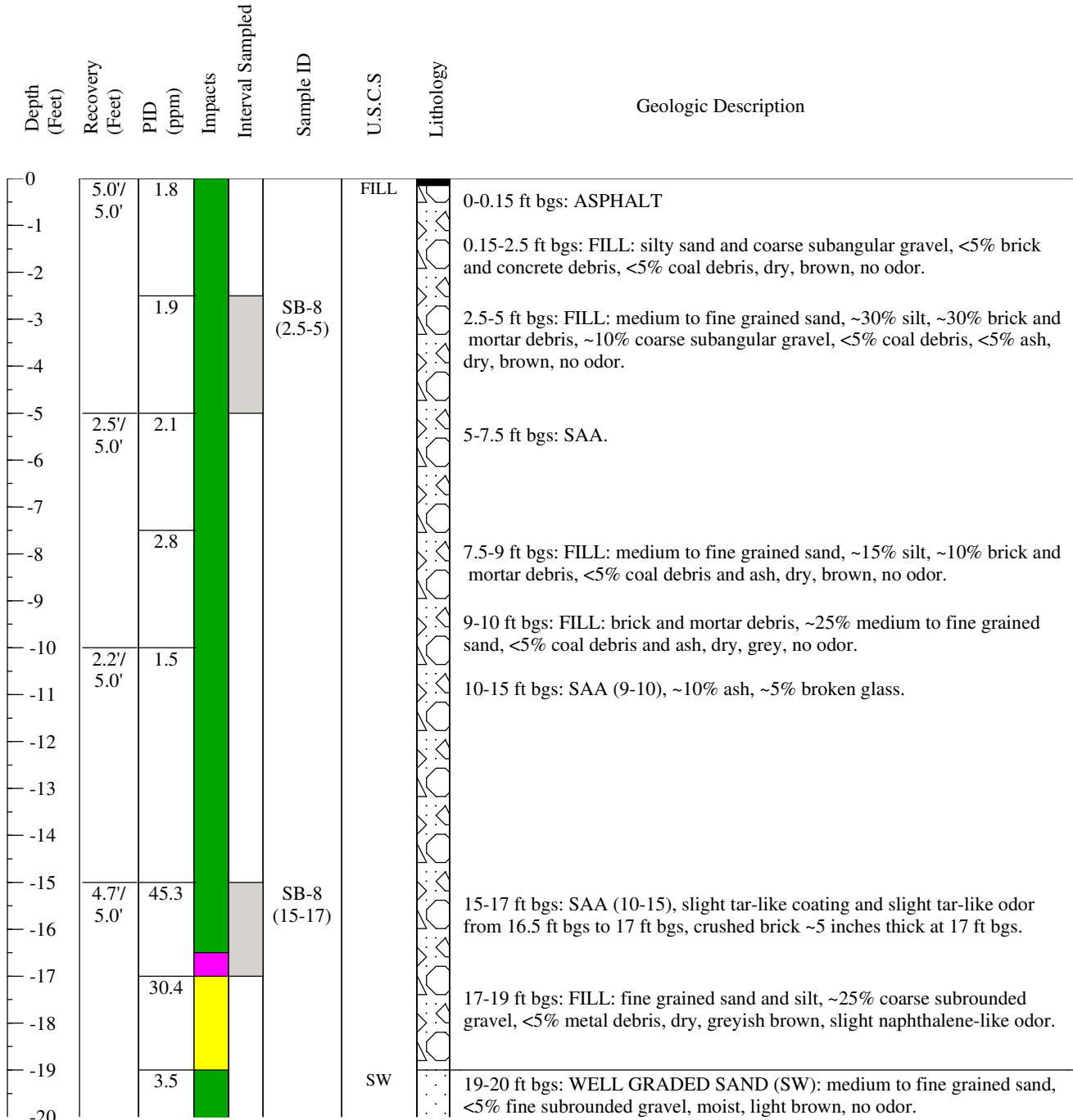
Boring ID: SB-8

Page 1 of 3

Project Name: Jamaica Gas Light MGP
Project Number: 60144468-210
Client: National Grid
Date Pre-Cleared: March 1, 2012
Date Started/Completed: March 7, 2012

Drilling Company: Fenley and Nicol
Drilling Method: Direct Push
Sampling Method: 5 ft Macro-Core®
Boring Diameter: 8 Inches
Logged By: Jessica Ehlen

Water Level: ~24.5 ft bgs
Total Depth: 45 ft bgs
Ground Elevation: 44.37' NAVD 88
Converted To Well (Y/N): No
Well ID: NA



Notes:

Location was pre-cleared by hand from 0-5 ft bgs.
Impacts include visual and olfactory observations.
A 2-inch well was installed from 20.5 to 30.5 ft bgs,
~10 ft east of soil boring due to auger refusal at multiple locations.
Water level was measured at 23.5 ft bgs, ~10 ft east of soil boring.
Borehole collapsed from 35-32.5 ft bgs while augering.

Definitions:

- | | |
|--|------------------------------------|
| 1) NA - Not Applicable | 7) PID - Photo Ionization Detector |
| 2) ft - feet | 8) ppm - parts per million |
| 3) bgs - below ground surface | 9) NAPL - Non-Aqueous Phase Liquid |
| 4) U.S.C.S. - Unified Soil Classification System | |
| 5) NAVD 88 - North American Vertical Datum of 1988 | |
| 6) SAA - Same As Above | |



Boring ID: SB-8

Page 2 of 3

Project Name: Jamaica Gas Light MGP
Project Number: 60144468-210
Client: National Grid
Date Pre-Cleared: March 1, 2012
Date Started/Completed: March 7, 2012

Drilling Company: Fenley and Nicol
Drilling Method: Direct Push
Sampling Method: 5 ft Macro-Core®
Boring Diameter: 8 Inches
Logged By: Jessica Ehlen

Water Level: ~24.5 ft bgs
Total Depth: 45 ft bgs
Ground Elevation: 44.37' NAVD 88
Converted To Well (Y/N): No
Well ID: NA

Depth (Feet)	Recovery (Feet)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description
-20	2.5'/ 5.0'	2.2			SB-8 (20-25)			20-25 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~10% coarse grained sand, moist, wet at 24.5 ft bgs, light brown, few bands of orange brown coloration, no odor.
-21								
-22								
-23								
-24								
-25	2.6'/ 5.0'	0.8						25-30 ft bgs: SAA, brown (no banding).
-26								
-27								
-28		0.6						
-29								
-30	3.3'/ 5.0'	1.5						30-35 ft bgs: SAA (25-30), ~10% coarse subrounded gravel.
-31								
-32								
-33		1.0						
-34								
-35	0.0'/ 5.0'	NA				NR		35-40 ft bgs: No Recovery, rock in sample bit.
-36								
-37								
-38								
-39								
-40								

Notes:

Location was pre-cleared by hand from 0-5 ft bgs.
Impacts include visual and olfactory observations.
A 2-inch well was installed from 20.5 to 30.5 ft bgs,
~10 ft east of soil boring due to auger refusal at multiple locations.
Water level was measured at 23.5 ft bgs, ~10 ft east of soil boring.
Borehole collapsed from 35-32.5 ft bgs while augering.

Definitions:

- | | |
|--|------------------------------------|
| 1) NA - Not Applicable | 7) PID - Photo Ionization Detector |
| 2) ft - feet | 8) ppm - parts per million |
| 3) bgs - below ground surface | 9) NAPL - Non-Aqueous Phase Liquid |
| 4) U.S.C.S. - Unified Soil Classification System | |
| 5) NAVD 88 - North American Vertical Datum of 1988 | |
| 6) SAA - Same As Above | |



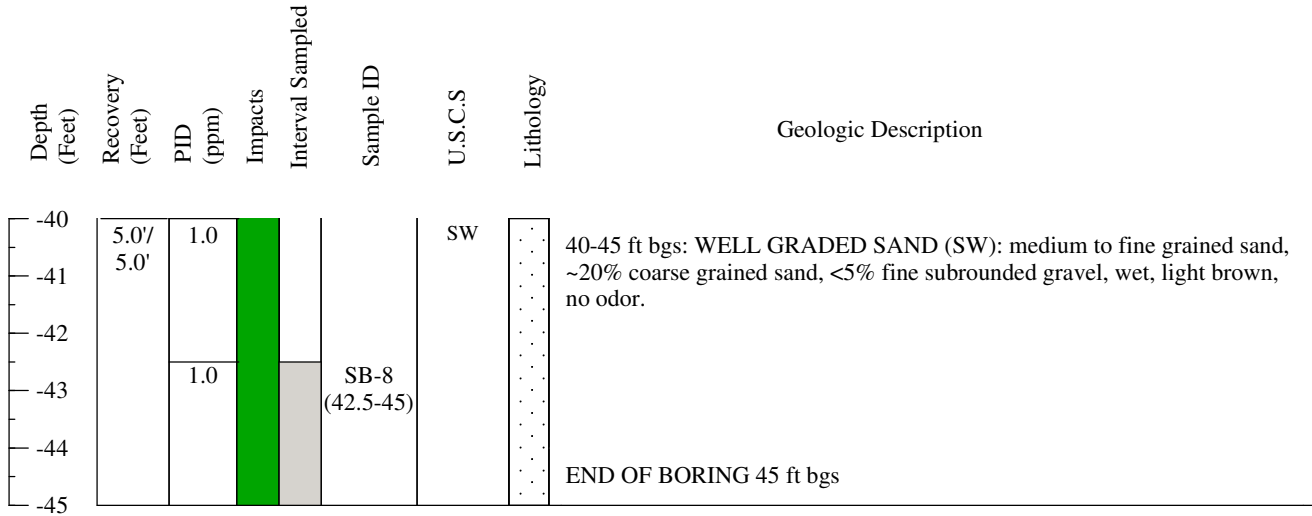
Boring ID: SB-8

Page 3 of 3

Project Name: Jamaica Gas Light MGP
Project Number: 60144468-210
Client: National Grid
Date Pre-Cleared: March 1, 2012
Date Started/Completed: March 7, 2012

Drilling Company: Fenley and Nicol
Drilling Method: Direct Push
Sampling Method: 5 ft Macro-Core®
Boring Diameter: 8 Inches
Logged By: Jessica Ehlen

Water Level: ~24.5 ft bgs
Total Depth: 45 ft bgs
Ground Elevation: 44.37' NAVD 88
Converted To Well (Y/N): No
Well ID: NA



Notes:

Location was pre-cleared by hand from 0-5 ft bgs.
Impacts include visual and olfactory observations.
A 2-inch well was installed from 20.5 to 30.5 ft bgs, ~10 ft east of soil boring due to auger refusal at multiple locations.
Water level was measured at 23.5 ft bgs, ~10 ft east of soil boring.
Borehole collapsed from 35-32.5 ft bgs while augering.

Definitions:

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S. - Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above

- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid



Boring ID: SB-9

Page 1 of 2

Project Name: Jamaica Gas Light MGP

Project Number: 60144468-210

Client: National Grid

Date Pre-Cleared: February 23, 2012

Date Started/Completed: February 23, 2012

Drilling Company: Fenley and Nicol

Drilling Method: Direct Push

Sampling Method: 5 ft Macro-Core®

Boring Diameter: 3 3/16 Inches

Logged By: Hallie Garrett

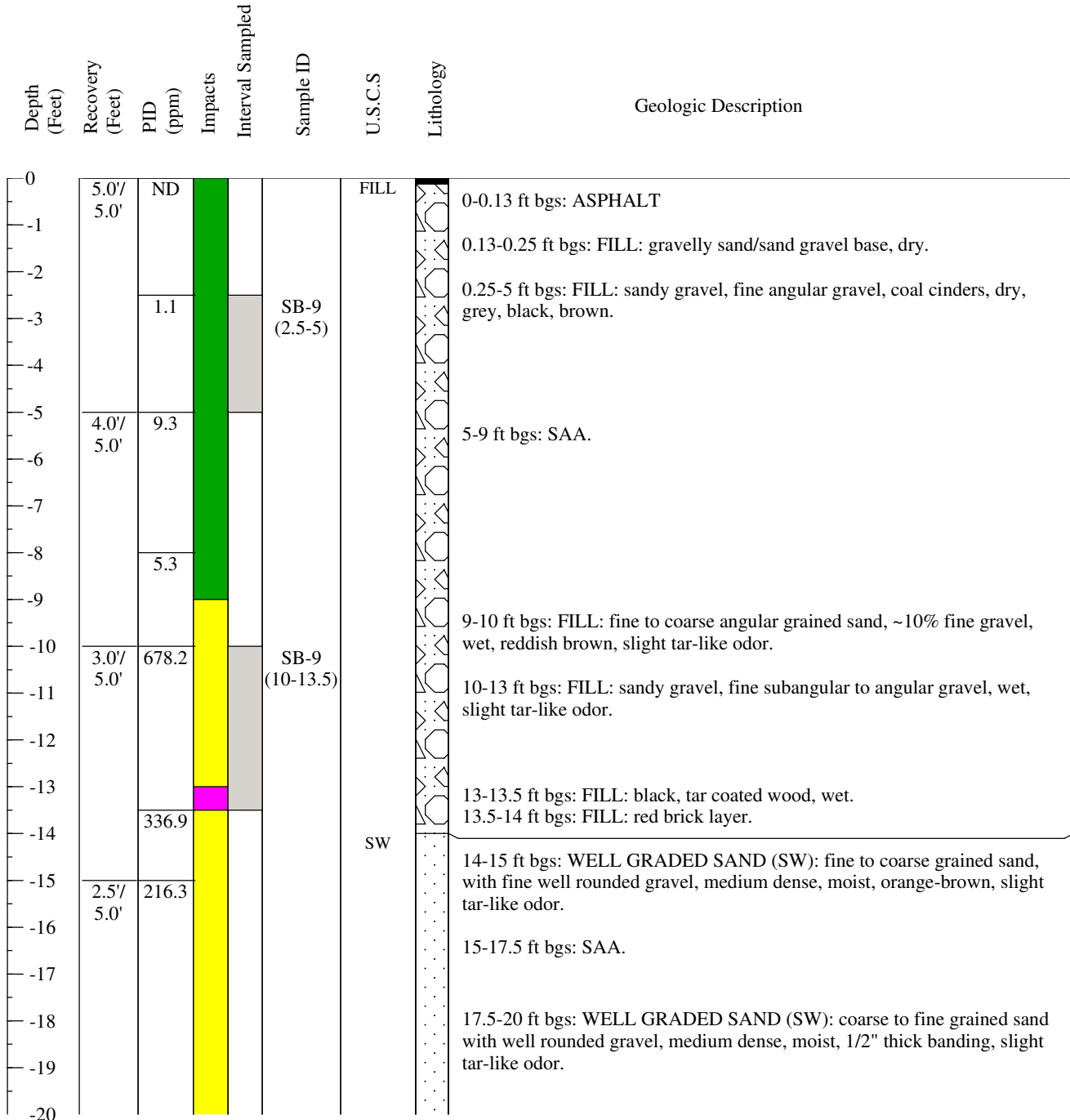
Water Level: ~26 ft bgs

Total Depth: 40 ft bgs

Ground Elevation: 46.28' NAVD 88

Converted To Well (Y/N): No

Well ID: NA



Notes:

Location was pre-cleared by hand from 0-5 ft bgs.
Impacts include visual and olfactory observations.

Definitions:

- | | |
|--|------------------------------------|
| 1) NA - Not Applicable | 7) PID - Photo Ionization Detector |
| 2) ft - feet | 8) ppm - parts per million |
| 3) bgs - below ground surface | 9) NAPL - Non-Aqueous Phase Liquid |
| 4) U.S.C.S. - Unified Soil Classification System | |
| 5) NAVD 88 - North American Vertical Datum of 1988 | |
| 6) SAA - Same As Above | |



Boring ID: SB-9

Page 2 of 2

Project Name: Jamaica Gas Light MGP

Project Number: 60144468-210

Client: National Grid

Date Pre-Cleared: February 23, 2012

Date Started/Completed: February 23, 2012

Drilling Company: Fenley and Nicol

Drilling Method: Direct Push

Sampling Method: 5 ft Macro-Core®

Boring Diameter: 3 3/16 Inches

Logged By: Hallie Garrett

Water Level: ~26 ft bgs

Total Depth: 40 ft bgs

Ground Elevation: 46.28' NAVD 88

Converted To Well (Y/N): No

Well ID: NA

Depth (Feet)	Recovery (Feet)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description
-20	2.5'/	37.5						20-25 ft bgs: SAA, orange-brown, slight tar-like odor.
-21	5.0'							
-22								
-23								
-24								
-25	3.0'/	41.4						25-30 ft bgs: SAA, wet at 26 ft bgs, slight tar-like odor.
-26	5.0'							
-27								
-28								
-29								
-30	3.0'/	6.2						30-33 ft bgs: SAA.
-31	5.0'							
-32								
-33		8.1						33-35 ft bgs: SAA, ~40% coarse subangular gravel, wet, no odor.
-34								
-35	5.0'/	8.2						35-40 ft bgs: SAA.
-36	5.0'							
-37								
-38		9.2						
-39					SB-9 (37.5-40)			
-40								END OF BORING 40 ft bgs

Notes:

Location was pre-cleared by hand from 0-5 ft bgs.
Impacts include visual and olfactory observations.

Definitions:

- | | |
|--|------------------------------------|
| 1) NA - Not Applicable | 7) PID - Photo Ionization Detector |
| 2) ft - feet | 8) ppm - parts per million |
| 3) bgs - below ground surface | 9) NAPL - Non-Aqueous Phase Liquid |
| 4) U.S.C.S. - Unified Soil Classification System | |
| 5) NAVD 88 - North American Vertical Datum of 1988 | |
| 6) SAA - Same As Above | |



Boring ID: SB-10

Page 1 of 2

Project Name: Jamaica Gas Light MGP

Project Number: 60144468-210

Client: National Grid

Date Pre-Cleared: February 23, 2012

Date Started/Completed: February 23, 2012

Drilling Company: Fenley and Nicol

Drilling Method: Direct Push

Sampling Method: 5 ft Macro-Core®

Boring Diameter: 3 and 3/16 inches

Logged By: Hallie Garrett

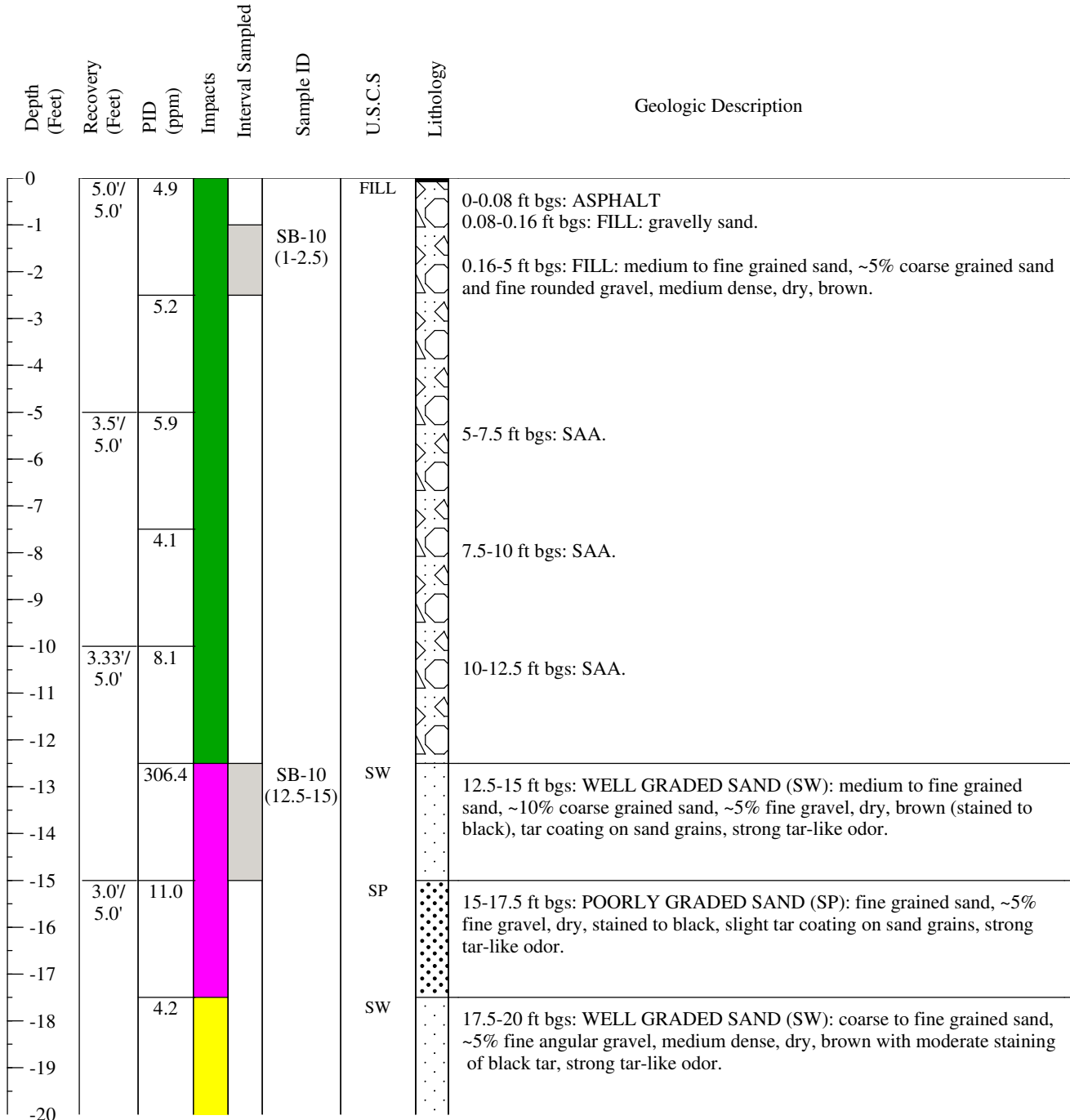
Water Level: ~26.2 ft bgs

Total Depth: 40 ft bgs

Ground Elevation: 46.84' NAVD 88

Converted To Well (Y/N): No

Well ID: NA



Notes:

Location was pre-cleared by hand from 0-5 ft bgs.
Impacts include visual and olfactory observations.

Definitions:

- | | |
|--|------------------------------------|
| 1) NA - Not Applicable | 7) PID - Photo Ionization Detector |
| 2) ft - feet | 8) ppm - parts per million |
| 3) bgs - below ground surface | 9) NAPL - Non-Aqueous Phase Liquid |
| 4) U.S.C.S. - Unified Soil Classification System | |
| 5) NAVD 88 - North American Vertical Datum of 1988 | |
| 6) SAA - Same As Above | |



Boring ID: SB-10

Page 2 of 2

Project Name: Jamaica Gas Light MGP

Project Number: 60144468-210

Client: National Grid

Date Pre-Cleared: February 23, 2012

Date Started/Completed: February 23, 2012

Drilling Company: Fenley and Nicol

Drilling Method: Direct Push

Sampling Method: 5 ft Macro-Core®

Boring Diameter: 3 and 3/16 inches

Logged By: Hallie Garrett

Water Level: ~26.2 ft bgs

Total Depth: 40 ft bgs

Ground Elevation: 46.84' NAVD 88

Converted To Well (Y/N): No

Well ID: NA

Depth (Feet)	Recovery (Feet)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description
-20	3.33/ 5.0'	6.0						20-23.5 ft bgs: SAA, no staining, light brown, to orange brown, banded 1/4 -1 inch, slight tar-like odor.
-21								
-22								
-23								
-24		3.2						23.5-25 ft bgs: WELL GRADED SAND (SW): coarse to fine grained sand, ~10% fine gravel, dry, medium brown, banded with heavy staining, slight tar-like odor.
-25	3.67/ 5.0'	9.0						25-26.2 ft bgs: SAA.
-26		136.4			SB-10 (26-27.5)			26.2-26.8 ft bgs: SAA, wet, moderate staining, slight to moderate tar-like odor.
-27		2.8						26.8-30 ft bgs: WELL GRADED SAND (SW): coarse to fine grained sand, ~10% rounded gravel, wet, no staining or odor.
-28								
-29								
-30	5.0/ 5.0'	9.2						30-35 ft bgs: SAA, no staining or odor.
-31								
-32								
-33		7.0						
-34								
-35	5.0/ 5.0'	9.4						35-40 ft bgs: SAA, no staining or odor.
-36								
-37								
-38		5.7						
-39					SB-10 (37.5-40)			END OF BORING 40 ft bgs
-40								

Notes:

Location was pre-cleared by hand from 0-5 ft bgs.
Impacts include visual and olfactory observations.

Definitions:

- | | |
|--|------------------------------------|
| 1) NA - Not Applicable | 7) PID - Photo Ionization Detector |
| 2) ft - feet | 8) ppm - parts per million |
| 3) bgs - below ground surface | 9) NAPL - Non-Aqueous Phase Liquid |
| 4) U.S.C.S. - Unified Soil Classification System | |
| 5) NAVD 88 - North American Vertical Datum of 1988 | |
| 6) SAA - Same As Above | |



Boring ID: SB-11

Page 1 of 2

Project Name: Jamaica Gas Light MGP

Project Number: 60144468-210

Client: National Grid

Date Pre-Cleared: February 28, 2012

Date Started/Completed: February 28, 2012

Drilling Company: Fenley and Nicol

Drilling Method: Direct Push

Sampling Method: 5 ft Macro-Core®

Boring Diameter: 3 and 3/16 inches

Logged By: Jessica Ehlen

Water Level: ~27 ft bgs

Total Depth: 40 ft bgs

Ground Elevation: 45.13' NAVD 88

Converted To Well (Y/N): No

Well ID: NA

Depth (Feet)	Recovery (Feet)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description
0	6.0'/ 6.0'	0.2			SB-11 (0-2.5)		FILL	0-0.3 ft bgs: FILL: silty sand ~20% subangular coarse gravel, brown, no odor. 0.3-2.5 ft bgs: FILL: medium to fine grained sand, ~10% coarse grained sand, ~10% subrounded gravel, dry, light brown, no odor.
-1								
-2								
-3		0.4						2.5- 6 ft bgs: SAA.
-4								
-5								
-6	2.0'/ 5.0'	0.8					SW	6-10 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~20% coarse grained sand, ~10% subrounded coarse gravel, dry, light brown, no odor.
-7								
-8								
-9								
-10	3.4'/ 5.0'	0.5						10-15 ft bgs: SAA, moist at 11.5 ft bgs, few bands of orange-brown coloration.
-11								
-12								
-13		0.5						
-14								
-15	3.6'/ 5.0'	0.6						15-20 ft bgs: SAA.
-16								
-17								
-18		0.7						
-19								
-20								

Notes:

Location was pre-cleared by hand from 0-5 ft bgs.
Impacts include visual and olfactory observations.

Definitions:

- | | |
|--|------------------------------------|
| 1) NA - Not Applicable | 7) PID - Photo Ionization Detector |
| 2) ft - feet | 8) ppm - parts per million |
| 3) bgs - below ground surface | 9) NAPL - Non-Aqueous Phase Liquid |
| 4) U.S.C.S. - Unified Soil Classification System | |
| 5) NAVD 88 - North American Vertical Datum of 1988 | |
| 6) SAA - Same As Above | |



Boring ID: SB-11

Page 2 of 2

Project Name: Jamaica Gas Light MGP

Project Number: 60144468-210

Client: National Grid

Date Pre-Cleared: February 28, 2012

Date Started/Completed: February 28, 2012

Drilling Company: Fenley and Nicol

Drilling Method: Direct Push

Sampling Method: 5 ft Macro-Core®

Boring Diameter: 3 and 3/16 inches

Logged By: Jessica Ehlen

Water Level: ~27 ft bgs

Total Depth: 40 ft bgs

Ground Elevation: 45.13' NAVD 88

Converted To Well (Y/N): No

Well ID: NA

Depth (Feet)	Recovery (Feet)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description
-20	5.0'/ 5.0'	1.1						20-22 ft bgs: SAA.
-21								
-22								
-23		1.1						22-24.5 ft bgs: SAA, more orange banding.
-24								
-25	5.0'/ 5.0'	0.6			SB-11 (25-27)			24.5-25 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~25% fine subrounded gravel, moist, brown, no odor.
-26								25-27 ft bgs: SAA, moist, light brown, no odor.
-27		1.1						27-30 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~20% coarse grained sand, ~15% fine subrounded gravel, wet at ~27 ft bgs, brown, no odor.
-28								
-29								
-30	5.0'/ 5.0'	0.4						30-35 ft bgs: SAA, light brown to brown.
-31								
-32								
-33		2.2						
-34								
-35	5.0'/ 5.0'	1.3			SB-11 (35-40)			35-40 ft bgs: SAA, brown.
-36								
-37								
-38								
-39								
-40								END OF BORING 40 ft bgs

Notes:

Location was pre-cleared by hand from 0-5 ft bgs.
Impacts include visual and olfactory observations.

Definitions:

- | | |
|--|------------------------------------|
| 1) NA - Not Applicable | 7) PID - Photo Ionization Detector |
| 2) ft - feet | 8) ppm - parts per million |
| 3) bgs - below ground surface | 9) NAPL - Non-Aqueous Phase Liquid |
| 4) U.S.C.S. - Unified Soil Classification System | |
| 5) NAVD 88 - North American Vertical Datum of 1988 | |
| 6) SAA - Same As Above | |



Boring ID: SB-12

Page 1 of 2

Project Name: Jamaica Gas Light MGP

Project Number: 60144468-210

Client: National Grid

Date Pre-Cleared: February 28, 2012

Date Started/Completed: February 28, 2012

Drilling Company: Fenley and Nicol

Drilling Method: Direct Push

Sampling Method: 5 ft Macro-Core®

Boring Diameter: 3 and 3/16 inches

Logged By: Jessica Ehlen

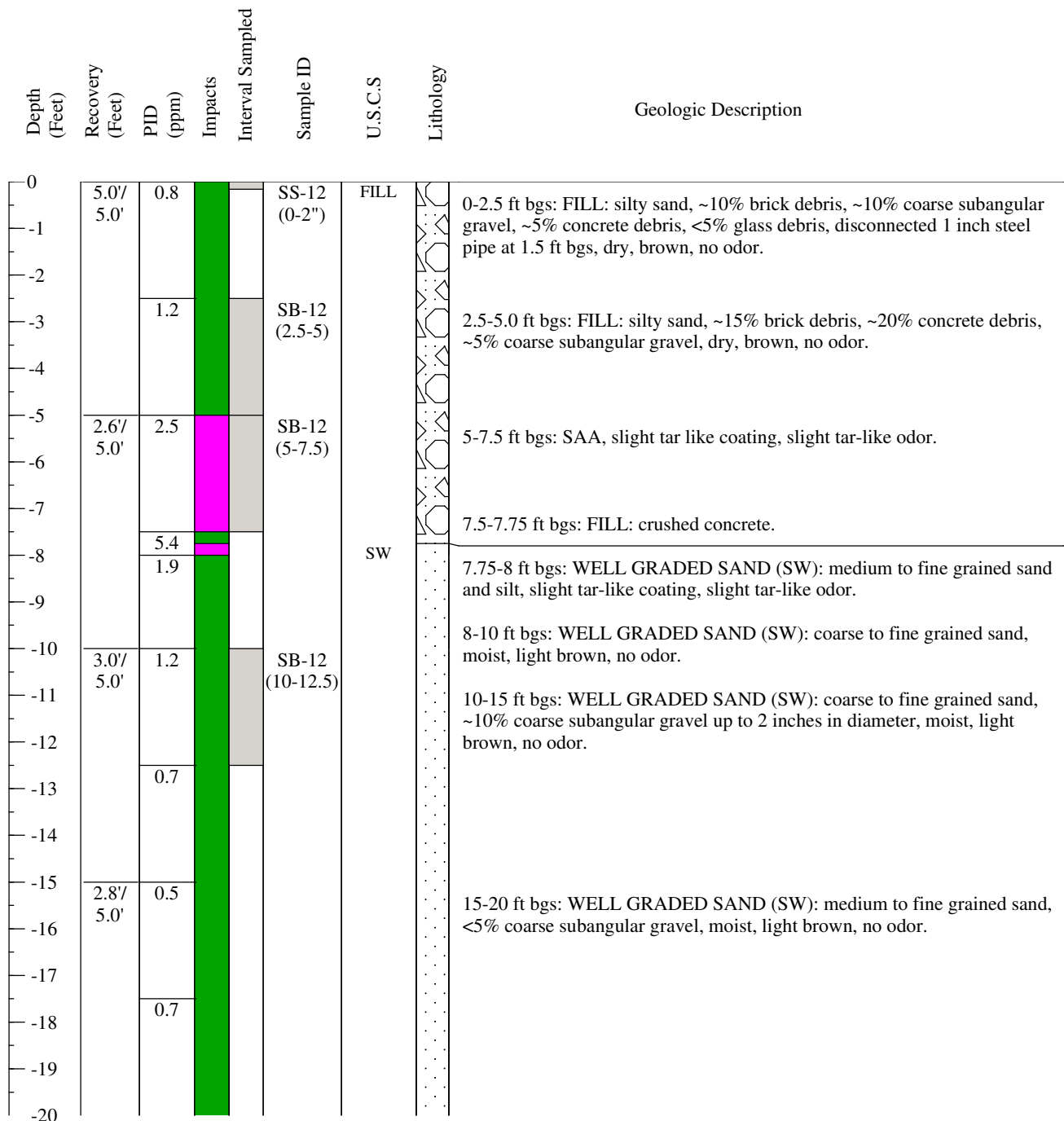
Water Level: ~23.5 ft bgs

Total Depth: 40 ft bgs

Ground Elevation: 45.65' NAVD 88

Converted To Well (Y/N): No

Well ID: NA



Notes:

Location was pre-cleared by hand from 0-5 ft bgs.
Impacts include visual and olfactory observations.

Definitions:

- | | |
|--|------------------------------------|
| 1) NA - Not Applicable | 7) PID - Photo Ionization Detector |
| 2) ft - feet | 8) ppm - parts per million |
| 3) bgs - below ground surface | 9) NAPL - Non-Aqueous Phase Liquid |
| 4) U.S.C.S. - Unified Soil Classification System | |
| 5) NAVD 88 - North American Vertical Datum of 1988 | |
| 6) SAA - Same As Above | |



Boring ID: SB-12

Page 2 of 2

Project Name: Jamaica Gas Light MGP

Project Number: 60144468-210

Client: National Grid

Date Pre-Cleared: February 28, 2012

Date Started/Completed: February 28, 2012

Drilling Company: Fenley and Nicol

Drilling Method: Direct Push

Sampling Method: 5 ft Macro-Core®

Boring Diameter: 3 and 3/16 inches

Logged By: Jessica Ehlen

Water Level: ~23.5 ft bgs

Total Depth: 40 ft bgs

Ground Elevation: 45.65' NAVD 88

Converted To Well (Y/N): No

Well ID: NA

Depth (Feet)	Recovery (Feet)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description
-20	3.4'/ 5.0'	0.7					SP	20-25 ft bgs: POORLY GRADED SAND (SP): fine grained sand, ~25% medium grained sand, <5% coarse grained sand, moist, wet at 23.5 ft bgs, light brown, no odor.
-21								
-22		0.9						
-23	3.7'/ 5.0'	0.7						25-30 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~20% coarse grained sand, ~10% fine subrounded gravel, wet, brown, no odor
-24								
-25		0.4					SW	
-26	5.0'/ 5.0'							30-35 ft bgs: SAA.
-27		0.6						
-28								
-29	5.0'/ 5.0'	2.0						35-40 ft bgs: SAA.
-30								
-31		1.3						
-32	5.0'/ 5.0'	1.4						END OF BORING 40 ft bgs
-33								
-34		0.9						
-35								
-36								
-37								
-38					SB-12 (37.5-40)			
-39								
-40								

Notes:

Location was pre-cleared by hand from 0-5 ft bgs.
Impacts include visual and olfactory observations.

Definitions:

- | | |
|--|------------------------------------|
| 1) NA - Not Applicable | 7) PID - Photo Ionization Detector |
| 2) ft - feet | 8) ppm - parts per million |
| 3) bgs - below ground surface | 9) NAPL - Non-Aqueous Phase Liquid |
| 4) U.S.C.S. - Unified Soil Classification System | |
| 5) NAVD 88 - North American Vertical Datum of 1988 | |
| 6) SAA - Same As Above | |



Boring ID: SB-13 / MW-6

Page 1 of 2

Project Name: Jamaica Gas Light MGP

Project Number: 60144468-210

Client: National Grid

Date Pre-Cleared: February 28, 2012

Date Started/Completed: February 29, 2012

Drilling Company: Fenley and Nicol

Drilling Method: Direct Push / HSA

Sampling Method: 5 ft Macro-Core®

Boring Diameter: 8 Inches

Logged By: K. Barbour / J. Ehlen

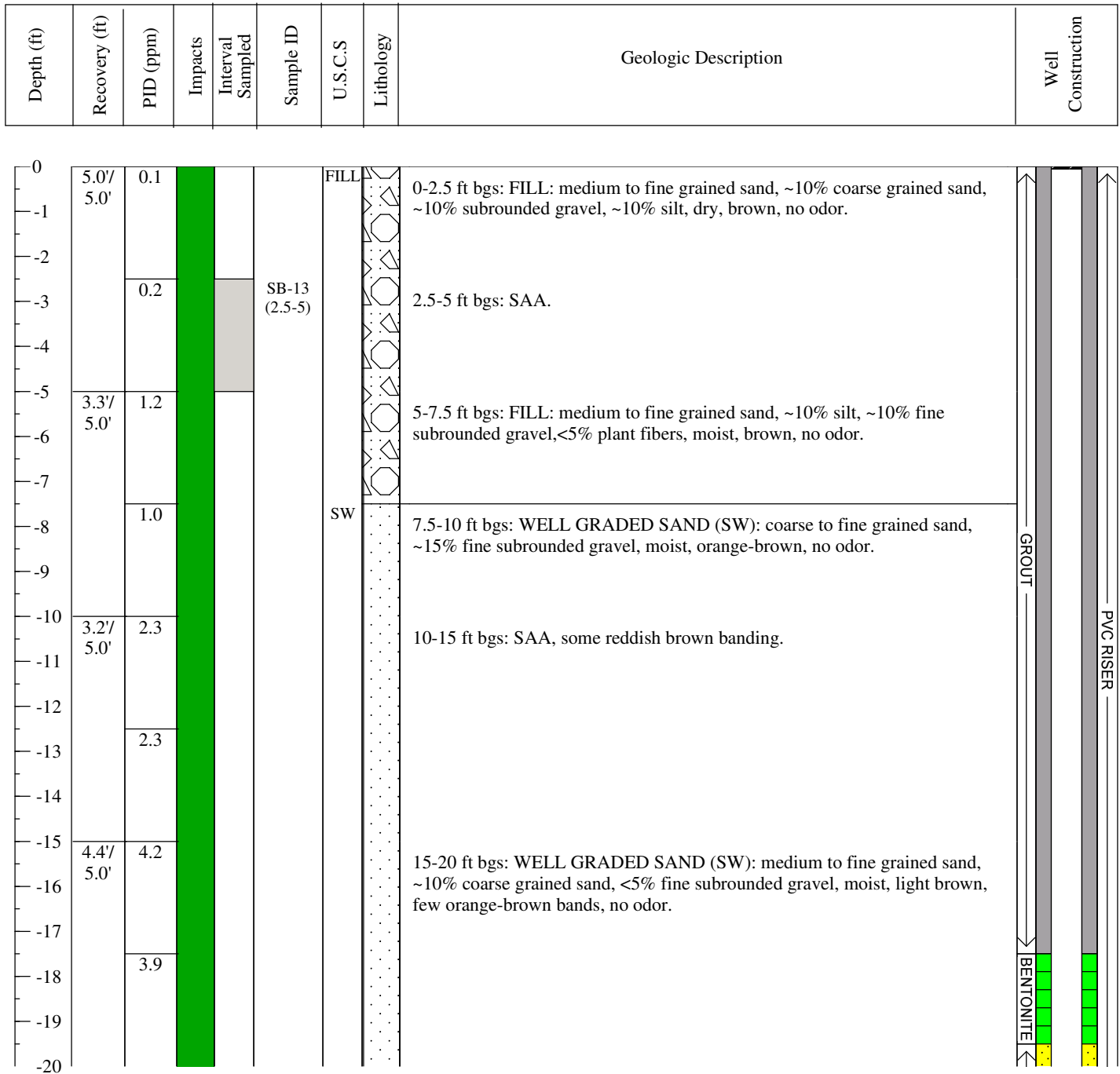
Water Level: ~24.5 ft bgs

Total Depth: 40 ft bgs

Ground Elevation: 46.32' NAVD 88

Converted To Well (Y/N): Yes

Well ID: MW-6



Notes:

Location was pre-cleared by hand from 0-5 ft bgs.
Impacts include visual and olfactory observations.
A 2 inch well was installed at this location from 21.5-31.5 ft bgs.
Borehole collapsed from 40-33.5 ft bgs while pulling augers/rods from borehole.

Definitions:

- | | |
|--|------------------------------------|
| 1) NA - Not Applicable | 7) PID - Photo Ionization Detector |
| 2) ft - feet | 8) ppm - parts per million |
| 3) bgs - below ground surface | 9) NAPL - Non-Aqueous Phase Liquid |
| 4) U.S.C.S. - Unified Soil Classification System | 10) HSA - Hollow Stem Auger |
| 5) NAVD 88 - North American Vertical Datum of 1988 | 11) Well Screen 10 Slot |
| 6) SAA - Same As Above | |



Boring ID: SB-13 / MW-6

Page 2 of 2

Project Name: Jamaica Gas Light MGP

Project Number: 60144468-210

Client: National Grid

Date Pre-Cleared: February 28, 2012

Date Started/Completed: February 29, 2012

Drilling Company: Fenley and Nicol

Drilling Method: Direct Push / HSA

Sampling Method: 5 ft Macro-Core®

Boring Diameter: 8 Inches

Logged By: K. Barbour / J. Ehlen

Water Level: ~24.5 ft bgs

Total Depth: 40 ft bgs

Ground Elevation: 46.32' NAVD 88

Converted To Well (Y/N): Yes

Well ID: MW-6

Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description	Well Construction
-20	4.4'/5.0'	1.8						20-25 ft bgs: SAA, more orange-brown banding, 1 coarse subangular gravel at 22 ft bgs, 2 inches in diameter, wet at 24.5 ft bgs.	
-21									
-22									
-23		2.4			SB-13 22.5-24.5				
-24									
-25	5.0'/5.0'	3.5							
-26		3.2						25-30 ft bgs: SAA (15-20), orange-brown to brown, sandy silt layer 28.2-28.4 ft bgs.	
-27									
-28		3.3							
-29									
-30	3.5'/5.0'	1.9						30-32.5 ft bgs: SAA, no silt layer.	
-31									
-32									
-33		2.8				SM		32.5-35 ft bgs: SILTY SAND (SM): silty fine sand, ~10% medium sand, <5% fine subrounded gravel, wet, brown, no odor.	
-34									
-35	5.0'/5.0'	3.1				SW		35-40 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~20% coarse grained sand, ~10% coarse subangular gravel, wet, brown, no odor.	
-36									
-37									
-38		1.0			SB-13 (37.5-40)				
-39									
-40								END OF BORING 40 ft bgs	

Notes:

Location was pre-cleared by hand from 0-5 ft bgs.

Impacts include visual and olfactory observations.

A 2 inch well was installed at this location from 21.5-31.5 ft bgs.

Borehole collapsed from 40-33.5 ft bgs while pulling augers/rods from borehole.

Definitions:

1) NA - Not Applicable

2) ft - feet

3) bgs - below ground surface

4) U.S.C.S. - Unified Soil Classification System

5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

7) PID - Photo Ionization Detector

8) ppm - parts per million

9) NAPL - Non-Aqueous Phase Liquid

10) HSA - Hollow Stem Auger

11) Well Screen 10 Slot



Boring ID: SB-14

Page 1 of 2

Project Name: Jamaica Gas Light MGP

Project Number: 60144468-210

Client: National Grid

Date Pre-Cleared: February 27, 2012

Date Started/Completed: February 27, 2012

Drilling Company: Fenley and Nicol

Drilling Method: Direct Push

Sampling Method: 5 ft Macro-Core®

Boring Diameter: 3 and 3/16 inches

Logged By: Jessica Ehlen

Water Level: ~26.5 ft bgs

Total Depth: 40 ft bgs

Ground Elevation: 46.99' NAVD 88

Converted To Well (Y/N): No

Well ID: NA

Depth (Feet)	Recovery (Feet)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description
0	5.0'/ 5.0'	3.8			SS-14 (0-2")		FILL	0-2 ft bgs: FILL: medium to fine grained sand, ~10% silt, ~20% brick and concrete debris, ~10% fine subrounded gravel, dry, brown, no odor.
-1								
-2		3.8			SB-14 (2-5) +Dup 2			2-5 ft bgs: SAA, fine concrete and brick debris.
-3								
-4								
-5	2.5'/ 5.0'	3.9						5-10 ft bgs: FILL: sand, ~35% silt, 1 coarse subrounded gravel ~2 inches in diameter at 5 ft bgs, moist, brown, no odor.
-6								
-7								
-8		3.0						
-9								
-10	2.5'/ 5.0'	0.5						10-12.5 ft bgs: FILL: medium to fine grained sand, ~30% silt, 2 coarse subrounded gravel pieces up to 2 inches in diameter, moist, dark brown, no odor.
-11								
-12								
-13		0.6						12.5-15 ft bgs: FILL: medium to fine grained sand, <5% coarse subrounded gravel, moist, light brown, no odor.
-14								
-15	4.0'/ 5.0'	1.1						15-15.5 ft bgs: FILL: sandy silt, ~30% clay, low plastic, moist, light brown, no odor.
-16		0.6					SW	15.5-16 ft bgs: FILL: medium to fine grained sand, ~30% silt, <5% brick debris, moist, dark brown, no odor.
-17								
-18		0.8						16-20 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, <5% coarse subrounded gravel, moist, light brown, no odor.
-19								
-20								

Notes:

Location was pre-cleared by hand from 0-5 ft bgs.
Impacts include visual and olfactory observations.

Definitions:

- | | |
|--|------------------------------------|
| 1) NA - Not Applicable | 7) PID - Photo Ionization Detector |
| 2) ft - feet | 8) ppm - parts per million |
| 3) bgs - below ground surface | 9) NAPL - Non-Aqueous Phase Liquid |
| 4) U.S.C.S. - Unified Soil Classification System | |
| 5) NAVD 88 - North American Vertical Datum of 1988 | |
| 6) SAA - Same As Above | |



Boring ID: SB-14

Page 2 of 2

Project Name: Jamaica Gas Light MGP

Project Number: 60144468-210

Client: National Grid

Date Pre-Cleared: February 27, 2012

Date Started/Completed: February 27, 2012

Drilling Company: Fenley and Nicol

Drilling Method: Direct Push

Sampling Method: 5 ft Macro-Core®

Boring Diameter: 3 and 3/16 inches

Logged By: Jessica Ehlen

Water Level: ~26.5 ft bgs

Total Depth: 40 ft bgs

Ground Elevation: 46.99' NAVD 88

Converted To Well (Y/N): No

Well ID: NA

Depth (Feet)	Recovery (Feet)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description
-20	4.7'/	3.7					ML	20-20.75 ft bgs: SANDY SILT (ML): sandy silt, moist, light brown, no odor.
-21	5.0'	0.5					SW	
-22								20.75-21 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~10% mica schist pieces (black), moist, dark brown, no odor.
-23		0.7						21-25 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, <5% fine subrounded gravel, moist, light brown, few bands of orange-red sand, no odor.
-24								
-25	5.0'/	3.5			SB-14		SM	25-26 ft bgs: SILTY SAND (SM): silty sand, moist, light brown, no odor.
-26	5.0'				(25-26.5)		SW	
-27		0.4						26-26.5 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~20% coarse subangular gravel, moist, dark brown, no odor.
-28		1.2						26.5-30 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~10% coarse grained sand, ~10% fine subrounded gravel, wet, orange-brown, no odor.
-29								
-30	5.0'/	2.0						30-35 ft bgs: WELL GRADED SAND (SW): coarse to fine grained sand, <5% fine subrounded gravel, wet, light brown, no odor.
-31	5.0'							
-32		1.1						
-33								
-34								
-35	5.0'/	1.8						35-40 ft bgs: SAA.
-36	5.0'							
-37								
-38		2.1			SB-14			
-39					(37.5-40)			
-40					+ms/msd			END OF BORING 40 ft bgs

Notes:

Location was pre-cleared by hand from 0-5 ft bgs.
Impacts include visual and olfactory observations.

Definitions:

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S. - Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid



Boring ID: SB-15 / MW-4

Page 1 of 2

Project Name: Jamaica Gas Light MGP

Project Number: 60144468-210

Client: National Grid

Date Pre-Cleared: February 28, 2012

Date Started/Completed: March 8/9, 2012

Drilling Company: Fenley and Nicol

Drilling Method: Direct Push / HSA

Sampling Method: 5 ft Macro-Core®

Boring Diameter: 8 inches

Logged By: K. Barbour / J. Ehlen

Water Level: ~27.5 ft bgs

Total Depth: 40 ft bgs

Ground Elevation: 47.66' NAVD 88

Converted To Well (Y/N): Yes

Well ID: MW-4

Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description	Well Construction
0	5.0'/5.0'	0.1						0-2.5 ft bgs: FILL: silty sand, ~15% coarse gravel, dry, brown, no odor.	
-1									
-2									
-3		0.0			SB-15 (2.5-5)			2.5-5 ft bgs: SAA.	
-4									
-5	2.2'/5.0'	0.3					SW	5-10 ft bgs: WELL GRADED SAND (SW): coarse to fine grained sand, ~10% silt, ~5% fine subangular gravel, dry, light brown, no odor.	
-6									
-7									
-8									
-9									
-10	3.3'/5.0'	0.7						10-15 ft bgs: SAA, moist, few bands of reddish brown coloration (mineral), ~15% fine subrounded gravel.	
-11									
-12									
-13		0.3							
-14									
-15	5.0'/5.0'	1.6						15-20 ft bgs: WELL GRADED SAND (SW): medium to fine grained sand, ~15% fine subrounded gravel, <5% silt, moist, light brown, no odor.	
-16									
-17									
-18		0.4							
-19									
-20									

Notes:

Location was pre-cleared by hand from 0-5 ft bgs.

Impacts include visual and olfactory observations.

A 2 inch well was installed at this location from 24.5 to 34.5 ft bgs.

Definitions:

1) NA - Not Applicable

2) ft - feet

3) bgs - below ground surface

4) U.S.C.S. - Unified Soil Classification System

5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

7) PID - Photo Ionization Detector

8) ppm - parts per million

9) NAPL - Non-Aqueous Phase Liquid

10) HSA - Hollow Stem Auger

11) Well Screen 10 Slot



Boring ID: SB-15 / MW-4

Page 2 of 2

Project Name: Jamaica Gas Light MGP

Project Number: 60144468-210

Client: National Grid

Date Pre-Cleared: February 28, 2012

Date Started/Completed: March 8/9, 2012

Drilling Company: Fenley and Nicol

Drilling Method: Direct Push / HSA

Sampling Method: 5 ft Macro-Core®

Boring Diameter: 8 inches

Logged By: K. Barbour / J. Ehlen

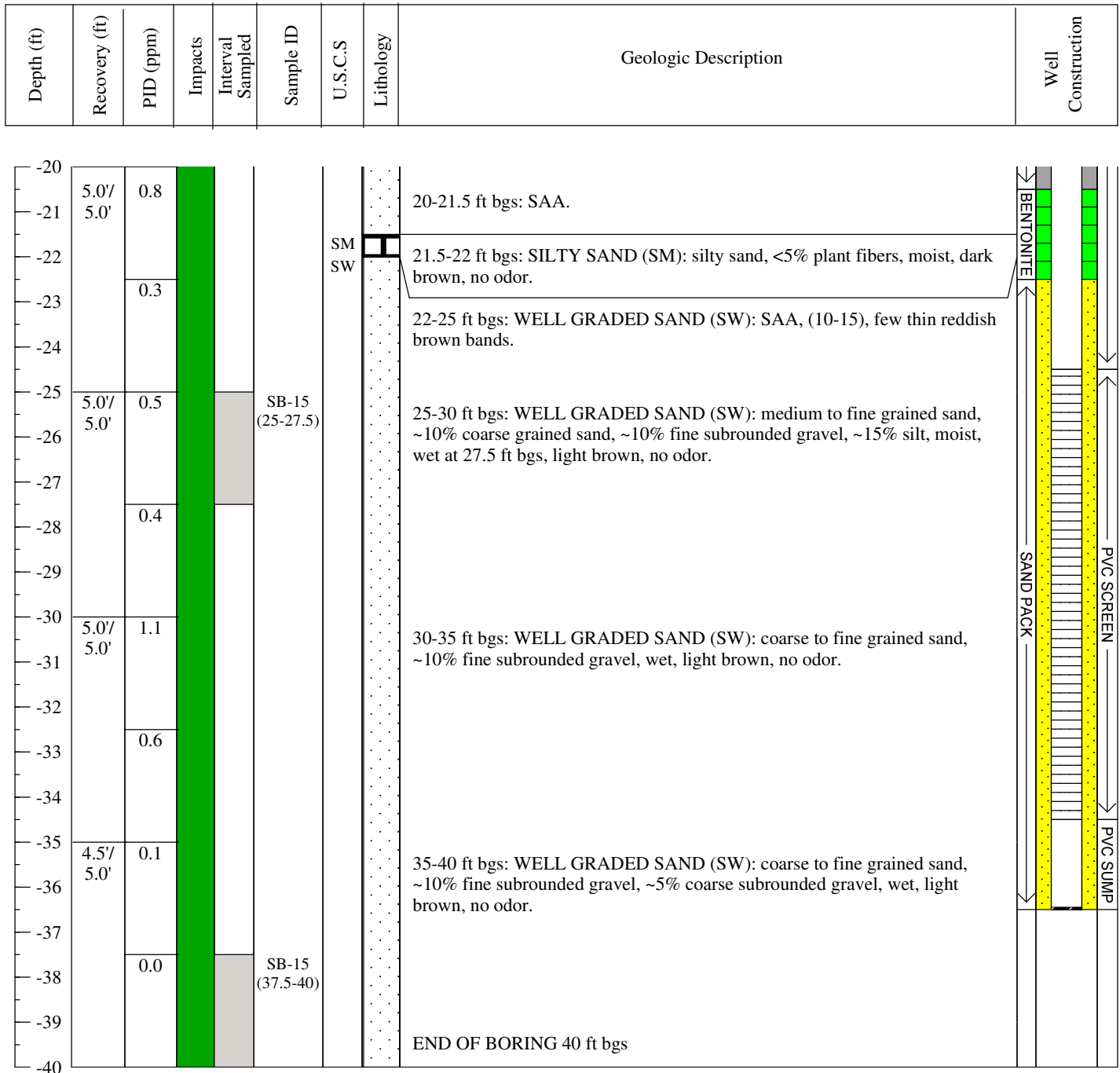
Water Level: ~27.5 ft bgs

Total Depth: 40 ft bgs

Ground Elevation: 47.66' NAVD 88

Converted To Well (Y/N): Yes

Well ID: MW-4



Notes:

Location was pre-cleared by hand from 0-5 ft bgs.
Impacts include visual and olfactory observations.
A 2 inch well was installed at this location from 24.5 to 34.5 ft bgs.

Definitions:

- | | |
|--|------------------------------------|
| 1) NA - Not Applicable | 7) PID - Photo Ionization Detector |
| 2) ft - feet | 8) ppm - parts per million |
| 3) bgs - below ground surface | 9) NAPL - Non-Aqueous Phase Liquid |
| 4) U.S.C.S. - Unified Soil Classification System | 10) HSA - Hollow Stem Auger |
| 5) NAVD 88 - North American Vertical Datum of 1988 | 11) Well Screen 10 Slot |
| 6) SAA - Same As Above | |

**Jamaica Gas and Light
Former MGP**

RI Soil Boring Logs



Boring ID: SB-16

Page 1 of 2

Project Name: Jamaica Gas Light MGP
Project Number: 60144468-410
Client: National Grid
Date Pre-Cleared: 11/15/13
Date Started/Completed: 11/18/13

Drilling Company: Zebra Environmental
Drilling Method: Direct Push
Sampling Method: 5 ft Macro-Core®
Boring Diameter: 2 1/4"
Logged By: Kristen Barbour/Jessica Ehlen

Water Level: ~24.5 ft bgs
Total Depth: 40 ft bgs
Ground Elevation: 45.55' NAVD 88
Converted To Well (Y/N): No
Well ID: NA

Depth (Feet)	Recovery (Feet)	PID (ppm)	Impacts Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description
-----------------	--------------------	--------------	--------------------------------	-----------	---------	-----------	----------------------

0		0.1					
-1							
-2							
-3	5.0/ 5.0	NA					
-4							
-5		0.3		SB-16 (4-5)			
-6							
-7							
-8	1.2/ 5.0	0.8		SB-16 (5-10)			
-9							
-10							
-11							
-12							
-13	3.3/ 5.0	1.4					
-14							
-15							
-16							
-17		3.2					
-18	4.0/ 5.0						
-19		3.6					
-20							

Notes:

Location was pre-cleared by vactron truck 0-5 ft bgs.
Impacts include visual and olfactory observations.

Definitions:

- | | |
|--|------------------------------------|
| 1) NA - Not Applicable | 7) PID - Photo Ionization Detector |
| 2) ft - feet | 8) ppm - parts per million |
| 3) bgs - below ground surface | 9) NAPL - Non-Aqueous Phase Liquid |
| 4) U.S.C.S. - Unified Soil Classification System | |
| 5) NAVD 88 - North American Vertical Datum of 1988 | |
| 6) SAA - Same As Above | |



Boring ID: SB-16

Page 2 of 2

Project Name: Jamaica Gas Light MGP
Project Number: 60144468-410
Client: National Grid
Date Pre-Cleared: 11/15/13
Date Started/Completed: 11/18/13

Drilling Company: Zebra Environmental
Drilling Method: Direct Push
Sampling Method: 5 ft Macro-Core®
Boring Diameter: 2 1/4"
Logged By: Kristen Barbour/Jessica Ehlen

Water Level: ~24.5 ft bgs
Total Depth: 40 ft bgs
Ground Elevation: 45.55' NAVD 88
Converted To Well (Y/N): No
Well ID: NA

Depth (Feet)	Recovery (Feet)	PID (ppm)	Impacts Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description
-20							
-21		2.8					20-25 ft bgs: SAA: <5% coarse sand, wet at 24.5 ft bgs.
-22							
-23	4.2/ 5.0						
-24		3.4					
-25							
-26							25-30 ft bgs: WELL GRADED SAND (SW): fine sand, 30% medium sand, <5% coarse sand, 5% subangular gravel, light brown, wet, no odor.
-27							
-28	3.0/ 5.0	4.4					
-29							
-30							30-35 ft bgs: WELL GRADED SAND (SW): medium to fine sand, ~5% coarse sand, brown, wet, no odor.
-31							
-32							
-33	2.8/ 5.0	2.8					
-34							
-35							
-36							35-40 ft bgs: WELL GRADED SAND (SW): coarse to fine sand, wet, light brown, no odor.
-37		1.7					
-38	4.2/ 5.0						
-39		2.4		SB-16 (37.5-40) DUP			
-40							END OF BORING 40 ft bgs.

Notes:

Location was pre-cleared by vacutron truck 0-5 ft bgs.
Impacts include visual and olfactory observations.

Definitions:

- | | |
|--|------------------------------------|
| 1) NA - Not Applicable | 7) PID - Photo Ionization Detector |
| 2) ft - feet | 8) ppm - parts per million |
| 3) bgs - below ground surface | 9) NAPL - Non-Aqueous Phase Liquid |
| 4) U.S.C.S. - Unified Soil Classification System | |
| 5) NAVD 88 - North American Vertical Datum of 1988 | |
| 6) SAA - Same As Above | |



Boring ID: SB-17

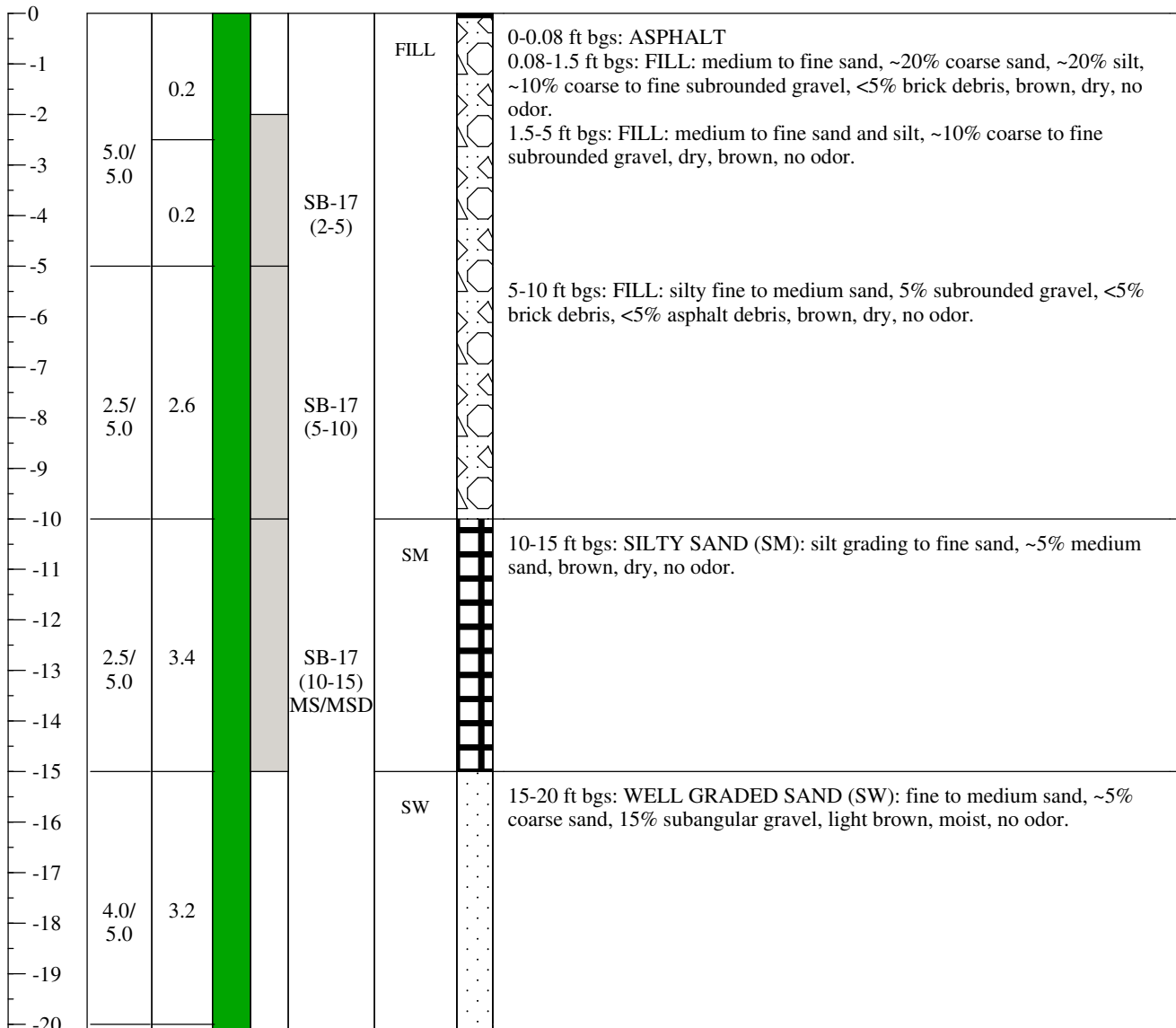
Page 1 of 2

Project Name: Jamaica Gas Light MGP
Project Number: 60144468-410
Client: National Grid
Date Pre-Cleared: 11/15/13
Date Started/Completed: 11/18/13

Drilling Company: Zebra Environmental
Drilling Method: Direct Push
Sampling Method: 5 ft Macro-Core®
Boring Diameter: 2 1/4"
Logged By: Jessica Ehlen/ Kristen Barbour

Water Level: ~25 ft bgs
Total Depth: 40 ft bgs
Ground Elevation: 45.72' NAVD 88
Converted To Well (Y/N): No
Well ID: NA

Depth (Feet)	Recovery (Feet)	PID (ppm)	Impacts Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description
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Notes:

Location was pre-cleared by vactron truck 0-5 ft bgs.
Impacts include visual and olfactory observations.

Definitions:

- | | |
|--|------------------------------------|
| 1) NA - Not Applicable | 7) PID - Photo Ionization Detector |
| 2) ft - feet | 8) ppm - parts per million |
| 3) bgs - below ground surface | 9) NAPL - Non-Aqueous Phase Liquid |
| 4) U.S.C.S. - Unified Soil Classification System | |
| 5) NAVD 88 - North American Vertical Datum of 1988 | |
| 6) SAA - Same As Above | |



Boring ID: SB-17

Page 2 of 2

Project Name: Jamaica Gas Light MGP
Project Number: 60144468-410
Client: National Grid
Date Pre-Cleared: 11/15/13
Date Started/Completed: 11/18/13

Drilling Company: Zebra Environmental
Drilling Method: Direct Push
Sampling Method: 5 ft Macro-Core®
Boring Diameter: 2 1/4"
Logged By: Jessica Ehlen/ Kristen Barbour

Water Level: ~25 ft bgs
Total Depth: 40 ft bgs
Ground Elevation: 45.72' NAVD 88
Converted To Well (Y/N): No
Well ID: NA

Depth (Feet)	Recovery (Feet)	PID (ppm)	Impacts Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description
-20							
-21		3.6					20-25 ft bgs: WELL GRADED SAND (SW): medium to fine sand, ~10% coarse sand, brown to light brown, moist, no odor.
-22							
-23	4.0/ 5.0						
-24		3.2					
-25							
-26							25-30 ft bgs: WELL GRADED SAND (SW): coarse to fine sand, brown, wet, no odor.
-27							
-28	4.0/ 5.0	3.0					
-29							
-30							
-31							30-35 ft bgs: SAA.
-32		3.3					
-33	5.0/ 5.0						
-34		2.7					
-35							
-36							35-40 ft bgs: SAA.
-37		2.8					
-38	5.0/ 5.0						
-39		3.0		SB-17 (37.5-40)			END OF BORING 40 ft bgs.
-40							

Notes:

Location was pre-cleared by vactron truck 0-5 ft bgs.
Impacts include visual and olfactory observations.

Definitions:

- | | |
|--|------------------------------------|
| 1) NA - Not Applicable | 7) PID - Photo Ionization Detector |
| 2) ft - feet | 8) ppm - parts per million |
| 3) bgs - below ground surface | 9) NAPL - Non-Aqueous Phase Liquid |
| 4) U.S.C.S. - Unified Soil Classification System | |
| 5) NAVD 88 - North American Vertical Datum of 1988 | |
| 6) SAA - Same As Above | |





Boring ID: SB-18

Page 2 of 2

Project Name: Jamaica Gas Light MGP
Project Number: 60144468-410
Client: National Grid
Date Pre-Cleared: 11/15/13
Date Started/Completed: 11/19/13

Drilling Company: Zebra Environmental
Drilling Method: Direct Push
Sampling Method: 5 ft Macro-Core®
Boring Diameter: 2 1/4"
Logged By: Jessica Ehlen

Water Level: ~23 ft bgs
Total Depth: 40 ft bgs
Ground Elevation: 43.36' NAVD 88
Converted To Well (Y/N): No
Well ID: NA

Depth (Feet)	Recovery (Feet)	PID (ppm)	Impacts Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description
-20							
-21		0.9					20-22.5 ft bgs: WELL GRADED SAND (SW): medium to fine sand, ~10% coarse sand, ~10% coarse to fine subrounded gravel, moist, light brown, no odor, few bands of orange-brown sand throughout.
-22							
-23	4.5/ 5.0						22.5-25 ft bgs: WELL GRADED SAND (SW): coarse to fine sand, ~10% coarse to fine subrounded gravel, moist 22.5-23 ft bgs, wet 23-25 ft bgs, no odor, few bands of orange brown and brown sand throughout.
-24		1.0					
-25							
-26					SP		25-27 ft bgs POORLY GRADED SAND (SP): fine sand, ~10% medium sand, light brown, wet, no odor.
-27		1.4					
-28	5.0/ 5.0				SW		27-30 ft bgs: WELL GRADED SAND (SW): coarse to fine sand, ~15% coarse to fine subrounded gravel, brown, wet, no odor.
-29		1.4					
-30							
-31							30-35 ft bgs: SAA.
-32							
-33	5.0/ 5.0	0.9					
-34							
-35							
-36							35-40 ft bgs: WELL GRADED SAND (SW): coarse to fine sand, brown, wet, no odor.
-37		1.1					
-38	5.0/ 5.0						
-39		1.1		SB-18 (37.5-40)			END OF BORING 40 ft bgs.
-40							

Notes:

Location was pre-cleared by vactron truck 0-5 ft bgs.
Impacts include visual and olfactory observations.

Definitions:

- | | |
|--|------------------------------------|
| 1) NA - Not Applicable | 7) PID - Photo Ionization Detector |
| 2) ft - feet | 8) ppm - parts per million |
| 3) bgs - below ground surface | 9) NAPL - Non-Aqueous Phase Liquid |
| 4) U.S.C.S. - Unified Soil Classification System | |
| 5) NAVD 88 - North American Vertical Datum of 1988 | |
| 6) SAA - Same As Above | |



Boring ID: SB-19

Page 1 of 2

Project Name: Jamaica Gas Light MGP
Project Number: 60144468-410
Client: National Grid
Date Pre-Cleared: 11/12/13
Date Started/Completed: 11/12/13

Drilling Company: Zebra Environmental
Drilling Method: Direct Push
Sampling Method: 5 ft Macro-Core®
Boring Diameter: 2 1/4"
Logged By: Jessica Ehlen

Water Level: ~30 ft bgs
Total Depth: 40 ft bgs
Ground Elevation: 47.17' NAVD 88
Converted To Well (Y/N): No
Well ID: NA

Depth (Feet)	Recovery (Feet)	PID (ppm)	Impacts Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description
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0							0-0.17 ft bgs: ASPHALT
-1							0.17-3 ft bgs: FILL: medium to fine sand, 10% silt, ~10% coarse to fine rounded to subrounded gravel, <5% brick debris, <5% plant roots, brown, dry, no odor.
-2		0.3					
-3	6.0/						
-4	6.0			SB-19 (2-5) MS/MSD	SW		3-6 ft bgs: WELL GRADED SAND (SW): medium to fine sand, 10% silt, ~10% coarse to fine rounded to subrounded gravel, <5% plant roots, brown, dry, no odor.
-5		0.2					
-6							
-7							6-10 ft bgs: WELL GRADED SAND (SW): medium to fine sand, ~20% coarse sand, ~15% coarse to subrounded gravel, ~5% silt, dry, brown 6 -8 ft bgs, light brown 8-10 ft bgs, no odor.
-8	4.0/	0.0					
-9	4.0						
-10							
-11							10-15 ft bgs: WELL GRADED SAND (SW): medium to fine sand, ~15% coarse sand, ~10% coarse to fine subangular to subrounded gravel, dry, light brown, no odor.
-12							
-13	3.5/	0.0		SB-19 (10-15)			
-14	5.0						
-15							
-16					SM		15-17.5 ft bgs: SILTY SAND (SM): medium to fine sand, ~25% silt, ~5% coarse to fine subrounded gravel, brown, dry, no odor.
-17		0.2					
-18	5.0/						
-19	5.0				SW		17.5-20 ft bgs: WELL GRADED SAND (SW): medium to fine sand, ~20% coarse sand, ~5% coarse to fine subrounded gravel, light brown, moist, no odor.
-20		0.0					

Notes:

Location was pre-cleared by vactron truck 0-5 ft bgs.
Impacts include visual and olfactory observations.

Definitions:

- | | |
|--|------------------------------------|
| 1) NA - Not Applicable | 7) PID - Photo Ionization Detector |
| 2) ft - feet | 8) ppm - parts per million |
| 3) bgs - below ground surface | 9) NAPL - Non-Aqueous Phase Liquid |
| 4) U.S.C.S. - Unified Soil Classification System | |
| 5) NAVD 88 - North American Vertical Datum of 1988 | |
| 6) SAA - Same As Above | |



Boring ID: SB-19

Page 2 of 2

Project Name: Jamaica Gas Light MGP
Project Number: 60144468-410
Client: National Grid
Date Pre-Cleared: 11/12/13
Date Started/Completed: 11/12/13

Drilling Company: Zebra Environmental
Drilling Method: Direct Push
Sampling Method: 5 ft Macro-Core®
Boring Diameter: 2 1/4"
Logged By: Jessica Ehlen

Water Level: ~30 ft bgs
Total Depth: 40 ft bgs
Ground Elevation: 47.17' NAVD 88
Converted To Well (Y/N): No
Well ID: NA

Depth (Feet)	Recovery (Feet)	PID (ppm)	Impacts Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description
-20							
-21							
-22							
-23	3.5/ 5.0	0.0					20-25 ft bgs: WELL GRADED SAND (SW): coarse to fine sand, ~10% coarse to fine subrounded gravel, light brown, few reddish-orange bands throughout, moist, no odor.
-24							
-25							
-26							25-30 ft bgs: WELL GRADED SAND (SW): coarse to fine sand, 10% coarse to fine subrounded gravel, light brown with few dark brown bands throughout, moist, no odor.
-27							
-28	4.0/ 5.0	0.1					
-29							
-30							
-31		0.0					30-32 ft bgs: SAA: brown.
-32							
-33	4.2/ 5.0	0.0					32-35 ft bgs: WELL GRADED SAND (SW): medium to fine sand, ~10% coarse sand, brown, wet, no odor.
-34							
-35							
-36		0.1					35-40 ft bgs: SAA: 2- inch thick layer of fine subrounded gravel from 39'6" to 39'8".
-37							
-38	5.0/ 5.0	0.0		SB-19 (37.5-40)			
-39							
-40							END OF BORING 40 ft bgs.

Notes:

Location was pre-cleared by vacutron truck 0-5 ft bgs.
Impacts include visual and olfactory observations.

Definitions:

- | | |
|--|------------------------------------|
| 1) NA - Not Applicable | 7) PID - Photo Ionization Detector |
| 2) ft - feet | 8) ppm - parts per million |
| 3) bgs - below ground surface | 9) NAPL - Non-Aqueous Phase Liquid |
| 4) U.S.C.S. - Unified Soil Classification System | |
| 5) NAVD 88 - North American Vertical Datum of 1988 | |
| 6) SAA - Same As Above | |



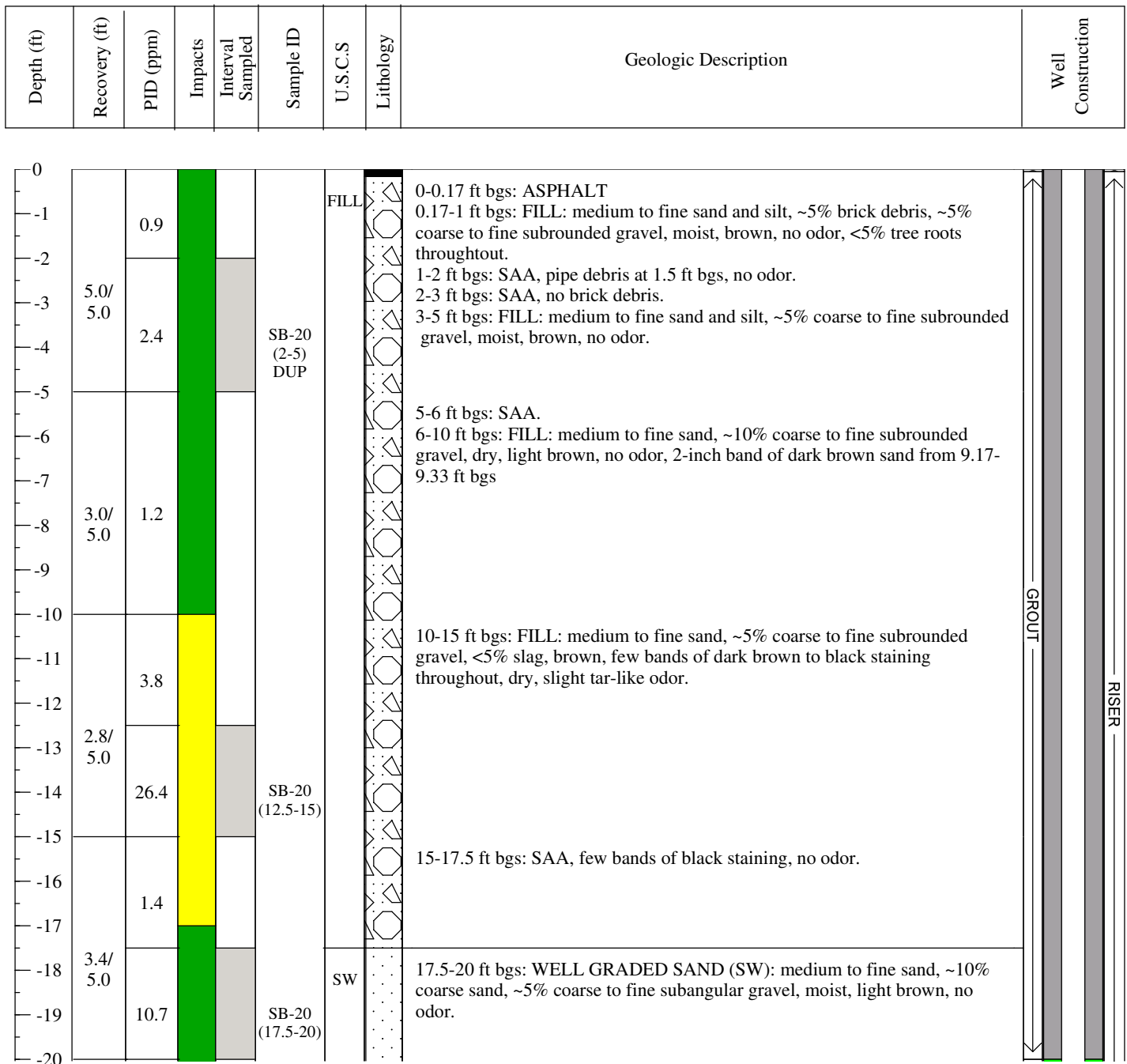
Boring ID: SB-20/MW-7

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Project Name: Jamaica Gas Light MGP
Project Number: 60144468-410
Client: National Grid
Date Pre-Cleared: 11/12/13
Date Started/Completed: 11/13/13

Drilling Company: Zebra Environmental
Drilling Method: Direct Push / HSA
Sampling Method: 5 ft Macro-Core®
Boring Diameter: 2 1/4"
Logged By: Jessica Ehlen

Water Level: ~27.5 ft bgs
Total Depth: 40 ft bgs
Ground Elevation: 46.06' NAVD 88
Converted To Well (Y/N): YES
Well ID: MW-7



Notes:

Location was pre-cleared by vacutron truck from 0-5 ft bgs
A 2" well was installed from 24-34 ft bgs.
Impacts include visual and olfactory.
Flush mount road box with concrete pad installed at this location.

Definitions:

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid
- 10) HSA - Hollow Stem Auger



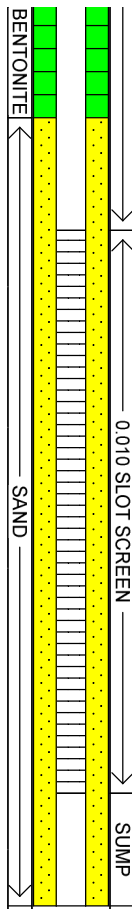
Boring ID: SB-20/MW-7

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Project Name: Jamaica Gas Light MGP
Project Number: 60144468-410
Client: National Grid
Date Pre-Cleared: 11/12/13
Date Started/Completed: 11/13/13

Drilling Company: Zebra Environmental
Drilling Method: Direct Push / HSA
Sampling Method: 5 ft Macro-Core®
Boring Diameter: 2 1/4"
Logged By: Jessica Ehlen

Water Level: ~27.5 ft bgs
Total Depth: 40 ft bgs
Ground Elevation: 46.06' NAVD 88
Converted To Well (Y/N): YES
Well ID: MW-7

Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description	Well Construction
-20								20-25 ft bgs: WELL GRADED SAND (SW): medium to fine sand, 5% coarse sand, light brown, moist, no odor, reddish orange from 23-24 ft bgs.	
-21									
-22									
-23	4.6/ 5.0	16.8							
-24									
-25								25-27.5 ft bgs: WELL GRADED SAND (SW): fine sand, ~20% medium sand, <5% fine subrounded gravel, light brown, wet, no odor.	
-26		13.2							
-27									
-28	5.0/ 5.0							27.5-30 ft bgs: WELL GRADED SAND (SW): medium to fine sand, ~10% coarse sand, ~10% coarse to fine subrounded gravel, light brown, wet, no odor.	
-29		4.5							
-30								30-35 ft bgs: WELL GRADED SAND (SW): coarse to fine sand, <5% coarse to fine subrounded gravel, brown, wet, no odor.	
-31		2.0							
-32									
-33	4.5/ 5.0								
-34		2.0							
-35								35-40 ft bgs: WELL GRADED SAND (SW): medium to fine sand, ~25% coarse sand, wet, brown, no odor.	
-36		1.8							
-37									
-38	4.0/ 5.0								
-39		0.7							
-40								END OF BORING 40 ft bgs.	

Notes:

Location was pre-cleared by vacutron truck from 0-5 ft bgs
A 2" well was installed from 24-34 ft bgs.
Impacts include visual and olfactory.
Flush mount road box with concrete pad installed at this location.

Definitions:

- | | |
|--|------------------------------------|
| 1) NA - Not Applicable | 7) PID - Photo Ionization Detector |
| 2) ft - feet | 8) ppm - parts per million |
| 3) bgs - below ground surface | 9) NAPL - Non-Aqueous Phase Liquid |
| 4) U.S.C.S.- Unified Soil Classification System | 10) HSA - Hollow Stem Auger |
| 5) NAVD 88 - North American Vertical Datum of 1988 | |
| 6) SAA - Same As Above | |



Boring ID: SB-21/MW-8

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Project Name: Jamaica Gas Light MGP

Project Number: 60144468-410

Client: National Grid

Date Pre-Cleared: 11/9/13

Date Started/Completed: 11/10/13

Drilling Company: Zebra Environmental

Drilling Method: Direct Push / HSA

Sampling Method: 5 ft Macro-Core®

Boring Diameter: 2 1/4"

Logged By: Jessica Ehlen

Water Level: ~28 ft bgs

Total Depth: 40 ft bgs

Ground Elevation: 45.14' NAVD88

Converted To Well (Y/N): YES

Well ID: MW-8

Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description	Well Construction
0									
-1									
-2									
-3	5.0/5.0	0.1			SB-21 (1-5)		FILL	0-0.33 ft bgs: ASPHALT 0.33-1.5 ft bgs: FILL: medium to fine sand, ~10% silt, ~5% concrete and brick debris, 5% coarse rounded gravel, moist, no odor. 1.5-3 ft bgs: SAA: moist, no odor. 3-5 ft bgs SAA.	
-4									
-5									
-6									
-7									
-8	2.6/5.0	0.3			SB-21 (5-10)			5-10 ft bgs: FILL: medium to fine sand, ~10% coarse sand, ~10% silt, ~5% brick debris, brown, dry, no odor.	
-9									
-10									
-11							SW	10-15 ft bgs: WELL GRADED SAND (SW): medium to fine sand, ~10% coarse sand, ~5% subrounded gravel, moist, no odor.	
-12	1.9/5.0	0.4			SB-21 (10-15)				
-13									
-14									
-15									
-16							SP	15-20 ft bgs: POORLY GRADED SAND (SP): fine sand, ~10% medium sand, <5% subrounded gravel, moist, light brown, no odor.	
-17									
-18	3.6/5.0	NA							
-19									
-20									

Notes:

Location was pre-cleared by vacutron truck from 0-5 ft bgs.
A 2" well was installed from 26-36 ft bgs.
Impacts include visual and olfactory observations.
Flush mount road box with concrete pad installed at this location.

Definitions:

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid
- 10) HSA - Hollow Stem Auger



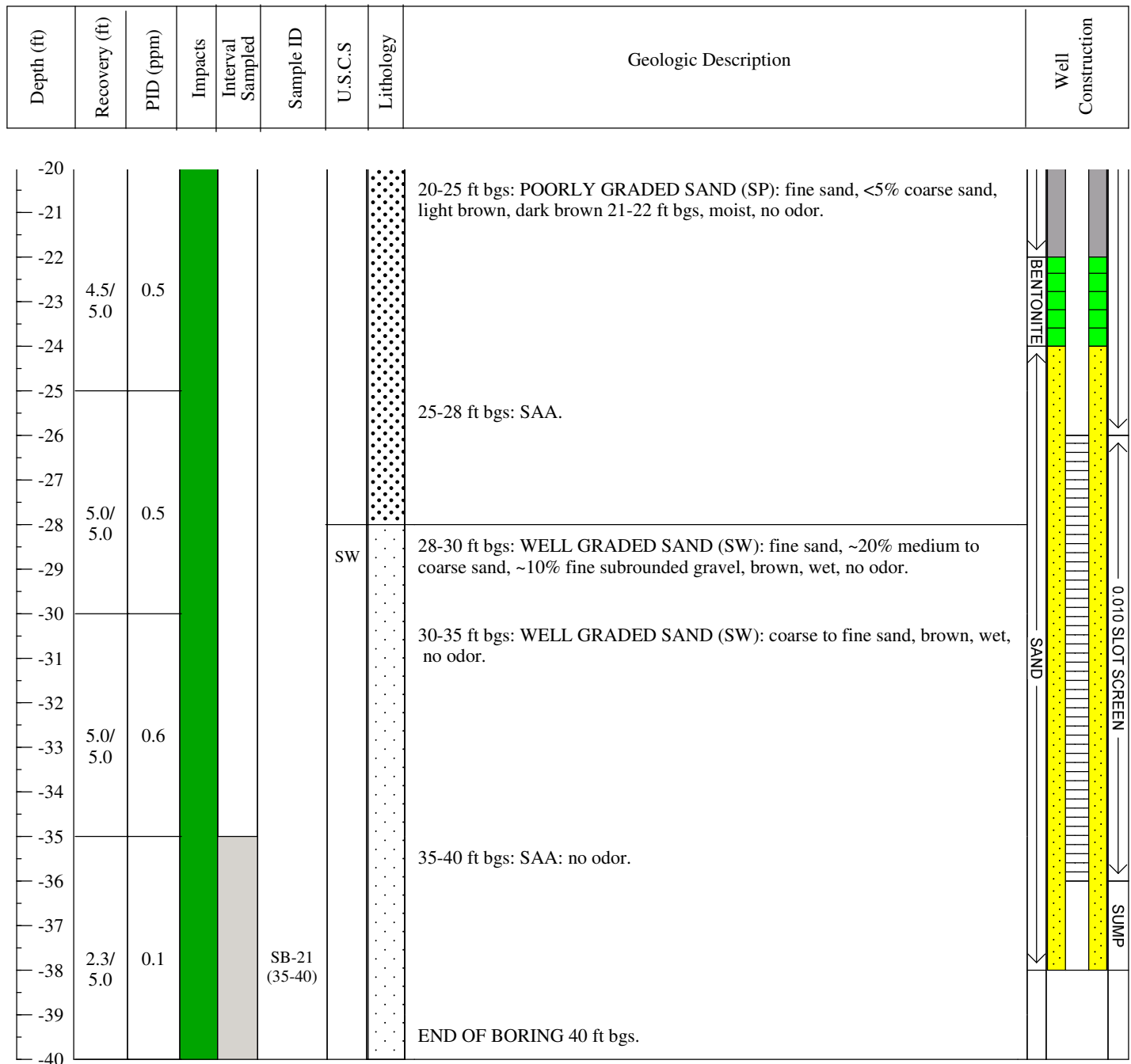
Boring ID: SB-21/MW-8

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Project Name: Jamaica Gas Light MGP
Project Number: 60144468-410
Client: National Grid
Date Pre-Cleared: 11/9/13
Date Started/Completed: 11/10/13

Drilling Company: Zebra Environmental
Drilling Method: Direct Push / HSA
Sampling Method: 5 ft Macro-Core®
Boring Diameter: 2 1/4"
Logged By: Jessica Ehlen

Water Level: ~28 ft bgs
Total Depth: 40 ft bgs
Ground Elevation: 45.14' NAVD88
Converted To Well (Y/N): YES
Well ID: MW-8



Notes:

Location was pre-cleared by vactron truck from 0-5 ft bgs.
A 2" well was installed from 26-36 ft bgs.
Impacts include visual and olfactory observations.
Flush mount road box with concrete pad installed at this location.

Definitions:

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid
- 10) HSA - Hollow Stem Auger



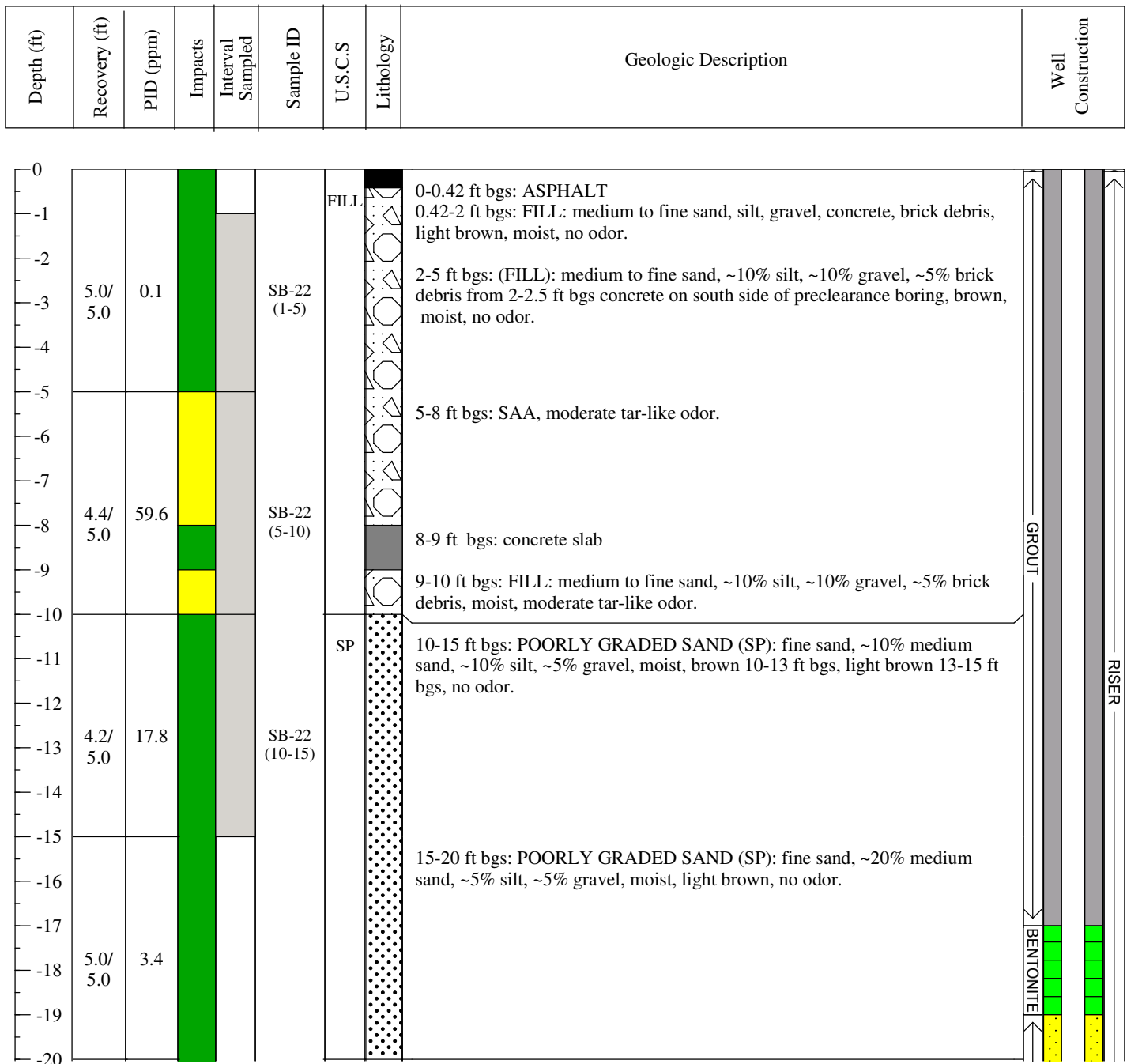
Boring ID: SB-22/MW-9

Page 1 of 2

Project Name: Jamaica Gas Light MGP
Project Number: 60144468-410
Client: National Grid
Date Pre-Cleared: 11/9/13
Date Started/Completed: 11/11/13

Drilling Company: Zebra Environmental
Drilling Method: Direct Push / HSA
Sampling Method: 5 ft Macro-Core®
Boring Diameter: 2 1/4"
Logged By: Jessica Ehlen

Water Level: ~23 ft bgs
Total Depth: 40 ft bgs
Ground Elevation: 40.97' NAVD88
Converted To Well (Y/N): Yes
Well ID: MW-9



Notes:

Location was pre-cleared by vactron truck from 0-5 ft bgs
A 2" well was installed from 21-31 ft bgs.
Impacts include visual and olfactory observations.
Flush mount road box with concrete pad installed at this location.

Definitions:

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid
- 10) HSA - Hollow Stem Auger



Boring ID: SB-22/MW-9

Page 2 of 2

Project Name: Jamaica Gas Light MGP
Project Number: 60144468-410
Client: National Grid
Date Pre-Cleared: 11/9/13
Date Started/Completed: 11/11/13

Drilling Company: Zebra Environmental
Drilling Method: Direct Push / HSA
Sampling Method: 5 ft Macro-Core®
Boring Diameter: 2 1/4"
Logged By: Jessica Ehlen

Water Level: ~23 ft bgs
Total Depth: 40 ft bgs
Ground Elevation: 40.97' NAVD88
Converted To Well (Y/N): Yes
Well ID: MW-9

Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description	Well Construction
-20									
-21									
-22									
-23	3.5/ 5.0	4.7						20-25 ft bgs: WELL GRADED SAND (SW): fine sand, ~25% medium to coarse sand, ~10% coarse to fine subangular gravel, light brown, no odor, moist 20-23 ft bgs, wet 23-25 ft bgs.	
-24									
-25									
-26								25-30 ft bgs: WELL GRADED SAND (SW): fine to coarse sand, <5% gravel, wet, brown, no odor.	
-27									
-28	4.6/ 5.0	0.5							
-29									
-30									
-31								30-35 ft bgs: WELL GRADED SAND (SW): coarse to fine sand, 5% fine subangular gravel, wet, brown, no odor.	
-32									
-33	5.0/ 5.0	0.0							
-34									
-35									
-36								35-40 ft bgs: WELL GRADED SAND (SW): medium to fine sand, ~25% coarse sand, ~5% fine subangular gravel, wet, brown, no odor.	
-37									
-38	5.0/ 5.0	0.5			SB-22 (35-40)				
-39									
-40								END OF BORING 40 ft bgs.	

Notes:

Location was pre-cleared by vacutron truck from 0-5 ft bgs
A 2" well was installed from 21-31 ft bgs.
Impacts include visual and olfactory observations.
Flush mount road box with concrete pad installed at this location.

Definitions:

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid
- 10) HSA - Hollow Stem Auger



Boring ID: SB-23/MW-10

Page 1 of 2

Project Name: Jamaica Gas Light MGP

Project Number: 60144468-410

Client: National Grid

Date Pre-Cleared: 11/9/13

Date Started/Completed: 11/16/13

Drilling Company: Zebra Environmental

Drilling Method: Direct Push / HSA

Sampling Method: 5 ft Macro-Core®

Boring Diameter: 2 1/4"

Logged By: Jessica Ehlen

Water Level: ~19 ft bgs

Total Depth: 40 ft bgs

Ground Elevation: 37.77' NAVD88

Converted To Well (Y/N): Yes

Well ID: MW-10

Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description	Well Construction
0									
-1									
-2									
-3	5.0/5.0	0.1			SB-23 (1-4)			0-0.08 ft bgs: Grass 0.08-2 ft bgs: FILL: fine sand, ~25% medium sand, ~10% silt, ~5% coarse rounded gravel, ~5% brick debris, dry, brown, no odor. 2-4 ft bgs: SAA, ~10% cobbles up to 6-inches in diameter.	
-4		NA						4-5 ft bgs: FILL: bricks, scattered throughout.	
-5								5-9 ft bgs: FILL: concrete and brick debris, <5% medium to fine sand, dry, no odor.	
-6									
-7									
-8	2.3/5.0	0.3			SB-23 (5-10)			9-10 ft bgs:(FILL): medium to fine sand and silt, ~20% coarse sand, ~10% coarse subrounded gravel, dry, brown, no odor.	
-9								10-15 ft bgs: FILL: medium to fine sand, ~20% coarse sand, ~15% coarse subrounded gravel, dry, brown, no odor.	
-10									
-11		0.4							
-12									
-13	4.0/5.0	0.4							
-14									
-15									
-16		0.7						15-17.5 ft bgs: FILL: fine sand, ~25% silt, ~20% coarse to fine subrounded gravel, <5% brick debris, moist, no odor.	
-17									
-18	5.0/5.0	0.5				SW		17.5-20 ft bgs: WELL GRADED SAND (SW): medium to fine sand, ~20% coarse sand, ~10% coarse to fine subrounded gravel, brown, moist 17.5-19 ft bgs, wet 19-20 ft bgs, no odor.	
-19									
-20									

Notes:

Location was pre-cleared by vacutron truck from 0-5 ft bgs

A 2" well was installed from 17-27 ft bgs

Impacts include visual and olfactory observations.

Flush mount road box with concrete pad installed at this location.

Definitions:

1) NA - Not Applicable

2) ft - feet

3) bgs - below ground surface

4) U.S.C.S.- Unified Soil Classification System

5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

7) PID - Photo Ionization Detector

8) ppm - parts per million

9) NAPL - Non-Aqueous Phase Liquid

10) HSA - Hollow Stem Auger



Boring ID: SB-23/MW-10

Page 2 of 2

Project Name: Jamaica Gas Light MGP
Project Number: 60144468-410
Client: National Grid
Date Pre-Cleared: 11/9/13
Date Started/Completed: 11/16/13

Drilling Company: Zebra Environmental
Drilling Method: Direct Push / HSA
Sampling Method: 5 ft Macro-Core®
Boring Diameter: 2 1/4"
Logged By: Jessica Ehlen

Water Level: ~19 ft bgs
Total Depth: 40 ft bgs
Ground Elevation: 37.77' NAVD88
Converted To Well (Y/N): Yes
Well ID: MW-10

Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description	Well Construction
-20									
-21								20-25 ft bgs: WELL GRADED SAND (SW): coarse to fine sand, ~25% coarse subrounded gravel, wet, brown, no odor.	
-22									
-23	2.0/ 5.0	0.6							
-24									
-25									
-26		0.8						25-30 ft bgs: WELL GRADED SAND (SW): medium to fine sand, ~15% coarse sand, ~5% coarse to fine subrounded gravel, brown, wet, no odor.	
-27									
-28	4.2/ 5.0								
-29		0.6							
-30									
-31								30-35 ft bgs: SAA.	
-32		0.9							
-33	4.0/ 5.0								
-34		0.9							
-35									
-36		0.8						35-40 ft bgs: WELL GRADED SAND (SW): coarse to fine sand, ~10% coarse to fine subrounded gravel, brown, wet, no odor.	
-37									
-38	5.0/ 5.0								
-39		0.9			SB-23 (37.5-40)			END OF BORING 40 ft bgs.	
-40									

Notes:

Location was pre-cleared by vacutron truck from 0-5 ft bgs
A 2" well was installed from 17-27 ft bgs
Impacts include visual and olfactory observations.
Flush mount road box with concrete pad installed at this location.

Definitions:

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid
- 10) HSA - Hollow Stem Auger

Tables

Table 1
Summary of Surface Soil Analytical Data Surface Soil
Jamaica Gas & Light Former MGP Site
Queens, New York



Sample Location Sample Date Sample ID Sample Interval (feet) SDG	CAS #	NYSDEC Part 375-6 Unrestricted Use	NYSDEC Part 375-6 Restricted Residential Use	NYSDEC Part 375-6 Commercial Use	SS-05 2/29/2012 SS-5 (0-2)022912 0-2 460373881	SS-05A 3/8/2012 SS-5A (0-2)030812 0-2 460373881	SS-11 2/28/2012 SS-11 (0-2)022812 0-2 460373431	SS-12 2/28/2012 SS-12 (0-2)022812 0-2 460373431	SS-14 2/27/2012 SS-14 (0-2)022712 0-2 460373431
BTEX (mg/kg)									
Benzene	71-43-2	0.06	4.8	44	< 0.0093 U	0.00019 J	< 0.0011 U	< 0.0011 U	< 0.0012 U
Ethylbenzene	100-41-4	1	41	390	< 0.0093 U	< 0.001 U	< 0.0011 U	< 0.0011 U	< 0.0012 U
Toluene	108-88-3	0.7	100	500	< 0.0093 U	0.0014	< 0.0011 U	< 0.0011 U	< 0.0012 U
Xylenes (total)	1330-20-7	0.26	100	500	< 0.0028 U	< 0.0031 U	< 0.0033 U	< 0.0033 U	< 0.0035 U
Total BTEX					<i>ND</i>	0.00159	<i>ND</i>	<i>ND</i>	<i>ND</i>
Volatile Organic Compounds (VOCs)(mg/Kg)									
1,1,1-Trichloroethane	71-55-6	0.68	100	500	< 0.0093 U	< 0.001 U	< 0.0011 U	< 0.0011 U	< 0.0012 U
1,1,2,2-Tetrachloroethane	79-34-5	NL	NL	NL	< 0.0093 U	< 0.001 U	< 0.0011 U	< 0.0011 U	< 0.0012 U
1,1,2-Trichloroethane	79-00-5	NL	NL	NL	< 0.0093 U	< 0.001 U	< 0.0011 U	< 0.0011 U	< 0.0012 U
1,1-Dichloroethane	75-34-3	0.27	26	240	< 0.0093 U	< 0.001 U	< 0.0011 U	< 0.0011 U	< 0.0012 U
1,1-Dichloroethene	75-35-4	0.33	100	500	< 0.0093 U	< 0.001 U	< 0.0011 U	< 0.0011 U	< 0.0012 U
1,2-Dichloroethene	107-06-2	0.02	3.1	30	< 0.0093 U	0.00053 J	< 0.0011 U	< 0.0011 U	< 0.0012 U
1,2-Dichloropropane	78-87-5	NL	NL	NL	< 0.0093 U	< 0.001 U	< 0.0011 U	< 0.0011 U	< 0.0012 U
2-Butanone	78-93-3	0.12	100	500	0.0024 J	R	R	R	R
2-Hexanone	591-78-6	NL	NL	NL	< 0.0093 UJ	< 0.01 U	< 0.011 U	< 0.011 U	< 0.012 U
4-Methyl-2-pentanone	108-10-1	NL	NL	NL	0.0007 J	< 0.01 U	< 0.011 U	< 0.011 U	0.0017 J
Acetone	67-64-1	0.05	100	500	< 0.011 U	< 0.01 U	< 0.011 U	< 0.011 U	< 0.014 U
Bromodichloromethane	75-27-4	NL	NL	NL	< 0.0093 U	< 0.001 U	< 0.0011 U	< 0.0011 U	< 0.0012 U
Bromoform	75-25-2	NL	NL	NL	< 0.0093 U	< 0.001 U	< 0.0011 U	< 0.0011 U	< 0.0012 U
Bromomethane	74-83-9	NL	NL	NL	< 0.0093 U	< 0.001 U	< 0.0011 U	< 0.0011 U	< 0.0012 UJ
Carbon disulfide	75-15-0	NL	NL	NL	< 0.0093 U	< 0.001 U	< 0.0011 U	< 0.0011 U	< 0.0012 U
Carbon tetrachloride	56-23-5	0.76	2.4	22	< 0.0093 U	< 0.001 U	< 0.0011 U	< 0.0011 U	< 0.0012 U
Chlorobenzene	108-90-7	1.1	100	500	< 0.0093 U	< 0.001 U	< 0.0011 U	< 0.0011 U	< 0.0012 U
Chloroethane	75-00-3	NL	NL	NL	< 0.0093 U	< 0.001 U	< 0.0011 U	< 0.0011 U	< 0.0012 UJ
Chloroform	67-66-3	0.37	49	350	< 0.0093 U	< 0.001 U	< 0.0011 U	< 0.0011 U	< 0.0012 U
Chloromethane	74-87-3	NL	NL	NL	< 0.0093 U	< 0.001 U	< 0.0011 U	< 0.0011 U	< 0.0012 U
cis-1,2-Dichloroethene	156-59-2	0.25	100	500	< 0.0093 U	0.00019 J	< 0.0011 U	< 0.0011 U	< 0.0012 U
cis-1,3-Dichloropropene	10061-01-5	NL	NL	NL	< 0.0093 U	< 0.001 U	< 0.0011 U	< 0.0011 U	< 0.0012 U
Dibromochloromethane	124-48-1	NL	NL	NL	< 0.0093 U	< 0.001 U	< 0.0011 U	< 0.0011 U	< 0.0012 U
Methylene chloride	75-09-2	0.05	100	500	0.0047	0.031 J	0.0033	0.0029	0.0014
Styrene	100-42-5	NL	NL	NL	< 0.0093 U	< 0.001 U	< 0.0011 U	< 0.0011 U	< 0.0012 U
Tetrachloroethene	127-18-4	1.3	19	150	< 0.0093 U	< 0.001 U	< 0.0011 U	< 0.0011 U	< 0.0012 U
trans-1,2-Dichloroethene	156-60-5	0.19	100	500	< 0.0093 U	< 0.001 U	< 0.0011 U	< 0.0011 U	< 0.0012 U
trans-1,3-Dichloropropene	10061-02-6	NL	NL	NL	< 0.0093 U	< 0.001 U	< 0.0011 U	< 0.0011 U	< 0.0012 U
Trichloroethene	79-01-6	0.47	21	200	< 0.0093 U	< 0.001 U	< 0.0011 U	< 0.0011 U	< 0.0012 U
Vinyl chloride	75-01-4	0.02	0.9	13	< 0.0093 U	< 0.001 U	< 0.0011 U	< 0.0011 U	< 0.0012 U
Total VOCs					0.0078	0.03331	0.0033	0.0029	0.0031
Polynuclear Aromatic Hydrocarbons (PAHs) (mg/Kg)									
2-Methylnaphthalene	91-57-6	NL	NL	NL	< 0.4 U	< 0.35 U	< 0.37 U	< 0.39 U	< 0.4 U
Acenaphthene	83-32-9	20	100	500	< 0.4 U	< 0.35 U	< 0.37 U	< 0.39 U	< 0.4 U
Acenaphthylene	208-96-8	100	100	500	0.085 J	0.074 J	0.19 J	0.23 J	0.083 J
Anthracene	120-12-7	100	100	500	0.25 J	0.12 J	0.28 J	0.33 J	0.13 J
Benzo(a)anthracene	56-55-3	1	1	5.6	0.4	0.44	0.89	1.1	0.68
Benzo(a)pyrene	50-32-8	1	1	1	0.37	0.36	0.84	1	0.59
Benzo(b)fluoranthene	205-99-2	1	1	5.6	0.55	0.45	1.3	1.4	0.66
Benzo(ghi)perylene	191-24-2	100	100	500	0.38 J	0.33 J	0.57	0.79	0.44
Benzo(k)fluoranthene	207-08-9	0.8	3.9	56	0.18	0.21	0.46	0.66	0.25
Chrysene	218-01-9	1	3.9	56	0.51	0.45	1.2	1.4	0.61
Dibenz(a,h)anthracene	53-70-3	0.33	0.33	0.56	0.078	0.091	0.14	0.2	0.12
Fluoranthene	206-44-0	100	100	500	0.75	0.61	1.4	1.7	0.86
Fluorene	86-73-7	30	100	500	< 0.4 U	< 0.35 U	< 0.37 U	< 0.39 U	< 0.4 U
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	0.5	5.6	0.41	0.33	0.64	0.83	0.48
Naphthalene	91-20-3	12	100	500	< 0.4 U	< 0.35 U	< 0.37 U	0.046 J	< 0.4 U
Phenanthrene	85-01-8	100	100	500	0.36 J	0.3 J	0.49	0.7	0.42
Pyrene	129-00-0	100	100	500	0.53	0.74	1.5	1.9	1.3
Total PAHs					4.853	4.505	9.9	12.286	6.623

Notes:
Exceedance of the NYSDEC Part 375-6.8(b) Unrestricted Use Soil Cleanup Objective value.
Exceedance of the NYSDEC Part 375-6.8(b) Restricted Residential Use Soil Cleanup Objective value.
Exceedance of the NYSDEC Part 375-6.8(b) Commercial Use Soil Cleanup Objective value.

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Bold indicates compound was detected
U = Nondetected result. The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
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Table 1
Summary of Surface Soil Analytical Data Surface Soil
Jamaica Gas & Light Former MGP Site
Queens, New York



Sample Location Sample Date Sample ID Sample Interval (feet) SDG	CAS #	NYSDEC Part 375-6 Unrestricted Use	NYSDEC Part 375-6 Restricted Residential Use	NYSDEC Part 375-6 Commercial Use	SS-05 2/29/2012 SS-5 (0-2)022912 0-2 460373881	SS-05A 3/8/2012 SS-5A (0-2)030812 0-2 460373881	SS-11 2/28/2012 SS-11 (0-2)022812 0-2 460373431	SS-12 2/28/2012 SS-12 (0-2)022812 0-2 460373431	SS-14 2/27/2012 SS-14 (0-2)022712 0-2 460373431
Other Semi Volatile Organic Compounds (SVOC) (mg/Kg)									
1,2,4-Trichlorobenzene	120-82-1	NL	NL	NL	< 0.04 U	< 0.035 U	< 0.037 U	< 0.039 U	< 0.04 U
1,2-Dichlorobenzene	95-50-1	1.1	100	500	< 0.4 U	< 0.35 U	< 0.37 U	< 0.39 U	< 0.4 U
1,3-Dichlorobenzene	541-73-1	2.4	49	280	< 0.4 U	< 0.35 U	< 0.37 U	< 0.39 U	< 0.4 U
1,4-Dichlorobenzene	106-46-7	1.8	13	130	< 0.4 U	< 0.35 U	< 0.37 U	< 0.39 U	< 0.4 U
2,2'-oxybis(1-Chloropropane)	108-60-1	NL	NL	NL	< 0.4 U	< 0.35 U	< 0.37 U	< 0.39 U	< 0.4 U
2,4,5-Trichlorophenol	95-95-4	NL	NL	NL	< 0.4 U	< 0.35 U	< 0.37 U	< 0.39 U	< 0.4 U
2,4,6-Trichlorophenol	88-06-2	NL	NL	NL	< 0.4 U	< 0.35 U	< 0.37 U	< 0.39 U	< 0.4 U
2,4-Dichlorophenol	120-83-2	NL	NL	NL	< 0.4 U	< 0.35 U	< 0.37 U	< 0.39 U	< 0.4 U
2,4-Dimethylphenol	105-67-9	NL	NL	NL	< 0.4 U	< 0.35 U	< 0.37 U	< 0.39 U	< 0.4 U
2,4-Dinitrophenol	51-28-5	NL	NL	NL	< 1.2 U	< 1.1 U	< 1.1 U	< 1.2 U	< 1.2 U
2,4-Dinitrotoluene	121-14-2	NL	NL	NL	< 0.081 U	< 0.072 U	< 0.076 U	< 0.079 U	< 0.081 U
2,6-Dinitrotoluene	606-20-2	NL	NL	NL	< 0.081 U	< 0.072 U	< 0.076 U	< 0.079 U	< 0.081 U
2-Chloronaphthalene	91-58-7	NL	NL	NL	< 0.4 U	< 0.35 U	< 0.37 U	< 0.39 U	< 0.4 U
2-Chlorophenol	95-57-8	NL	NL	NL	< 0.4 U	< 0.35 U	< 0.37 U	< 0.39 U	< 0.4 U
2-Methylphenol	95-48-7	0.33	100	500	< 0.4 U	< 0.35 U	< 0.37 U	< 0.39 U	< 0.4 U
2-Nitroaniline	88-74-4	NL	NL	NL	< 0.81 U	< 0.72 U	< 0.76 U	< 0.79 U	< 0.81 U
2-Nitrophenol	88-75-5	NL	NL	NL	< 0.4 U	< 0.35 U	< 0.37 U	< 0.39 U	< 0.4 U
3,3'-Dichlorobenzidine	91-94-1	NL	NL	NL	< 0.81 U	< 0.72 U	< 0.76 UJ	< 0.79 UJ	< 0.81 UJ
3-Nitroaniline	99-09-2	NL	NL	NL	< 0.81 U	< 0.72 U	< 0.76 U	< 0.79 U	< 0.81 U
4,6-Dinitro-2-methylphenol	534-52-1	NL	NL	NL	< 1.2 U	< 1.1 U	< 1.1 U	< 1.2 U	< 1.2 U
4-Bromophenyl phenyl ether	101-55-3	NL	NL	NL	< 0.4 U	< 0.35 U	< 0.37 U	< 0.39 U	< 0.4 U
4-Chloro-3-methylphenol	59-50-7	NL	NL	NL	< 0.4 U	< 0.35 U	< 0.37 U	< 0.39 U	< 0.4 U
4-Chloroaniline	106-47-8	NL	NL	NL	< 0.4 U	< 0.35 U	< 0.37 U	< 0.39 U	< 0.4 U
4-Chlorophenyl phenyl ether	7005-72-3	NL	NL	NL	< 0.4 U	< 0.35 U	< 0.37 U	< 0.39 U	< 0.4 U
4-Methylphenol	106-44-5	0.33	100	500	< 0.4 U	< 0.35 U	< 0.37 U	< 0.39 U	< 0.4 U
4-Nitroaniline	100-01-6	NL	NL	NL	< 0.81 U	< 0.72 U	< 0.76 U	< 0.79 U	< 0.81 U
4-Nitrophenol	100-02-7	NL	NL	NL	< 1.2 U	< 1.1 U	< 1.1 U	< 1.2 U	< 1.2 U
bis(2-Chloroethoxy)methane	111-91-1	NL	NL	NL	< 0.4 U	< 0.35 U	< 0.37 U	< 0.39 U	< 0.4 U
bis(2-Chloroethyl) ether	111-44-4	NL	NL	NL	< 0.04 U	< 0.035 U	< 0.037 U	< 0.039 U	< 0.04 U
bis(2-Ethylhexyl) phthalate	117-81-7	NL	NL	NL	0.29 J	< 0.35 U	0.3 J	0.27 J	0.27 J
Butyl benzyl phthalate	85-68-7	NL	NL	NL	< 0.4 U	< 0.35 U	< 0.37 U	< 0.39 U	< 0.4 U
Carbazole	86-74-8	NL	NL	NL	0.073 J	< 0.35 U	0.15 J	0.18 J	< 0.4 U
Dibenzofuran	132-64-9	7	59	500	< 0.4 U	< 0.35 U	< 0.37 U	< 0.39 U	< 0.4 U
Diethyl phthalate	84-66-2	NL	NL	NL	< 0.4 U	< 0.35 U	< 0.37 U	< 0.39 U	< 0.4 U
Dimethyl phthalate	131-11-3	NL	NL	NL	< 0.4 U	< 0.35 U	< 0.37 U	< 0.39 U	< 0.4 U
Di-n-butyl phthalate	84-74-2	NL	NL	NL	< 0.4 U	< 0.35 U	< 0.37 U	< 0.39 U	< 0.4 U
Di-n-octyl phthalate	117-84-0	NL	NL	NL	< 0.4 U	< 0.35 U	< 0.37 U	< 0.39 U	< 0.4 U
Hexachlorobenzene	118-74-1	0.33	1.2	6	< 0.04 U	< 0.035 U	< 0.037 U	< 0.039 U	< 0.04 U
Hexachlorobutadiene	87-68-3	NL	NL	NL	< 0.081 U	< 0.072 U	< 0.076 U	< 0.079 U	< 0.081 U
Hexachlorocyclopentadiene	77-47-4	NL	NL	NL	< 0.4 U	< 0.35 U	< 0.37 U	< 0.39 U	< 0.4 U
Hexachloroethane	67-72-1	NL	NL	NL	< 0.04 U	< 0.035 U	< 0.037 U	< 0.039 U	< 0.04 U
Isophorone	78-59-1	NL	NL	NL	< 0.4 U	< 0.35 U	< 0.37 U	< 0.39 U	< 0.4 U
Nitrobenzene	98-95-3	NL	NL	69	< 0.04 U	< 0.035 U	< 0.037 U	< 0.039 U	< 0.04 U
N-Nitrosodi-n-propylamine	621-64-7	NL	NL	NL	< 0.04 U	< 0.035 U	< 0.037 U	< 0.039 U	< 0.04 U
N-Nitrosodiphenylamine	86-30-6	NL	NL	NL	< 0.4 U	< 0.35 U	< 0.37 U	< 0.39 U	< 0.4 U
Pentachlorophenol	87-86-5	0.8	6.7	6.7	< 1.2 U	< 1.1 U	< 1.1 U	< 1.2 U	< 1.2 U
Phenol	108-95-2	0.33	100	500	< 0.4 U	< 0.35 U	< 0.37 U	< 0.39 U	< 0.4 U
Total SVOCs					5.216	4.505	10.35	12.736	6.893

Notes:
Exceedance of the NYSDEC Part 375-6.8(b) Unrestricted Use Soil Cleanup Objective value.
Exceedance of the NYSDEC Part 375-6.8(b) Restricted Residential Use Soil Cleanup Objective value.
Exceedance of the NYSDEC Part 375-6.8(b) Commercial Use Soil Cleanup Objective value.

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Table 1
Summary of Surface Soil Analytical Data Surface Soil
Jamaica Gas & Light Former MGP Site
Queens, New York

Sample Location Sample Date Sample ID Sample Interval (feet) SDG	CAS #	NYSDEC Part 375-6 Unrestricted Use	NYSDEC Part 375-6 Restricted Residential Use	NYSDEC Part 375-6 Commercial Use	SS-05 2/29/2012 SS-5 (0-2)022912 0-2 460373881	SS-05A 3/8/2012 SS-5A (0-2)030812 0-2 460373881	SS-11 2/28/2012 SS-11 (0-2)022812 0-2 460373431	SS-12 2/28/2012 SS-12 (0-2)022812 0-2 460373431	SS-14 2/27/2012 SS-14 (0-2)022712 0-2 460373431
Inorganic Compounds (mg/Kg)									
Aluminum	7429-90-5	NL	NL	NL	3430	3580	5120	5750	5670
Antimony	7440-36-0	NL	NL	NL	1.8 J	10.5	1.8 J	< 2.2 UJ	< 2.3 UJ
Arsenic	7440-38-2	13	16	16	2.9	4.4	7.2	8.1	6
Barium	7440-39-3	350	400	400	45 J	52.4	68.7	88.4	83.8
Beryllium	7440-41-7	7.2	72	590	< 0.46 U	0.14 J	0.19 J	< 0.44 U	0.23 J
Cadmium	7440-43-9	2.5	4.3	9.3	0.51 J	0.76 J	0.78 J	0.88 J	0.37 J
Calcium	7440-70-2	NL	NL	NL	21500	12200	10500	9820	16300
Chromium	7440-47-3	30	180	1500	14.9	22.9 J	59.6	29.5	16.4
Cobalt	7440-48-4	NL	NL	NL	6.5 J	5.3 J	6.7 J	7.9 J	6.1 J
Copper	7440-50-8	50	270	270	74.9	81.2	95	126	50.3
Iron	7439-89-6	NL	NL	NL	25500	29800	33100	38800	18800
Lead	7439-92-1	63	400	1000	83.8	111	280 J	211 J	137 J
Magnesium	7439-95-4	NL	NL	NL	7260	4180	4220 J	3960 J	8200 J
Manganese	7439-96-5	1600	2000	10000	212	292 J	338 J	338 J	291 J
Mercury	7439-97-6	0.18	0.81	2.8	0.12	0.23 J+	0.26	0.34	0.37
Nickel	7440-02-0	30	310	310	13.2	16.8	21.4	24.8	12.3
Potassium	7440-09-7	NL	NL	NL	617 J	467 J	480 J	584 J	644 J
Selenium	7782-49-2	3.9	180	1500	< 2.3 U	1.5 J	< 2.2 U	< 2.2 U	< 2.3 U
Silver	7440-22-4	2	180	1500	< 2.3 U	< 2 U	< 2.2 U	< 2.2 U	< 2.3 U
Sodium	7440-23-5	NL	NL	NL	< 1150 U	< 983 U	< 1120 U	< 1100 U	< 1160 U
Thallium	7440-28-0	NL	NL	NL	< 2.3 U	< 2 U	< 2.2 U	< 2.2 U	< 2.3 U
Vanadium	7440-62-2	NL	NL	NL	50.3	21.8	28.7	31.1	30.9
Zinc	7440-66-6	109	10000	10000	119	128	186	249	149
Cyanide (mg/Kg)									
Available cyanide	57-12-5-A	NL	NL	NL	0.073	< 0.043 U	< 0.045 U	0.024 J	0.22

Notes:
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Table 1
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Jamaica Gas & Light Former MGP Site
Queens, New York



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PCBs (mg/Kg)									
Aroclor 1016	12674-11-2	NL	NL	NL	< 0.081 U	< 0.072 U	< 0.076 U	< 0.079 U	< 0.081 U
Aroclor 1221	11104-28-2	NL	NL	NL	< 0.081 U	< 0.072 U	< 0.076 U	< 0.079 U	< 0.081 U
Aroclor 1232	11141-16-5	NL	NL	NL	< 0.081 U	< 0.072 U	< 0.076 U	< 0.079 U	< 0.081 U
Aroclor 1242	53469-21-9	NL	NL	NL	< 0.081 U	< 0.072 U	< 0.076 U	< 0.079 U	< 0.081 U
Aroclor 1248	12672-29-6	NL	NL	NL	< 0.081 U	< 0.072 U	< 0.076 U	< 0.079 U	< 0.081 U
Aroclor 1254	11097-69-1	NL	NL	NL	< 0.081 U	< 0.072 U	< 0.076 U	< 0.079 U	< 0.081 U
Aroclor 1260	11096-82-5	NL	NL	NL	< 0.081 U	< 0.072 U	< 0.076 U	< 0.079 U	< 0.081 U
Aroclor 1262	37324-23-5	NL	NL	NL	< 0.081 U	< 0.072 U	< 0.076 U	< 0.079 U	< 0.081 U
Aroclor 1268	11100-14-4	NL	NL	NL	< 0.081 U	< 0.072 U	< 0.076 U	< 0.079 U	< 0.081 U
Total PCBs		0.1	1	1	ND	ND	ND	ND	ND
Pesticides (mg/Kg)									
Aldrin	309-00-2	0.005	0.097	0.68	< 0.0081 U	< 0.0072 U	< 0.0076 U	< 0.0079 U	< 0.0081 U
Alpha-BHC	319-84-6	0.02	0.48	3.4	< 0.0081 U	< 0.0072 U	< 0.0076 U	< 0.0079 U	< 0.0081 U
Beta-BHC	319-85-7	0.036	0.36	3	< 0.0081 U	< 0.0072 U	< 0.0076 U	< 0.0079 U	< 0.0081 U
Chlordane	57-74-9	NL	NL	NL	< 0.081 U	0.038 J	< 0.076 U	< 0.079 U	< 0.081 U
DDD,4,4-	72-54-8	0.0033	13	92	< 0.0081 U	0.0061 J	< 0.0076 U	< 0.0079 U	< 0.0081 U
DDE,4,4-	72-55-9	0.0033	8.9	62	< 0.0081 U	< 0.0072 U	< 0.0076 U	< 0.0079 U	< 0.0081 U
DDT,4,4-	50-29-3	0.0033	7.9	47	< 0.0081 UJ	0.014	< 0.0076 U	< 0.0079 U	0.0089
Delta-BHC	319-86-8	0.04	100	500	< 0.0081 U	< 0.0072 U	< 0.0076 U	< 0.0079 U	< 0.0081 U
Dieldrin	60-57-1	0.005	0.2	1.4	< 0.0081 U	< 0.0072 U	< 0.0076 U	< 0.0079 U	< 0.0081 U
Endosulfan I	959-98-8	2.4	24	200	< 0.0081 U	< 0.0072 U	< 0.0076 U	< 0.0079 U	< 0.0081 U
Endosulfan II	33213-65-9	2.4	24	200	< 0.0081 U	< 0.0072 U	< 0.0076 U	< 0.0079 U	< 0.0081 U
Endosulfan sulfate	1031-07-8	2.4	24	200	< 0.0081 U	< 0.0072 U	< 0.0076 U	< 0.0079 U	< 0.0081 U
Endrin	72-20-8	0.014	11	89	< 0.0081 U	< 0.0072 U	< 0.0076 U	< 0.0079 U	< 0.0081 U
Endrin aldehyde	7421-93-4	NL	NL	NL	< 0.0081 U	< 0.0072 U	< 0.0076 U	< 0.0079 U	< 0.0081 U
Endrin ketone	53494-70-5	NL	NL	NL	< 0.0081 U	< 0.0072 U	< 0.0076 U	< 0.0079 U	< 0.0081 U
Gamma BHC - Lindane	58-89-9	0.1	1.3	9.2	< 0.0081 U	< 0.0072 U	< 0.0076 U	< 0.0079 U	< 0.0081 U
Heptachlor	76-44-8	0.042	2.1	15	< 0.0081 U	< 0.0072 U	< 0.0076 U	< 0.0079 U	< 0.0081 U
Heptachlor Epoxide	1024-57-3	NL	NL	NL	< 0.0081 U	< 0.0072 U	< 0.0076 U	< 0.0079 U	< 0.0081 U
Methoxychlor	72-43-5	NL	NL	NL	< 0.0081 UJ	< 0.0072 U	< 0.0076 U	< 0.0079 U	< 0.0081 U
Toxaphene	8001-35-2	NL	NL	NL	< 0.081 U	< 0.072 U	< 0.076 U	< 0.079 U	< 0.081 U
Herbicides (mg/Kg)									
2,4,5-TP (Silvex)	93-72-1	3.8	100	500	< 0.021 U	< 0.018 U	< 0.019 U	< 0.02 U	< 0.021 U
2,4-D	94-75-7	NL	NL	NL	< 0.021 U	< 0.018 U	< 0.019 U	< 0.02 U	< 0.021 U
T,2,4,5-	93-76-5	NL	NL	NL	< 0.021 U	< 0.018 U	< 0.019 U	< 0.02 U	< 0.021 U

Notes:
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Table 2
Summary of Analytical Results for Subsurface Soil Samples
Jamaica Gas & Light Former MGP Site
Queens, New York

Sample Location Sample Date Sample ID Sample Interval (feet) SDG	CAS #	NYSDEC Part 375-6 Unrestricted Use	NYSDEC Part 375-6 Restricted Residential Use	NYSDEC Part 375-6 Commercial Use	SB-01 3/5/2012 SB-1 (2.5-5)030512 2.5-5 460376061	SB-01 3/5/2012 SB-1(17-19)030512 17-19 460376061	SB-01 3/5/2012 SB-1 (37.5-40)030512 37.5-40 460376061	SB-02 3/6/2012 SB-2 (0-2.5)030612 0-2.5 460376061	SB-02 3/6/2012 SB-2 (17.5-20)030612 17.5-20 460376061	SB-02 3/6/2012 SB-2 (37.5-40)030612 37.5-40 460376061	SB-03 2/27/2012 SB-3 (2.5-5)022712 2.5-5 460373431	SB-03 2/27/2012 SB-3 (5-10)022712 5-10 460373881	SB-03 2/27/2012 SB-3 (10-11.75)022712 10-11.75 460373431	SB-04 2/27/2012 SB-4 (3-5)022712 3-5 460373431	SB-04 2/27/2012 SB-4 (5-8.5)022712 5-8.5 460373881	SB-04 2/27/2012 SB-4 (8.5-10)022712 8.5-10 460373881	SB-04 2/27/2012 SB-4 (10-13)022712 10-13 460373431
BTEX (mg/kg)																	
Benzene	71-43-2	0.06	4.8	44	0.00041 J	< 0.001 U	0.00024 J	0.00015 J	< 0.00096 U	0.00027 J	0.0003 J	0.00018 J	0.0093	< 0.0011 U	0.00026 J	< 0.12 U	0.00081 J
Ethylbenzene	100-41-4	1	41	390	0.00087 J	< 0.001 U	< 0.0011 U	< 0.00097 U	< 0.00096 U	< 0.0013 U	0.00025 J	< 0.0012 U	0.02	0.00031 J	< 0.0012 U	0.017 J	0.0034
Toluene	108-88-3	0.7	100	500	0.0013	0.00026 J	0.00075 J	0.00051 J	0.00033 J	0.00095 J	0.0013	0.00045 J	0.011	0.00066 J	0.0007 J	0.026 J	0.0016
Xylenes (total)	1330-20-7	0.26	100	500	0.0045	< 0.003 U	< 0.0033 U	< 0.0029 U	< 0.0029 U	< 0.0039 U	0.0014 J	0.00094 J	0.013	0.0019 J	0.0013 J	< 0.35 U	0.0053
Total BTEX					0.00708	0.00026	0.00099	0.00066	0.00033	0.00122	0.00325	0.00157	0.0533	0.00287	0.00226	0.043	0.0111
Volatile Organic Compounds (VOCs)(mg/Kg)																	
1,1,1-Trichloroethane	71-55-6	0.68	100	500	< 0.001 U	< 0.001 U	< 0.0011 U	< 0.00097 U	< 0.00096 U	< 0.0013 U	< 0.0011 U	< 0.0012 U	< 0.001 U	< 0.0011 U	< 0.0012 U	< 0.12 U	< 0.0012 U
1,1,2,2-Tetrachloroethane	79-34-5	NL	NL	NL	< 0.001 U	< 0.001 U	< 0.0011 U	< 0.00097 U	< 0.00096 U	< 0.0013 U	< 0.0011 U	< 0.0012 U	< 0.001 U	< 0.0011 U	< 0.0012 U	< 0.12 U	< 0.0012 U
1,1,2-Trichloroethane	79-00-5	NL	NL	NL	< 0.001 U	< 0.001 U	< 0.0011 U	< 0.00097 U	< 0.00096 U	< 0.0013 U	< 0.0011 U	< 0.0012 U	< 0.001 U	< 0.0011 U	< 0.0012 U	< 0.12 U	< 0.0012 U
1,1-Dichloroethane	75-34-3	0.27	26	240	< 0.001 U	< 0.001 U	< 0.0011 U	< 0.00097 U	< 0.00096 U	< 0.0013 U	< 0.0011 U	< 0.0012 U	< 0.001 U	< 0.0011 U	< 0.0012 U	< 0.12 U	< 0.0012 U
1,1-Dichloroethene	75-35-4	0.33	100	500	< 0.001 U	< 0.001 U	< 0.0011 U	< 0.00097 U	< 0.00096 U	< 0.0013 U	< 0.0011 U	< 0.0012 U	< 0.001 U	< 0.0011 U	< 0.0012 U	< 0.12 U	< 0.0012 U
1,2-Dichloroethane	107-06-2	0.02	3.1	30	< 0.001 U	< 0.001 U	< 0.0011 U	< 0.00097 U	< 0.00096 U	< 0.0013 U	< 0.0011 U	< 0.0012 U	< 0.001 U	< 0.0011 U	< 0.0012 U	< 0.12 U	< 0.0012 U
1,2-Dichloropropane	78-87-5	NL	NL	NL	< 0.001 U	< 0.001 U	< 0.0011 U	< 0.00097 U	< 0.00096 U	< 0.0013 U	< 0.0011 U	< 0.0012 U	< 0.001 U	< 0.0011 U	< 0.0012 U	< 0.12 U	< 0.0012 U
2-Butanone	78-93-3	0.12	100	500	R	R	R	R	R	R	0.0096 J	0.0045 J	0.0035 J	R	0.014 J	R	0.0099 J
2-Hexanone	591-78-6	NL	NL	NL	< 0.01 UJ	< 0.01 UJ	< 0.011 UJ	< 0.0097 UJ	< 0.0096 UJ	< 0.013 UJ	< 0.011 U	< 0.012 U	< 0.01 U	< 0.011 U	< 0.012 U	< 0.58 U	< 0.012 U
4-Methyl-2-pentanone	108-10-1	NL	NL	NL	< 0.01 U	< 0.01 U	< 0.011 U	< 0.0097 U	< 0.0096 U	< 0.013 U	< 0.011 U	< 0.012 U	< 0.01 U	< 0.011 U	< 0.012 U	< 0.58 U	< 0.012 U
Acetone	67-64-1	0.05	100	500	< 0.01 U	< 0.01 U	< 0.02 U	< 0.0097 U	< 0.013 U	< 0.013 U	0.049 J	< 0.022 U	0.025 J	< 0.011 U	0.09	< 0.58 U	0.056 J
Bromodichloromethane	75-27-4	NL	NL	NL	< 0.001 U	< 0.001 U	< 0.0011 U	< 0.00097 U	< 0.00096 U	< 0.0013 U	< 0.0011 U	< 0.0012 U	< 0.001 U	< 0.0011 U	< 0.0012 U	< 0.12 U	< 0.0012 U
Bromoform	75-25-2	NL	NL	NL	< 0.001 U	< 0.001 U	< 0.0011 U	< 0.00097 U	< 0.00096 U	< 0.0013 U	< 0.0011 U	< 0.0012 U	< 0.001 U	< 0.0011 U	< 0.0012 U	< 0.12 U	< 0.0012 U
Bromomethane	74-83-9	NL	NL	NL	< 0.001 U	< 0.001 U	< 0.0011 U	< 0.00097 U	< 0.00096 U	< 0.0013 U	< 0.0011 UJ	< 0.0012 U	< 0.001 UJ	< 0.0011 U	< 0.0012 U	< 0.12 UJ	< 0.0012 UJ
Carbon disulfide	75-15-0	NL	NL	NL	< 0.001 U	< 0.001 U	< 0.0011 U	< 0.00097 U	< 0.00096 U	< 0.0013 U	0.00053 J	0.0019	0.003	< 0.0011 U	0.00067 J	< 0.12 U	0.00066 J
Carbon tetrachloride	56-23-5	0.76	2.4	22	< 0.001 U	< 0.001 U	< 0.0011 U	< 0.00097 U	< 0.00096 U	< 0.0013 U	< 0.0011 U	< 0.0012 U	< 0.001 U	< 0.0011 U	< 0.0012 U	< 0.12 U	< 0.0012 U
Chlorobenzene	108-90-7	1.1	100	500	< 0.001 U	< 0.001 U	< 0.0011 U	< 0.00097 U	< 0.00096 U	< 0.0013 U	< 0.0011 U	< 0.0012 U	< 0.001 U	< 0.0011 U	< 0.0012 U	< 0.12 U	< 0.0012 U
Chloroethane	75-00-3	NL	NL	NL	< 0.001 U	< 0.001 U	< 0.0011 U	< 0.00097 U	< 0.00096 U	< 0.0013 U	< 0.0011 UJ	< 0.0012 U	< 0.001 UJ	< 0.0011 U	< 0.0012 U	< 0.12 U	< 0.0012 UJ
Chloroform	67-66-3	0.37	49	350	< 0.001 U	< 0.001 U	< 0.0011 U	< 0.00097 U	< 0.00096 U	0.00093 J	< 0.0011 U	< 0.0012 U	< 0.001 U	< 0.0011 U	< 0.0012 U	< 0.12 U	< 0.0012 U
Chloromethane	74-87-3	NL	NL	NL	< 0.001 U	< 0.001 U	< 0.0011 U	< 0.00097 U	< 0.00096 U	< 0.0013 U	< 0.0011 U	< 0.0012 U	< 0.001 U	< 0.0011 U	< 0.0012 U	< 0.12 U	< 0.0012 U
cis-1,2-Dichloroethene	156-59-2	0.25	100	500	< 0.001 U	< 0.001 U	< 0.0011 U	< 0.00097 U	< 0.00096 U	< 0.0013 U	< 0.0011 U	< 0.0012 U	< 0.001 U	< 0.0011 U	< 0.0012 U	< 0.12 U	< 0.0012 U
cis-1,3-Dichloropropene	10061-01-5	NL	NL	NL	< 0.001 U	< 0.001 U	< 0.0011 U	< 0.00097 U	< 0.00096 U	< 0.0013 U	< 0.0011 U	< 0.0012 U	< 0.001 U	< 0.0011 U	< 0.0012 U	< 0.12 U	< 0.0012 U
Dibromochloromethane	124-48-1	NL	NL	NL	< 0.001 U	< 0.001 U	< 0.0011 U	< 0.00097 U	< 0.00096 U	< 0.0013 U	< 0.0011 U	< 0.0012 U	< 0.001 U	< 0.0011 U	< 0.0012 U	< 0.12 U	< 0.0012 U
Methylene chloride	75-09-2	0.05	100	500	0.0059	0.0023	0.013	0.0075 B	0.0021 B	0.0051 B	0.0028	0.0061	0.00094 J	< 0.0011 U	0.0058	< 0.12 U	0.0013
Styrene	100-42-5	NL	NL	NL	< 0.001 U	< 0.001 U	< 0.0011 U	< 0.00097 U	< 0.00096 U	< 0.0013 U	< 0.0011 U	< 0.0012 U	0.0013	< 0.0011 U	< 0.0012 U	< 0.12 U	< 0.0012 U
Tetrachloroethene	127-18-4	1.3	19	150	< 0.001 U	< 0.001 U	< 0.0011 U	< 0.00097 U	< 0.00096 U	< 0.0013 U	< 0.0011 U	< 0.0012 U	< 0.001 U	< 0.0011 U	< 0.0012 U	< 0.12 U	< 0.0012 U
trans-1,2-Dichloroethene	156-60-5	0.19	100	500	< 0.001 U	< 0.001 U	< 0.0011 U	< 0.00097 U	< 0.00096 U	< 0.0013 U	< 0.0011 U	< 0.0012 U	< 0.001 U	< 0.0011 U	< 0.0012 U	< 0.12 U	< 0.0012 U
trans-1,3-Dichloropropene	10061-02-6	NL	NL	NL	< 0.001 U	< 0.001 U	< 0.0011 U	< 0.00097 U	< 0.00096 U	< 0.0013 U	< 0.0011 U	< 0.0012 U	< 0.001 U	< 0.0011 U	< 0.0012 U	< 0.12 U	< 0.0012 U
Trichloroethene	79-01-6	0.47	21	200	< 0.001 U	< 0.001 U	< 0.0011 U	< 0.00097 U	< 0.00096 U	< 0.0013 U	< 0.0011 U	< 0.0012 U	< 0.001 U	< 0.0011 U	< 0.0012 U	< 0.12 U	< 0.0012 U
Vinyl chloride	75-01-4	0.02	0.9	13	< 0.001 U	< 0.001 U	< 0.0011 U	< 0.00097 U	< 0.00096 U	< 0.0013 U	< 0.0011 U	< 0.0012 U	< 0.001 U	< 0.0011 U	< 0.0012 U	< 0.12 U	< 0.0012 U
Total VOCs					0.01298	0.00256	0.01399	0.00816	0.00243	0.00725	0.06518	0.01407	0.08704	0.00287	0.11273	0.043	0.07897
Polynuclear Aromatic Hydrocarbons (PAHs) (mg/Kg)																	
2-Methylnaphthalene	91-57-6	NL	NL	NL	< 0.36 U	< 0.35 U	< 0.42 U	< 0.72 U	< 0.35 U	< 0.44 U	< 0.37 U	< 0.41 U	0.27 J	< 0.37 U	< 0.41 U	< 0.33 U	< 0.42 U
Acenaphthene	83-32-9	20	100	500	< 0.36 U	< 0.35 U	< 0.42 U	< 0.72 U	< 0.35 U	< 0.44 U	< 0.37 U	< 0.41 U	0.53	< 0.37 U	< 0.41 U	< 0.33 U	< 0.42 U
Acenaphthylene	208-96-8	100	100	500	< 0.36 U	< 0.35 U	< 0.42 U	0.14 J	< 0.35 U	< 0.44 U	< 0.37 U	< 0.41 U	0.091 J	< 0.37 U	< 0.41 U	< 0.33 U	< 0.42 U
Anthracene	120-12-7	100	100	500	0.049 J	< 0.35 U	< 0.42 U	0.18 J	< 0.35 U	< 0.44 U	< 0.37 U	< 0.41 U	1.5	< 0.37 U	0.063 J	< 0.33 U	< 0.42 U
Benzo(a)anthracene	56-55-3	1	1	5.6	0.28	< 0.035 U	< 0.042 U	1.3	< 0.035 U	< 0.044 U	0.15	0.021 J	1.9	0.23	0.33	0.037	0.12
Benzo(a)pyrene	50-32-8	1	1	1	0.33	< 0.035 U	< 0.042 U	1.3	< 0.035 U	< 0.044 U	0.15	< 0.041 U	1.3	0.22	0.29	0.024 J	0.1
Benzo(b)fluoranthene	205-99-2	1	1	5.6	0.36	< 0.035 U	< 0.042 U	1.4	< 0.035 U	< 0.044 U	0.17	< 0.041 U	1.7	0.28	0.32	0.033	0.12
Benzo(ghi)perylene	191-24-2	100	100	500	0.15 J	< 0.35 U	< 0.42 U	0.93	< 0.35 U	< 0.44 U	0.12 J	< 0.41 U	0.87	0.17 J	0.18 J	< 0.33 U	0.077 J
Benzo(k)fluoranthene	207-08-9	0.8	3.9	56	0.14	< 0.035 U	< 0.042 U	0.56	< 0.035 U	< 0.044 U	0.072	< 0.041 U	0.57	0.1	0.14	0.016 J	0.044
Chrysene	218-01-9	1	3.9	56	0.31 J	< 0.35 U	< 0.42 U	1.3	< 0.35 U	< 0.44 U	0.15 J	< 0.41 U	1.9	0.27 J	0.34 J	< 0.33 U	0.13 J
Dibenz(a,h)anthracene	53-70-3	0.33	0.33	0.56	0.042	< 0.035 U	< 0.042 U	0.19	< 0.035 U	< 0.044 U	< 0.037 U	< 0.041 U	0.23	0.042	0.035 J	< 0.033 U	< 0.042 U
Fluoranthene	206-44-0	100	100	500	0.44	< 0.35 U	< 0.42 U	2	< 0.35 U	< 0.44 U	0.23 J	< 0.41 U	3.5	0.36 J	0.54	0.056 J	0.16 J
Fluorene	86-73-7	30	100	500	< 0.36 U	< 0.35 U	< 0.42 U	< 0.72 U	< 0.35 U	< 0.44 U	< 0.37 U	< 0.41 U	1	< 0.37 U	< 0.41 U	< 0.33 U	< 0.42 U
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	0.5	5.6	0.19	< 0.035 U	< 0.042 U	1	< 0.035 U	< 0.044 U	0.11	< 0.041 U	1	0.19	0.2	0.022 J	0.084
Naphthalene	91-20-3	12	100	500	<												

Table 2
Summary of Analytical Results for Subsurface Soil Samples
Jamaica Gas & Light Former MGP Site
Queens, New York

Sample Location Sample Date Sample ID Sample Interval (feet) SDG	CAS #	NYSDEC Part 375-6 Unrestricted Use	NYSDEC Part 375-6 Restricted Residential Use	NYSDEC Part 375-6 Commercial Use	SB-01 3/5/2012 SB-1 (2.5-5)030512 2.5-5 460376061	SB-01 3/5/2012 SB-1(17-19)030512 17-19 460376061	SB-01 3/5/2012 SB-1 (37.5-40)030512 37.5-40 460376061	SB-02 3/6/2012 SB-2 (0-2.5)030612 0-2.5 460376061	SB-02 3/6/2012 SB-2 (17.5-20)030612 17.5-20 460376061	SB-02 3/6/2012 SB-2 (37.5-40)030612 37.5-40 460376061	SB-03 2/27/2012 SB-3 (2.5-5)022712 2.5-5 460373431	SB-03 2/27/2012 SB-3 (5-10)022712 5-10 460373881	SB-03 2/27/2012 SB-3 (10-11.75)022712 10-11.75 460373431	SB-04 2/27/2012 SB-4 (3-5)022712 3-5 460373431	SB-04 2/27/2012 SB-4 (5-8.5)022712 5-8.5 460373881	SB-04 2/27/2012 SB-4 (8.5-10)022712 8.5-10 460373881	SB-04 2/27/2012 SB-4 (10-13)022712 10-13 460373431
Other Semi Volatile Organic Compounds (SVOC) (mg/Kg)																	
1,2,4-Trichlorobenzene	120-82-1	NL	NL	NL	< 0.036 U	< 0.035 U	< 0.042 U	< 0.072 U	< 0.035 U	< 0.044 U	< 0.037 U	< 0.041 U	< 0.038 U	< 0.037 U	< 0.041 U	< 0.033 U	< 0.042 U
1,2-Dichlorobenzene	95-50-1	1.1	100	500	< 0.36 U	< 0.35 U	< 0.42 U	< 0.72 U	< 0.35 U	< 0.44 U	< 0.37 U	< 0.41 U	< 0.38 U	< 0.37 U	< 0.41 U	< 0.33 U	< 0.42 U
1,3-Dichlorobenzene	541-73-1	2.4	49	280	< 0.36 U	< 0.35 U	< 0.42 U	< 0.72 U	< 0.35 U	< 0.44 U	< 0.37 U	< 0.41 U	< 0.38 U	< 0.37 U	< 0.41 U	< 0.33 U	< 0.42 U
1,4-Dichlorobenzene	106-46-7	1.8	13	130	< 0.36 U	< 0.35 U	< 0.42 U	< 0.72 U	< 0.35 U	< 0.44 U	< 0.37 U	< 0.41 U	< 0.38 U	< 0.37 U	< 0.41 U	< 0.33 U	< 0.42 U
2,2'-oxybis(1-Chloropropane)	108-60-1	NL	NL	NL	< 0.36 U	< 0.35 U	< 0.42 U	< 0.72 U	< 0.35 U	< 0.44 U	< 0.37 U	< 0.41 U	< 0.38 U	< 0.37 U	< 0.41 U	< 0.33 U	< 0.42 U
2,4,5-Trichlorophenol	95-95-4	NL	NL	NL	< 0.36 U	< 0.35 U	< 0.42 U	< 0.72 U	< 0.35 U	< 0.44 U	< 0.37 U	< 0.41 U	< 0.38 U	< 0.37 U	< 0.41 U	< 0.33 U	< 0.42 U
2,4,6-Trichlorophenol	88-06-2	NL	NL	NL	< 0.36 U	< 0.35 U	< 0.42 U	< 0.72 U	< 0.35 U	< 0.44 U	< 0.37 U	< 0.41 U	< 0.38 U	< 0.37 U	< 0.41 U	< 0.33 U	< 0.42 U
2,4-Dichlorophenol	120-83-2	NL	NL	NL	< 0.36 U	< 0.35 U	< 0.42 U	< 0.72 U	< 0.35 U	< 0.44 U	< 0.37 U	< 0.41 U	< 0.38 U	< 0.37 U	< 0.41 U	< 0.33 U	< 0.42 U
2,4-Dimethylphenol	105-67-9	NL	NL	NL	< 0.36 U	< 0.35 U	< 0.42 U	< 0.72 U	< 0.35 U	< 0.44 U	< 0.37 U	< 0.41 U	< 0.38 U	< 0.37 U	< 0.41 U	< 0.33 U	< 0.42 U
2,4-Dinitrophenol	51-28-5	NL	NL	NL	< 1.1 U	< 1.1 U	< 1.3 U	< 2.2 U	< 1.1 U	< 1.3 U	< 1.1 U	< 1.2 U	< 1.2 U	< 1.1 U	< 1.2 U	< 1 U	< 1.3 U
2,4-Dinitrotoluene	121-14-2	NL	NL	NL	< 0.073 U	< 0.071 U	< 0.085 U	< 0.15 U	< 0.072 U	< 0.089 U	< 0.075 U	< 0.083 U	< 0.077 U	< 0.075 U	< 0.082 U	< 0.067 U	< 0.085 U
2,6-Dinitrotoluene	606-20-2	NL	NL	NL	< 0.073 U	< 0.071 U	< 0.085 U	< 0.15 U	< 0.072 U	< 0.089 U	< 0.075 U	< 0.083 U	< 0.077 U	< 0.075 U	< 0.082 U	< 0.067 U	< 0.085 U
2-Chloronaphthalene	91-58-7	NL	NL	NL	< 0.36 U	< 0.35 U	< 0.42 U	< 0.72 U	< 0.35 U	< 0.44 U	< 0.37 U	< 0.41 U	< 0.38 U	< 0.37 U	< 0.41 U	< 0.33 U	< 0.42 U
2-Chlorophenol	95-57-8	NL	NL	NL	< 0.36 U	< 0.35 U	< 0.42 U	< 0.72 U	< 0.35 U	< 0.44 U	< 0.37 U	< 0.41 U	< 0.38 U	< 0.37 U	< 0.41 U	< 0.33 U	< 0.42 U
2-Methylphenol	95-48-7	0.33	100	500	< 0.36 U	< 0.35 U	< 0.42 U	< 0.72 U	< 0.35 U	< 0.44 U	< 0.37 U	< 0.41 U	< 0.38 U	< 0.37 U	< 0.41 U	< 0.33 U	< 0.42 U
2-Nitroaniline	88-74-4	NL	NL	NL	< 0.73 U	< 0.71 U	< 0.85 U	< 1.5 U	< 0.72 U	< 0.89 U	< 0.75 U	< 0.83 U	< 0.77 U	< 0.75 U	< 0.82 U	< 0.67 U	< 0.85 U
2-Nitrophenol	88-75-5	NL	NL	NL	< 0.36 U	< 0.35 U	< 0.42 U	< 0.72 U	< 0.35 U	< 0.44 U	< 0.37 U	< 0.41 U	< 0.38 U	< 0.37 U	< 0.41 U	< 0.33 U	< 0.42 U
3,3'-Dichlorobenzidine	91-94-1	NL	NL	NL	< 0.73 U	< 0.71 U	< 0.85 U	< 1.5 U	< 0.72 U	< 0.89 U	< 0.75 U	< 0.83 U	< 0.77 U	< 0.75 U	< 0.82 U	< 0.67 U	< 0.85 U
3-Nitroaniline	99-09-2	NL	NL	NL	< 0.73 U	< 0.71 U	< 0.85 U	< 1.5 U	< 0.72 U	< 0.89 U	< 0.75 U	< 0.83 U	< 0.77 U	< 0.75 U	< 0.82 U	< 0.67 U	< 0.85 U
4,6-Dinitro-2-methylphenol	534-52-1	NL	NL	NL	< 1.1 U	< 1.1 U	< 1.3 U	< 2.2 U	< 1.1 U	< 1.3 U	< 1.1 U	< 1.2 U	< 1.2 U	< 1.1 U	< 1.2 U	< 1 U	< 1.3 U
4-Bromophenyl phenyl ether	101-55-3	NL	NL	NL	< 0.36 U	< 0.35 U	< 0.42 U	< 0.72 U	< 0.35 U	< 0.44 U	< 0.37 U	< 0.41 U	< 0.38 U	< 0.37 U	< 0.41 U	< 0.33 U	< 0.42 U
4-Chloro-3-methylphenol	59-50-7	NL	NL	NL	< 0.36 U	< 0.35 U	< 0.42 U	< 0.72 U	< 0.35 U	< 0.44 U	< 0.37 U	< 0.41 U	< 0.38 U	< 0.37 U	< 0.41 U	< 0.33 U	< 0.42 U
4-Chloroaniline	106-47-8	NL	NL	NL	< 0.36 U	< 0.35 U	< 0.42 U	< 0.72 U	< 0.35 U	< 0.44 U	< 0.37 U	< 0.41 U	< 0.38 U	< 0.37 U	< 0.41 U	< 0.33 U	< 0.42 U
4-Chlorophenyl phenyl ether	7005-72-3	NL	NL	NL	< 0.36 U	< 0.35 U	< 0.42 U	< 0.72 U	< 0.35 U	< 0.44 U	< 0.37 U	< 0.41 U	< 0.38 U	< 0.37 U	< 0.41 U	< 0.33 U	< 0.42 U
4-Methylphenol	106-44-5	0.33	100	500	< 0.36 U	< 0.35 U	< 0.42 U	< 0.72 U	< 0.35 U	< 0.44 U	< 0.37 U	< 0.41 U	< 0.38 U	< 0.37 U	< 0.41 U	1.8	< 0.42 U
4-Nitroaniline	100-01-6	NL	NL	NL	< 0.73 U	< 0.71 U	< 0.85 U	< 1.5 U	< 0.72 U	< 0.89 U	< 0.75 U	< 0.83 U	< 0.77 U	< 0.75 U	< 0.82 U	< 0.67 U	< 0.85 U
4-Nitrophenol	100-02-7	NL	NL	NL	< 1.1 U	< 1.1 U	< 1.3 U	< 2.2 U	< 1.1 U	< 1.3 U	< 1.1 U	< 1.2 U	< 1.2 U	< 1.1 U	< 1.2 U	< 1 U	< 1.3 U
bis(2-Chloroethoxy)methane	111-91-1	NL	NL	NL	< 0.36 U	< 0.35 U	< 0.42 U	< 0.72 U	< 0.35 U	< 0.44 U	< 0.37 U	< 0.41 U	< 0.38 U	< 0.37 U	< 0.41 U	< 0.33 U	< 0.42 U
bis(2-Chloroethyl) ether	111-44-4	NL	NL	NL	< 0.036 U	< 0.035 U	< 0.042 U	< 0.072 U	< 0.035 U	< 0.044 U	< 0.037 U	< 0.041 U	< 0.038 U	< 0.037 U	< 0.041 U	< 0.033 U	< 0.042 U
bis(2-Ethylhexyl) phthalate	117-81-7	NL	NL	NL	0.26 J	< 0.35 U	< 0.42 U	< 0.72 U	< 0.35 U	< 0.44 U	< 0.37 U	< 0.41 U	< 0.38 U	< 0.37 U	< 0.41 U	< 0.33 U	< 0.42 U
Butyl benzyl phthalate	85-68-7	NL	NL	NL	0.11 J	< 0.35 U	< 0.42 U	< 0.72 U	< 0.35 U	< 0.44 U	< 0.37 U	< 0.41 U	< 0.38 U	< 0.37 U	< 0.41 U	< 0.33 U	< 0.42 U
Carbazole	86-74-8	NL	NL	NL	< 0.36 U	< 0.35 U	< 0.42 U	< 0.72 U	< 0.35 U	< 0.44 U	< 0.37 U	< 0.41 U	0.58	< 0.37 U	< 0.41 U	< 0.33 U	< 0.42 U
Dibenzofuran	132-64-9	7	59	500	< 0.36 U	< 0.35 U	< 0.42 U	< 0.72 U	< 0.35 U	< 0.44 U	< 0.37 U	< 0.41 U	0.58	< 0.37 U	< 0.41 U	< 0.33 U	< 0.42 U
Diethyl phthalate	84-66-2	NL	NL	NL	< 0.36 U	< 0.35 U	< 0.42 U	< 0.72 U	< 0.35 U	< 0.44 U	< 0.37 U	< 0.41 U	< 0.38 U	< 0.37 U	< 0.41 U	< 0.33 U	< 0.42 U
Dimethyl phthalate	131-11-3	NL	NL	NL	< 0.36 U	< 0.35 U	< 0.42 U	< 0.72 U	< 0.35 U	< 0.44 U	< 0.37 U	< 0.41 U	< 0.38 U	< 0.37 U	< 0.41 U	< 0.33 U	< 0.42 U
Di-n-butyl phthalate	84-74-2	NL	NL	NL	< 0.36 U	< 0.35 U	< 0.42 U	< 0.72 U	< 0.35 U	< 0.44 U	< 0.37 U	< 0.41 U	< 0.38 U	< 0.37 U	< 0.41 U	< 0.33 U	< 0.42 U
Di-n-octyl phthalate	117-84-0	NL	NL	NL	< 0.36 U	< 0.35 U	< 0.42 U	< 0.72 U	< 0.35 U	< 0.44 U	< 0.37 U	< 0.41 U	< 0.38 U	< 0.37 U	< 0.41 U	< 0.33 U	< 0.42 U
Hexachlorobenzene	118-74-1	0.33	1.2	6	< 0.036 U	< 0.035 U	< 0.042 U	< 0.072 U	< 0.035 U	< 0							

Table 2
Summary of Analytical Results for Subsurface Soil Samples
Jamaica Gas & Light Former MGP Site
Queens, New York

Sample Location Sample Date Sample ID Sample Interval (feet) SDG	CAS #	NYSDEC Part 375-6 Unrestricted Use	NYSDEC Part 375-6 Restricted Residential Use	NYSDEC Part 375-6 Commercial Use	SB-01 3/5/2012 SB-1 (2.5-5)030512 2.5-5 460376061	SB-01 3/5/2012 SB-1(17-19)030512 17-19 460376061	SB-01 3/5/2012 SB-1 (37.5-40)030512 37.5-40 460376061	SB-02 3/6/2012 SB-2 (0-2.5)030612 0-2.5 460376061	SB-02 3/6/2012 SB-2 (17.5-20)030612 17.5-20 460376061	SB-02 3/6/2012 SB-2 (37.5-40)030612 37.5-40 460376061	SB-03 2/27/2012 SB-3 (2.5-5)022712 2.5-5 460373431	SB-03 2/27/2012 SB-3 (5-10)022712 5-10 460373881	SB-03 2/27/2012 SB-3 (10-11.75)022712 10-11.75 460373431	SB-04 2/27/2012 SB-4 (3-5)022712 3-5 460373431	SB-04 2/27/2012 SB-4 (5-8.5)022712 5-8.5 460373881	SB-04 2/27/2012 SB-4 (8.5-10)022712 8.5-10 460373881	SB-04 2/27/2012 SB-4 (10-13)022712 10-13 460373431	
PCBs (mg/Kg)																		
Aroclor 1016	12674-11-2	NL	NL	NL	< 0.073 U	< 0.071 U	< 0.085 U	< 0.073 U	< 0.072 U	< 0.089 U	< 0.075 U	< 0.083 U	< 0.077 U	< 0.075 U	< 0.082 U	< 0.067 U	< 0.085 U	< 0.085 U
Aroclor 1221	11104-28-2	NL	NL	NL	< 0.073 U	< 0.071 U	< 0.085 U	< 0.073 U	< 0.072 U	< 0.089 U	< 0.075 U	< 0.083 U	< 0.077 U	< 0.075 U	< 0.082 U	< 0.067 U	< 0.085 U	< 0.085 U
Aroclor 1232	11141-16-5	NL	NL	NL	< 0.073 U	< 0.071 U	< 0.085 U	< 0.073 U	< 0.072 U	< 0.089 U	< 0.075 U	< 0.083 U	< 0.077 U	< 0.075 U	< 0.082 U	< 0.067 U	< 0.085 U	< 0.085 U
Aroclor 1242	53469-21-9	NL	NL	NL	< 0.073 U	< 0.071 U	< 0.085 U	< 0.073 U	< 0.072 U	< 0.089 U	< 0.075 U	< 0.083 U	< 0.077 U	< 0.075 U	< 0.082 U	< 0.067 U	< 0.085 U	< 0.085 U
Aroclor 1248	12672-29-6	NL	NL	NL	< 0.073 U	< 0.071 U	< 0.085 U	< 0.073 U	< 0.072 U	< 0.089 U	< 0.075 U	< 0.083 U	< 0.077 U	< 0.075 U	< 0.082 U	< 0.067 U	< 0.085 U	< 0.085 U
Aroclor 1254	11097-69-1	NL	NL	NL	< 0.073 U	< 0.071 U	< 0.085 U	< 0.073 U	< 0.072 U	< 0.089 U	< 0.075 U	< 0.083 U	< 0.077 U	< 0.075 U	< 0.082 U	< 0.067 U	< 0.085 U	< 0.085 U
Aroclor 1260	11096-82-5	NL	NL	NL	0.073	< 0.071 U	< 0.085 U	0.029 J	< 0.072 U	< 0.089 U	< 0.075 U	< 0.083 U	< 0.077 U	< 0.075 U	< 0.082 U	0.012 J	< 0.085 U	< 0.085 U
Aroclor 1262	37324-23-5	NL	NL	NL	< 0.073 U	< 0.071 U	< 0.085 U	< 0.073 U	< 0.072 U	< 0.089 U	< 0.075 U	< 0.083 U	< 0.077 U	< 0.075 U	< 0.082 U	< 0.067 U	< 0.085 U	< 0.085 U
Aroclor 1268	11100-14-4	NL	NL	NL	< 0.073 U	< 0.071 U	< 0.085 U	< 0.073 U	< 0.072 U	< 0.089 U	< 0.075 U	< 0.083 U	< 0.077 U	< 0.075 U	< 0.082 U	< 0.067 U	< 0.085 U	< 0.085 U
Total PCBs		0.1	1	1	0.073	ND	ND	0.029	ND	ND	ND	ND	ND	ND	ND	ND	0.012	ND
Pesticides (mg/Kg)																		
Aldrin	309-00-2	0.005	0.097	0.68	< 0.0073 U	< 0.0071 U	< 0.0085 U	< 0.0073 U	< 0.0072 U	< 0.0089 U	< 0.0075 U	< 0.0083 U	< 0.0077 U	< 0.0075 U	< 0.0082 U	< 0.0067 U	< 0.0085 U	< 0.0085 U
Alpha-BHC	319-84-6	0.02	0.48	3.4	< 0.0073 U	< 0.0071 U	< 0.0085 U	< 0.0073 U	< 0.0072 U	< 0.0089 U	< 0.0075 U	< 0.0083 U	< 0.0077 U	< 0.0075 U	< 0.0082 U	< 0.0067 U	< 0.0085 U	< 0.0085 U
Beta-BHC	319-85-7	0.036	0.36	3	< 0.0073 U	< 0.0071 U	< 0.0085 U	< 0.0073 U	< 0.0072 U	< 0.0089 U	< 0.0075 U	< 0.0083 U	< 0.0077 U	< 0.0075 U	< 0.0082 U	< 0.0067 U	< 0.0085 U	< 0.0085 U
Chlordane	57-74-9	NL	NL	NL	< 0.073 U	< 0.071 U	< 0.085 U	< 0.073 U	< 0.072 U	< 0.089 U	< 0.075 U	< 0.083 U	< 0.077 U	< 0.075 U	< 0.082 U	< 0.067 U	< 0.085 U	< 0.085 U
DDD,4,4-	72-54-8	0.0033	13	92	< 0.0073 U	< 0.0071 U	< 0.0085 U	< 0.0073 U	< 0.0072 U	< 0.0089 U	< 0.0075 U	< 0.0083 U	< 0.0077 U	< 0.0075 U	< 0.0082 U	< 0.0067 U	< 0.0085 U	< 0.0085 U
DDE,4,4-	72-55-9	0.0033	8.9	62	< 0.0073 U	< 0.0071 U	< 0.0085 U	< 0.0073 U	< 0.0072 U	< 0.0089 U	< 0.0075 U	< 0.0083 U	< 0.0077 U	< 0.0075 U	< 0.0082 U	< 0.0067 U	< 0.0085 U	< 0.0085 U
DDT,4,4-	50-29-3	0.0033	7.9	47	0.0073	< 0.0071 U	< 0.0085 U	0.0063 J	< 0.0072 U	< 0.0089 U	< 0.0075 U	< 0.0083 UJ	< 0.0077 U	< 0.0075 U	< 0.0082 UJ	< 0.0067 UJ	< 0.0085 U	< 0.0085 U
Delta-BHC	319-86-8	0.04	100	500	< 0.0073 U	< 0.0071 U	< 0.0085 U	< 0.0073 U	< 0.0072 U	< 0.0089 U	< 0.0075 U	< 0.0083 U	< 0.0077 U	< 0.0075 U	< 0.0082 U	< 0.0067 U	< 0.0085 U	< 0.0085 U
Dieldrin	60-57-1	0.005	0.2	1.4	< 0.0073 U	< 0.0071 U	< 0.0085 U	< 0.0073 U	< 0.0072 U	< 0.0089 U	< 0.0075 U	< 0.0083 U	< 0.0077 U	< 0.0075 U	< 0.0082 U	< 0.0067 U	< 0.0085 U	< 0.0085 U
Endosulfan I	959-98-8	2.4	24	200	< 0.0073 U	< 0.0071 U	< 0.0085 U	< 0.0073 U	< 0.0072 U	< 0.0089 U	< 0.0075 U	< 0.0083 U	< 0.0077 U	< 0.0075 U	< 0.0082 U	< 0.0067 U	< 0.0085 U	< 0.0085 U
Endosulfan II	33213-65-9	2.4	24	200	< 0.0073 U	< 0.0071 U	< 0.0085 U	< 0.0073 U	< 0.0072 U	< 0.0089 U	< 0.0075 U	< 0.0083 U	< 0.0077 U	< 0.0075 U	< 0.0082 U	< 0.0067 U	< 0.0085 U	< 0.0085 U
Endosulfan sulfate	1031-07-8	2.4	24	200	< 0.0073 U	< 0.0071 U	< 0.0085 U	< 0.0073 U	< 0.0072 U	< 0.0089 U	< 0.0075 U	< 0.0083 U	< 0.0077 U	< 0.0075 U	< 0.0082 U	< 0.0067 U	< 0.0085 U	< 0.0085 U
Endrin	72-20-8	0.014	11	89	< 0.0073 U	< 0.0071 U	< 0.0085 U	< 0.0073 U	< 0.0072 U	< 0.0089 U	< 0.0075 U	< 0.0083 U	< 0.0077 U	< 0.0075 U	< 0.0082 U	< 0.0067 U	< 0.0085 U	< 0.0085 U
Endrin aldehyde	7421-93-4	NL	NL	NL	< 0.0073 U	< 0.0071 U	< 0.0085 U	< 0.0073 U	< 0.0072 U	< 0.0089 U	< 0.0075 U	< 0.0083 U	< 0.0077 U	< 0.0075 U	< 0.0082 U	< 0.0067 U	< 0.0085 U	< 0.0085 U
Endrin ketone	53494-70-5	NL	NL	NL	< 0.0073 U	< 0.0071 U	< 0.0085 U	< 0.0073 U	< 0.0072 U	< 0.0089 U	< 0.0075 U	< 0.0083 U	< 0.0077 U	< 0.0075 U	< 0.0082 U	< 0.0067 U	< 0.0085 U	< 0.0085 U
Gamma BHC - Lindane	58-89-9	0.1	1.3	9.2	< 0.0073 U	< 0.0071 U	< 0.0085 U	< 0.0073 U	< 0.0072 U	< 0.0089 U	< 0.0075 U	< 0.0083 U	< 0.0077 U	< 0.0075 U	< 0.0082 U	< 0.0067 U	< 0.0085 U	< 0.0085 U
Heptachlor	76-44-8	0.042	2.1	15	< 0.0073 U	< 0.0071 U	< 0.0085 U	< 0.0073 U	< 0.0072 U	< 0.0089 U	< 0.0075 U	< 0.0083 U	< 0.0077 U	< 0.0075 U	< 0.0082 U	< 0.0067 U	< 0.0085 U	< 0.0085 U
Heptachlor Epoxide	1024-57-3	NL	NL	NL	< 0.0073 U	< 0.0071 U	< 0.0085 U	< 0.0073 U	< 0.0072 U	< 0.0089 U	< 0.0075 U	< 0.0083 U	< 0.0077 U	< 0.0075 U	< 0.0082 U	< 0.0067 U	< 0.0085 U	< 0.0085 U
Methoxychlor	72-43-5	NL	NL	NL	< 0.0073 U	< 0.0071 U	< 0.0085 U	< 0.0073 U	< 0.0072 U	< 0.0089 U	< 0.0075 U	< 0.0083 UJ	< 0.0077 U	< 0.0075 U	< 0.0082 UJ	< 0.0067 UJ	< 0.0085 U	< 0.0085 U
Toxaphene	8001-35-2	NL	NL	NL	< 0.073 U	< 0.071 U	< 0.085 U	< 0.073 U	< 0.072 U	< 0.089 U	< 0.075 U	< 0.083 U	< 0.077 U	< 0.075 U	< 0.082 U	< 0.067 U	< 0.085 U	< 0.085 U
Herbicides (mg/Kg)																		
2,4,5-TP (Silvex)	93-72-1	3.8	100	500	< 0.018 U	< 0.018 U	< 0.021 U	< 0.018 U	< 0.018 U	< 0.023 U	< 0.019 U	< 0.021 U	< 0.02 U	< 0.019 U	< 0.021 U	< 0.017 U	< 0.022 U	< 0.022 U
2,4-D	94-75-7	NL	NL	NL	< 0.018 U	< 0.018 U	< 0.021 U	< 0.018 U	< 0.018 U	< 0.023 U	< 0.019 U	< 0.021 U	< 0.02 U	< 0.019 U	< 0.021 U	< 0.017 U	< 0.022 U	< 0.022 U
T,2,4,5-	93-76-5	NL	NL	NL	< 0.018 U	< 0.018 U	< 0.021 U	< 0.018 U	< 0.018 U	< 0.023 U	< 0.019 U	< 0.021 U	< 0.02 U	< 0.019 U	< 0.021 U	< 0.017 U	< 0.022 U	< 0.022 U
Cyanide (mg/Kg)																		
Total Cyanide	57-12-5	27	27	27	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cyanide, Free	57-12-5-FREE	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Available cyanide	57-12-5-A	NL	NL	NL	< 0.043 U	< 0.042 U	< 0.05 U	< 0.043 U	< 0.043 U	< 0.053 U	0.045	< 0.05 U	0.35	0.022 J	0.049	3.4	22.8	

Notes:

Exceedance of the NYSDEC Part 375-6.8(b) Unrestricted Use Soil Cleanup Objective value.

Exceedance of the NYSDEC Part 375-6.8(b) Restricted Residential Use Soil Cleanup Objective value.

Exceedance of the NYSDEC Part 375-6.8(b) Commercial Use Soil Cleanup Objective value.

ND = calculated totals are not detected

NL = Not Listed

mg/Kg = milligram per kilogram

Bold indicates compound was detected

U = Nondetected result. The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet the quality control criteria. The presence of absence of the analyte cannot be verified.

Table 2
Summary of Analytical Results for Subsurface Soil Samples
Jamaica Gas & Light Former MGP Site
Queens, New York

Sample Location Sample Date Sample ID Sample Interval (feet) SDG	CAS #	NYSDEC Part 375-6 Unrestricted Use	NYSDEC Part 375-6 Restricted Residential Use	NYSDEC Part 375-6 Commercial Use	SB-05 3/8/2012 SB-5 (2.5-5)030812 2.5-5 460377821	SB-05 3/9/2012 DUP-3-030912 2.5-5 460377821	SB-05 3/9/2012 SB-5 (22-24)030912 22-24 460377821	SB-05 3/9/2012 SB-5 (37.5-40)030912 37.5-40 460377821	SB-06 2/22/2012 SB-6 (1-3.5)022212 1-3.5 460372091	SB-06 2/22/2012 SB-6 (22-24)022212 22-24 460372091	SB-06 2/22/2012 SB-6 (37.5-40)022212 37.5-40 460372091	SB-06 2/22/2012 DUP-1-022212 37.5-40 460372091	SB-07 2/22/2012 SB-7 (0-2.5)-22212 0-2.5 460372091	SB-07 2/22/2012 SB-7 (21.5-24)022212 21.5-24 460372091	SB-07 2/22/2012 SB-7 (37.5-40)022212 37.5-40 460372091	SB-08 3/1/2012 SB-8 (2.5-5)030112 2.5-5 460375391	SB-08 3/1/2012 SB-8 (15-17)030112 15-17 460375391
BTEX (mg/kg)																	
Benzene	71-43-2	0.06	4.8	44	< 0.00091 U	< 0.00095 U	0.00017 J	< 0.001 U	0.00036 J	< 0.001 U	< 0.001 U	< 0.001 U	0.00043 J	< 0.00098 U	< 0.0011 U	0.0039	0.0079
Ethylbenzene	100-41-4	1	41	390	< 0.00091 U	0.00017 J	0.00017 J	< 0.001 U	< 0.0011 U	< 0.001 U	< 0.001 U	< 0.001 U	0.00046 J	< 0.00098 U	< 0.0011 UJ	0.00057 J	0.0036
Toluene	108-88-3	0.7	100	500	0.00086 J	0.00087 J	0.0013	0.00076 J	0.00074 J	< 0.001 U	< 0.001 U	< 0.001 U	0.0032	< 0.00098 U	< 0.0011 U	0.00029 J	0.0014
Xylenes (total)	1330-20-7	0.26	100	500	< 0.0027 U	< 0.0029 U	< 0.0027 U	< 0.0031 U	< 0.0032 U	< 0.003 U	< 0.0031 U	< 0.003 U	0.0018 J	< 0.0029 U	< 0.0032 UJ	< 0.0036 U	0.0023 J
Total BTEX					0.00086	0.00104	0.00164	0.00076	0.0011	ND	ND	ND	0.00589	ND	ND	0.00476	0.0152
Volatile Organic Compounds (VOCs)(mg/Kg)																	
1,1,1-Trichloroethane	71-55-6	0.68	100	500	< 0.00091 U	< 0.00095 U	< 0.00091 U	< 0.001 U	< 0.0011 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.00098 U	< 0.0011 U	< 0.0012 U	< 0.0011 U
1,1,2,2-Tetrachloroethane	79-34-5	NL	NL	NL	< 0.00091 U	< 0.00095 U	< 0.00091 U	< 0.001 UJ	< 0.0011 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.00098 U	< 0.0011 UJ	< 0.0012 U	< 0.0011 U
1,1,2-Trichloroethane	79-00-5	NL	NL	NL	< 0.00091 U	< 0.00095 U	< 0.00091 U	< 0.001 U	< 0.0011 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.00098 U	< 0.0011 U	< 0.0012 U	< 0.0011 U
1,1-Dichloroethane	75-34-3	0.27	26	240	< 0.00091 U	< 0.00095 U	< 0.00091 U	< 0.001 U	< 0.0011 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.00098 U	< 0.0011 U	< 0.0012 U	< 0.0011 U
1,1-Dichloroethene	75-35-4	0.33	100	500	< 0.00091 U	< 0.00095 U	< 0.00091 U	< 0.001 U	< 0.0011 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.00098 U	< 0.0011 U	< 0.0012 U	< 0.0011 U
1,2-Dichloroethane	107-06-2	0.02	3.1	30	0.0002 J	0.00023 J	0.00029 J	< 0.001 U	< 0.0011 U	< 0.001 U	< 0.001 U	< 0.001 U	0.00019 J	< 0.00098 U	< 0.0011 U	< 0.0012 U	< 0.0011 U
1,2-Dichloropropane	78-87-5	NL	NL	NL	< 0.00091 U	< 0.00095 U	< 0.00091 U	< 0.001 U	< 0.0011 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.00098 U	< 0.0011 U	< 0.0012 U	< 0.0011 U
2-Butanone	78-93-3	0.12	100	500	R	R	0.0015 J	0.0024 J	R	R	0.0023 J	0.0026 J	R	R	0.0032 J	R	R
2-Hexanone	591-78-6	NL	NL	NL	< 0.0091 U	< 0.0095 U	< 0.0091 U	< 0.01 U	< 0.011 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.0098 U	< 0.011 UJ	< 0.012 UJ	< 0.011 UJ
4-Methyl-2-pentanone	108-10-1	NL	NL	NL	< 0.0091 U	< 0.0095 U	< 0.0091 U	< 0.01 U	< 0.011 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.0098 U	< 0.011 UJ	< 0.012 UJ	< 0.011 UJ
Acetone	67-64-1	0.05	100	500	0.042 J	0.042 J	0.07 J	0.1 J	0.041 J	0.029 J	0.067 J	0.091 J	0.042 J	0.023 J	0.11 J	< 0.012 U	< 0.016 U
Bromodichloromethane	75-27-4	NL	NL	NL	< 0.00091 U	< 0.00095 U	< 0.00091 U	< 0.001 U	< 0.0011 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.00098 U	< 0.0011 UJ	< 0.0012 U	< 0.0011 U
Bromoform	75-25-2	NL	NL	NL	< 0.00091 U	< 0.00095 U	< 0.00091 U	< 0.001 U	< 0.0011 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.00098 U	< 0.0011 U	< 0.0012 U	< 0.0011 U
Bromomethane	74-83-9	NL	NL	NL	< 0.00091 U	< 0.00095 U	< 0.00091 U	< 0.001 U	< 0.0011 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.00098 U	< 0.0011 U	< 0.0012 UJ	< 0.0011 UJ
Carbon disulfide	75-15-0	NL	NL	NL	< 0.00091 U	< 0.00095 U	< 0.00091 U	< 0.001 U	< 0.0011 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.00098 U	< 0.0011 U	< 0.0012 U	0.00066 J
Carbon tetrachloride	56-23-5	0.76	2.4	22	< 0.00091 U	< 0.00095 U	< 0.00091 U	< 0.001 U	< 0.0011 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.00098 U	< 0.0011 U	< 0.0012 UJ	< 0.0011 UJ
Chlorobenzene	108-90-7	1.1	100	500	< 0.00091 U	< 0.00095 U	< 0.00091 U	< 0.001 U	< 0.0011 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.00098 U	< 0.0011 UJ	< 0.0012 U	< 0.0011 U
Chloroethane	75-00-3	NL	NL	NL	< 0.00091 U	< 0.00095 U	< 0.00091 U	< 0.001 U	< 0.0011 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.00098 U	< 0.0011 U	< 0.0012 UJ	< 0.0011 UJ
Chloroform	67-66-3	0.37	49	350	< 0.00091 U	< 0.00095 U	< 0.00091 U	< 0.001 U	< 0.0011 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.00098 U	< 0.0011 U	< 0.0012 U	< 0.0011 U
Chloromethane	74-87-3	NL	NL	NL	< 0.00091 U	< 0.00095 U	< 0.00091 U	< 0.001 U	< 0.0011 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.00098 U	< 0.0011 U	< 0.0012 U	< 0.0011 U
cis-1,2-Dichloroethene	156-59-2	0.25	100	500	< 0.00091 U	< 0.00095 U	0.00013 J	< 0.001 U	< 0.0011 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.00098 U	< 0.0011 U	< 0.0012 U	< 0.0011 U
cis-1,3-Dichloropropene	10061-01-5	NL	NL	NL	< 0.00091 U	< 0.00095 U	< 0.00091 U	< 0.001 U	< 0.0011 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.00098 U	< 0.0011 UJ	< 0.0012 U	< 0.0011 U
Dibromochloromethane	124-48-1	NL	NL	NL	< 0.00091 U	< 0.00095 U	< 0.00091 U	< 0.001 U	< 0.0011 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.00098 U	< 0.0011 U	< 0.0012 U	< 0.0011 U
Methylene chloride	75-09-2	0.05	100	500	0.0083 J	0.0088 J	0.014 J	0.0074 J	0.024	< 0.0038 U	0.0082	0.0067	0.03	< 0.0021 U	0.0058	0.0072	0.0052
Styrene	100-42-5	NL	NL	NL	< 0.00091 U	< 0.00095 U	< 0.00091 U	< 0.001 U	< 0.0011 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.00098 U	< 0.0011 UJ	< 0.0012 U	< 0.0011 U
Tetrachloroethene	127-18-4	1.3	19	150	< 0.00091 U	< 0.00095 U	< 0.00091 U	< 0.001 U	< 0.0011 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.00098 U	< 0.0011 U	< 0.0012 U	< 0.0011 U
trans-1,2-Dichloroethene	156-60-5	0.19	100	500	< 0.00091 U	< 0.00095 U	< 0.00091 U	< 0.001 U	< 0.0011 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.00098 U	< 0.0011 U	< 0.0012 U	< 0.0011 U
trans-1,3-Dichloropropene	10061-02-6	NL	NL	NL	< 0.00091 U	< 0.00095 U	< 0.00091 U	< 0.001 U	< 0.0011 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.00098 U	< 0.0011 U	< 0.0012 U	< 0.0011 U
Trichloroethene	79-01-6	0.47	21	200	< 0.00091 U	< 0.00095 U	< 0.00091 U	< 0.001 U	< 0.0011 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.00098 U	< 0.0011 U	< 0.0012 U	< 0.0011 U
Vinyl chloride	75-01-4	0.02	0.9	13	< 0.00091 U	< 0.00095 U	< 0.00091 U	< 0.001 U	< 0.0011 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.00098 U	< 0.0011 U	< 0.0012 U	< 0.0011 U
Total VOCs					0.05136	0.05207	0.08756	0.11056	0.0661	0.029	0.0775	0.1003	0.07808	0.023	0.119	0.01196	0.02106
Polynuclear Aromatic Hydrocarbons (PAHs) (mg/Kg)																	
2-Methylnaphthalene	91-57-6	NL	NL	NL	< 0.34 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.73 U	< 0.35 U	< 0.36 U	< 0.37 U	0.05 J	< 0.34 U	< 0.36 U	< 0.41 U	0.076 J
Acenaphthene	83-32-9	20	100	500	< 0.34 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.73 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.41 U	0.16 J
Acenaphthylene	208-96-8	100	100	500	< 0.34 U	0.076 J	< 0.34 U	< 0.36 U	0.4 J	< 0.35 U	< 0.36 U	< 0.37 U	0.15 J	< 0.34 U	< 0.36 U	0.048 J	0.12 J
Anthracene	120-12-7	100	100	500	0.13 J	0.16 J	< 0.34 U	< 0.36 U	0.93	< 0.35 U	< 0.36 U	< 0.37 U	0.25 J	< 0.34 U	< 0.36 U	0.14 J	0.3 J
Benzo(a)anthracene	56-55-3	1	1	5.6	0.48	0.67	< 0.034 U	< 0.036 U	6	< 0.035 U	< 0.036 U	< 0.037 U	1.1	< 0.034 U	< 0.036 U	0.76	0.76
Benzo(a)pyrene	50-32-8	1	1	1	0.31	0.37	< 0.034 U	< 0.036 U	6	< 0.035 U	< 0.036 U	< 0.037 U	1	< 0.034 U	< 0.036 U	0.67	0.74
Benzo(b)fluoranthene	205-99-2	1	1	5.6	0.32	0.4	< 0.034 U	< 0.036 U	5.8	< 0.035 U	< 0.036 U	< 0.037 U	1.1	< 0.034 U	< 0.036 U	0.75	0.77
Benzo(ghi)perylene	191-24-2	100	100	500	0.16 J	0.18 J	< 0.34 U	< 0.36 U	3.5	< 0.35 U	< 0.36 U	< 0.37 U	0.44	< 0.34 U	< 0.36 U	0.38 J	0.47
Benzo(k)fluoranthene	207-08-9	0.8	3.9	56	0.13	0.16	< 0.034 U	< 0.036 U	2.8	< 0.035 U	< 0.036 U	< 0.037 U	0.44	< 0.034 U	< 0.036 U	0.31	0.29
Chrysene	218-01-9	1	3.9	56	0.46	0.56	< 0.34 U	< 0.36 U	5.5	< 0.35 U	< 0.36 U	< 0.37 U	1.1	< 0.34 U	< 0.36 U	0.7	0.77
Dibenz(a,h)anthracene	53-70-3	0.33	0.33	0.56	0.063	0.077	< 0.034 U	< 0.036 U	1.3	< 0.035 U	< 0.036 U	< 0.037 U	0.16	< 0.034 U	< 0.036 U	0.084	0.11
Fluoranthene	206-44-0	100	100	500	0.67	0.81	< 0.34 U	< 0.36 U	7.3	< 0.35 U	< 0.36 U	< 0.37 U	2	< 0.34 U	< 0.36 U	1.1	1.4
Fluorene	86-73-7	30	100	500	0.045 J	0.046 J	< 0.34 U	< 0.36 U	0.12 J	< 0.35 U	< 0.36 U	< 0.37 U	0.079 J	< 0.34 U	< 0.36 U	< 0.41 U	0.25 J
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	0.5	5.6	0.19	0.2	< 0.034 U	< 0.036 U	4.1	< 0.035 U	< 0.036 U	< 0.037 U	0.53	< 0.034 U	< 0.036 U	0.48	0.

Table 2
Summary of Analytical Results for Subsurface Soil Samples
Jamaica Gas & Light Former MGP Site
Queens, New York

Sample Location Sample Date Sample ID Sample Interval (feet) SDG	CAS #	NYSDEC Part 375-6 Unrestricted Use	NYSDEC Part 375-6 Restricted Residential Use	NYSDEC Part 375-6 Commercial Use	SB-05 3/8/2012 SB-5 (2.5-5)030812 2.5-5 460377821	SB-05 3/9/2012 DUP-3-030912 2.5-5 460377821	SB-05 3/9/2012 SB-5 (22-24)030912 22-24 460377821	SB-05 3/9/2012 SB-5 (37.5-40)030912 37.5-40 460377821	SB-06 2/22/2012 SB-6 (1-3.5)022212 1-3.5 460372091	SB-06 2/22/2012 SB-6 (22-24)022212 22-24 460372091	SB-06 2/22/2012 SB-6 (37.5-40)022212 37.5-40 460372091	SB-06 2/22/2012 DUP-1-022212 37.5-40 460372091	SB-06 2/22/2012 SB-7 (0-2.5)-22212 0-2.5 460372091	SB-07 2/22/2012 SB-7 (21.5-24)022212 21.5-24 460372091	SB-07 2/22/2012 SB-7 (37.5-40)022212 37.5-40 460372091	SB-08 3/1/2012 SB-8 (2.5-5)030112 2.5-5 460375391	SB-08 3/1/2012 SB-8 (15-17)030112 15-17 460375391
Other Semi Volatile Organic Compounds (SVOC) (mg/Kg)																	
1,2,4-Trichlorobenzene	120-82-1	NL	NL	NL	< 0.034 U	< 0.036 U	< 0.034 U	< 0.036 U	< 0.073 U	< 0.035 U	< 0.036 U	< 0.037 U	< 0.036 U	< 0.034 U	< 0.036 U	< 0.041 U	< 0.038 U
1,2-Dichlorobenzene	95-50-1	1.1	100	500	< 0.34 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.73 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.41 U	< 0.38 U
1,3-Dichlorobenzene	541-73-1	2.4	49	280	< 0.34 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.73 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.41 U	< 0.38 U
1,4-Dichlorobenzene	106-46-7	1.8	13	130	< 0.34 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.73 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.41 U	< 0.38 U
2,2'-oxybis(1-Chloropropane)	108-60-1	NL	NL	NL	< 0.34 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.73 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.41 U	< 0.38 U
2,4,5-Trichlorophenol	95-95-4	NL	NL	NL	< 0.34 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.73 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.41 U	< 0.38 U
2,4,6-Trichlorophenol	88-06-2	NL	NL	NL	< 0.34 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.73 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.41 U	< 0.38 U
2,4-Dichlorophenol	120-83-2	NL	NL	NL	< 0.34 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.73 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.41 U	< 0.38 U
2,4-Dimethylphenol	105-67-9	NL	NL	NL	< 0.34 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.73 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.41 U	< 0.38 U
2,4-Dinitrophenol	51-28-5	NL	NL	NL	< 1 U	< 1.1 U	< 1 U	R	< 2.2 U	< 1 U	< 1.1 U	< 1.1 U	< 1.1 U	R	< 1.1 U	< 1.2 U	< 1.2 U
2,4-Dinitrotoluene	121-14-2	NL	NL	NL	< 0.069 U	< 0.072 U	< 0.069 U	< 0.073 U	< 0.15 U	< 0.07 U	< 0.073 U	< 0.075 U	< 0.074 U	< 0.069 U	< 0.073 U	< 0.082 U	< 0.078 U
2,6-Dinitrotoluene	606-20-2	NL	NL	NL	< 0.069 U	< 0.072 U	< 0.069 U	< 0.073 U	< 0.15 U	< 0.07 U	< 0.073 U	< 0.075 U	< 0.074 U	< 0.069 U	< 0.073 U	< 0.082 U	< 0.078 U
2-Chloronaphthalene	91-58-7	NL	NL	NL	< 0.34 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.73 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.41 U	< 0.38 U
2-Chlorophenol	95-57-8	NL	NL	NL	< 0.34 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.73 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.41 U	< 0.38 U
2-Methylphenol	95-48-7	0.33	100	500	< 0.34 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.73 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.41 U	< 0.38 U
2-Nitroaniline	88-74-4	NL	NL	NL	< 0.69 U	< 0.72 U	< 0.69 U	< 0.73 U	< 1.5 U	< 0.7 U	< 0.73 U	< 0.75 U	< 0.74 U	< 0.69 U	< 0.73 U	< 0.82 U	< 0.78 U
2-Nitrophenol	88-75-5	NL	NL	NL	< 0.34 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.73 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.41 U	< 0.38 U
3,3'-Dichlorobenzidine	91-94-1	NL	NL	NL	< 0.69 U	< 0.72 U	< 0.69 U	< 0.73 U	< 1.5 U	< 0.7 U	< 0.73 U	< 0.75 U	< 0.74 U	< 0.69 U	< 0.73 U	< 0.82 U	< 0.78 U
3-Nitroaniline	99-09-2	NL	NL	NL	< 0.69 U	< 0.72 U	< 0.69 U	< 0.73 U	< 1.5 U	< 0.7 U	< 0.73 U	< 0.75 U	< 0.74 U	< 0.69 U	< 0.73 U	< 0.82 U	< 0.78 U
4,6-Dinitro-2-methylphenol	534-52-1	NL	NL	NL	< 1 U	< 1.1 U	< 1 U	< 1.1 U	< 2.2 U	< 1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1 U	< 1.1 U	< 1.2 U	< 1.2 U
4-Bromophenyl phenyl ether	101-55-3	NL	NL	NL	< 0.34 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.73 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.41 U	< 0.38 U
4-Chloro-3-methylphenol	59-50-7	NL	NL	NL	< 0.34 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.73 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.41 U	< 0.38 U
4-Chloroaniline	106-47-8	NL	NL	NL	< 0.34 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.73 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.41 U	< 0.38 U
4-Chlorophenyl phenyl ether	7005-72-3	NL	NL	NL	< 0.34 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.73 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.41 U	< 0.38 U
4-Methylphenol	106-44-5	0.33	100	500	< 0.34 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.73 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.41 U	< 0.38 U
4-Nitroaniline	100-01-6	NL	NL	NL	< 0.69 U	< 0.72 U	< 0.69 U	< 0.73 U	< 1.5 U	< 0.7 U	< 0.73 U	< 0.75 U	< 0.74 U	< 0.69 U	< 0.73 U	< 0.82 U	< 0.78 U
4-Nitrophenol	100-02-7	NL	NL	NL	< 1 U	< 1.1 U	< 1 U	< 1.1 U	< 2.2 U	< 1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1 U	< 1.1 U	< 1.2 U	< 1.2 U
bis(2-Chloroethoxy)methane	111-91-1	NL	NL	NL	< 0.34 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.73 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.41 U	< 0.38 U
bis(2-Chloroethyl) ether	111-44-4	NL	NL	NL	< 0.034 U	< 0.036 U	< 0.034 U	< 0.036 U	< 0.073 U	< 0.035 U	< 0.036 U	< 0.037 U	< 0.036 U	< 0.034 U	< 0.036 U	< 0.041 U	< 0.038 U
bis(2-Ethylhexyl) phthalate	117-81-7	NL	NL	NL	< 0.34 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.73 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.41 U	< 0.38 U
Butyl benzyl phthalate	85-68-7	NL	NL	NL	< 0.34 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.73 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.41 U	< 0.38 U
Carbazole	86-74-8	NL	NL	NL	< 0.34 U	< 0.36 U	< 0.34 U	< 0.36 U	0.21 J	< 0.35 U	< 0.36 U	< 0.37 U	0.076 J	< 0.34 U	< 0.36 U	< 0.41 U	0.08 J
Dibenzofuran	132-64-9	7	59	500	< 0.34 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.73 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.41 U	0.1 J
Diethyl phthalate	84-66-2	NL	NL	NL	< 0.34 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.73 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.41 U	< 0.38 U
Dimethyl phthalate	131-11-3	NL	NL	NL	< 0.34 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.73 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.41 U	< 0.38 U
Di-n-butyl phthalate	84-74-2	NL	NL	NL	< 0.34 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.73 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.41 U	< 0.38 U
Di-n-octyl phthalate	117-84-0	NL	NL	NL	< 0.34 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.73 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.41 U	< 0.38 U
Hexachlorobenzene	118-74-1	0.33	1.2	6	< 0.034 U	< 0.036 U	< 0.034 U	< 0.036 U	< 0.073 U	< 0.035 U	< 0.036 U	< 0.037 U	< 0.036 U	< 0.034 U	< 0.036 U	< 0.041 U	< 0.038 U
Hexachlorobutadiene	87-68-3	NL	NL	NL	< 0.069 U	< 0.072 U	< 0.069 U	<									

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Queens, New York

Sample Location Sample Date Sample ID Sample Interval (feet) SDG	CAS #	NYSDEC Part 375-6 Unrestricted Use	NYSDEC Part 375-6 Restricted Residential Use	NYSDEC Part 375-6 Commercial Use	SB-05 3/8/2012 SB-5 (2.5-5)030812 2.5-5 460377821	SB-05 3/9/2012 DUP-3-030912 2.5-5 460377821	SB-05 3/9/2012 SB-5 (22-24)030912 22-24 460377821	SB-05 3/9/2012 SB-5 (37.5-40)030912 37.5-40 460377821	SB-06 2/22/2012 SB-6 (1-3.5)022212 1-3.5 460372091	SB-06 2/22/2012 SB-6 (22-24)022212 22-24 460372091	SB-06 2/22/2012 SB-6 (37.5-40)022212 37.5-40 460372091	SB-06 2/22/2012 DUP-1-022212 37.5-40 460372091	SB-07 2/22/2012 SB-7 (0-2.5)-22212 0-2.5 460372091	SB-07 2/22/2012 SB-7 (21.5-24)022212 21.5-24 460372091	SB-07 2/22/2012 SB-7 (37.5-40)022212 37.5-40 460372091	SB-08 3/1/2012 SB-8 (2.5-5)030112 2.5-5 460375391	SB-08 3/1/2012 SB-8 (15-17)030112 15-17 460375391
PCBs (mg/Kg)																	
Aroclor 1016	12674-11-2	NL	NL	NL	< 0.069 U	< 0.072 U	< 0.069 U	< 0.073 U	< 0.074 U	< 0.07 U	< 0.074 U	< 0.075 U	< 0.074 U	< 0.069 U	< 0.073 U	< 0.082 U	< 0.078 U
Aroclor 1221	11104-28-2	NL	NL	NL	< 0.069 U	< 0.072 U	< 0.069 U	< 0.073 U	< 0.074 U	< 0.07 U	< 0.074 U	< 0.075 U	< 0.074 U	< 0.069 U	< 0.073 U	< 0.082 U	< 0.078 U
Aroclor 1232	11141-16-5	NL	NL	NL	< 0.069 U	< 0.072 U	< 0.069 U	< 0.073 U	< 0.074 U	< 0.07 U	< 0.074 U	< 0.075 U	< 0.074 U	< 0.069 U	< 0.073 U	< 0.082 U	< 0.078 U
Aroclor 1242	53469-21-9	NL	NL	NL	< 0.069 U	< 0.072 U	< 0.069 U	< 0.073 U	< 0.074 U	< 0.07 U	< 0.074 U	< 0.075 U	< 0.074 U	< 0.069 U	< 0.073 U	< 0.082 U	< 0.078 U
Aroclor 1248	12672-29-6	NL	NL	NL	< 0.069 U	< 0.072 U	< 0.069 U	< 0.073 U	< 0.074 U	< 0.07 U	< 0.074 U	< 0.075 U	< 0.074 U	< 0.069 U	< 0.073 U	< 0.082 U	< 0.078 U
Aroclor 1254	11097-69-1	NL	NL	NL	< 0.069 U	< 0.072 U	< 0.069 U	< 0.073 U	< 0.074 U	< 0.07 U	< 0.074 U	< 0.075 U	< 0.074 U	< 0.069 U	< 0.073 U	< 0.082 U	< 0.078 U
Aroclor 1260	11096-82-5	NL	NL	NL	< 0.069 U	< 0.072 U	< 0.069 U	< 0.073 U	< 0.074 U	< 0.07 U	< 0.074 U	< 0.075 U	< 0.074 U	< 0.069 U	< 0.073 U	< 0.082 U	< 0.078 U
Aroclor 1262	37324-23-5	NL	NL	NL	< 0.069 U	< 0.072 U	< 0.069 U	< 0.073 U	< 0.074 U	< 0.07 U	< 0.074 U	< 0.075 U	< 0.074 U	< 0.069 U	< 0.073 U	< 0.082 U	< 0.078 U
Aroclor 1268	11100-14-4	NL	NL	NL	< 0.069 U	< 0.072 U	< 0.069 U	< 0.073 U	< 0.074 U	< 0.07 U	< 0.074 U	< 0.075 U	< 0.074 U	< 0.069 U	< 0.073 U	< 0.082 U	< 0.078 U
Total PCBs		0.1	1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pesticides (mg/Kg)																	
Aldrin	309-00-2	0.005	0.097	0.68	< 0.007 U	< 0.0072 U	< 0.0069 U	< 0.0073 U	< 0.0074 U	< 0.007 U	< 0.0074 U	< 0.0075 U	< 0.0074 U	< 0.0069 U	< 0.0073 U	< 0.0082 U	< 0.0078 U
Alpha-BHC	319-84-6	0.02	0.48	3.4	< 0.007 U	< 0.0072 U	< 0.0069 U	< 0.0073 U	< 0.0074 U	< 0.007 U	< 0.0074 U	< 0.0075 U	< 0.0074 U	< 0.0069 U	< 0.0073 U	< 0.0082 U	< 0.0078 U
Beta-BHC	319-85-7	0.036	0.36	3	< 0.007 U	< 0.0072 U	< 0.0069 U	< 0.0073 U	< 0.0074 U	< 0.007 U	< 0.0074 U	< 0.0075 U	< 0.0074 U	< 0.0069 U	< 0.0073 U	< 0.0082 U	< 0.0078 U
Chlordane	57-74-9	NL	NL	NL	< 0.07 U	< 0.072 U	< 0.069 U	< 0.073 U	< 0.074 U	< 0.07 U	< 0.074 U	< 0.075 U	< 0.074 U	< 0.069 U	< 0.073 U	< 0.082 U	< 0.078 U
DDD,4,4-	72-54-8	0.0033	13	92	< 0.007 U	< 0.0072 U	< 0.0069 U	< 0.0073 U	< 0.0074 U	< 0.007 U	< 0.0074 U	< 0.0075 U	< 0.0074 U	< 0.0069 U	< 0.0073 U	< 0.082 U	< 0.078 U
DDE,4,4-	72-55-9	0.0033	8.9	62	< 0.007 U	< 0.0072 U	< 0.0069 U	< 0.0073 U	< 0.0074 U	< 0.007 U	< 0.0074 U	< 0.0075 U	< 0.0074 U	< 0.0069 U	< 0.0073 U	< 0.082 U	< 0.078 U
DDT,4,4-	50-29-3	0.0033	7.9	47	< 0.007 U	< 0.0072 U	< 0.0069 U	< 0.0073 U	< 0.0074 U	< 0.007 U	< 0.0074 U	< 0.0075 U	< 0.0074 U	< 0.0069 U	< 0.0073 U	< 0.082 U	< 0.078 U
Delta-BHC	319-86-8	0.04	100	500	< 0.007 U	< 0.0072 U	< 0.0069 U	< 0.0073 U	< 0.0074 U	< 0.007 U	< 0.0074 U	< 0.0075 U	< 0.0074 U	< 0.0069 U	< 0.0073 U	< 0.082 U	< 0.078 U
Dieldrin	60-57-1	0.005	0.2	1.4	< 0.007 U	< 0.0072 U	< 0.0069 U	< 0.0073 U	< 0.0074 U	< 0.007 U	< 0.0074 U	< 0.0075 U	< 0.0074 U	< 0.0069 U	< 0.0073 U	< 0.082 U	< 0.078 U
Endosulfan I	959-98-8	2.4	24	200	< 0.007 U	< 0.0072 U	< 0.0069 U	< 0.0073 U	< 0.0074 U	< 0.007 U	< 0.0074 U	< 0.0075 U	< 0.0074 U	< 0.0069 U	< 0.0073 U	< 0.082 U	< 0.078 U
Endosulfan II	33213-65-9	2.4	24	200	< 0.007 U	< 0.0072 U	< 0.0069 U	< 0.0073 U	< 0.0074 U	< 0.007 U	< 0.0074 U	< 0.0075 U	< 0.0074 U	< 0.0069 U	< 0.0073 U	< 0.082 U	< 0.078 U
Endosulfan sulfate	1031-07-8	2.4	24	200	< 0.007 U	< 0.0072 U	< 0.0069 U	< 0.0073 U	< 0.0074 U	< 0.007 U	< 0.0074 U	< 0.0075 U	< 0.0074 U	< 0.0069 U	< 0.0073 U	< 0.082 U	< 0.078 U
Endrin	72-20-8	0.014	11	89	< 0.007 U	< 0.0072 U	< 0.0069 U	< 0.0073 U	< 0.0074 U	< 0.007 U	< 0.0074 U	< 0.0075 U	< 0.0074 U	< 0.0069 U	< 0.0073 U	< 0.082 U	< 0.078 U
Endrin aldehyde	7421-93-4	NL	NL	NL	< 0.007 U	< 0.0072 U	< 0.0069 U	< 0.0073 U	< 0.0074 U	< 0.007 U	< 0.0074 U	< 0.0075 U	< 0.0074 U	< 0.0069 U	< 0.0073 U	< 0.082 U	< 0.078 U
Endrin ketone	53494-70-5	NL	NL	NL	< 0.007 U	< 0.0072 U	< 0.0069 U	< 0.0073 U	< 0.0074 U	< 0.007 U	< 0.0074 U	< 0.0075 U	< 0.0074 U	< 0.0069 U	< 0.0073 U	< 0.082 U	< 0.078 U
Gamma BHC - Lindane	58-89-9	0.1	1.3	9.2	< 0.007 U	< 0.0072 U	< 0.0069 U	< 0.0073 U	< 0.0074 U	< 0.007 U	< 0.0074 U	< 0.0075 U	< 0.0074 U	< 0.0069 U	< 0.0073 U	< 0.082 U	< 0.078 U
Heptachlor	76-44-8	0.042	2.1	15	< 0.007 U	< 0.0072 U	< 0.0069 U	< 0.0073 U	< 0.0074 U	< 0.007 U	< 0.0074 U	< 0.0075 U	< 0.0074 U	< 0.0069 U	< 0.0073 U	< 0.082 U	< 0.078 U
Heptachlor Epoxide	1024-57-3	NL	NL	NL	< 0.007 U	< 0.0072 U	< 0.0069 U	< 0.0073 U	< 0.0074 U	< 0.007 U	< 0.0074 U	< 0.0075 U	< 0.0074 U	< 0.0069 U	< 0.0073 U	< 0.082 U	< 0.078 U
Methoxychlor	72-43-5	NL	NL	NL	< 0.007 U	< 0.0072 U	< 0.0069 U	< 0.0073 U	< 0.0074 U	< 0.007 U	< 0.0074 U	< 0.0075 U	< 0.0074 U	< 0.0069 U	< 0.0073 U	< 0.082 U	< 0.078 U
Toxaphene	8001-35-2	NL	NL	NL	< 0.07 U	< 0.072 U	< 0.069 U	< 0.073 U	< 0.074 U	< 0.07 U	< 0.074 U	< 0.075 U	< 0.074 U	< 0.069 U	< 0.073 U	< 0.082 U	< 0.078 U
Herbicides (mg/Kg)																	
2,4,5-TP (Silvex)	93-72-1	3.8	100	500	< 0.018 U	< 0.018 U	< 0.018 U	< 0.019 U	0.00099 J	< 0.0039 U	< 0.0042 U	< 0.0042 U	0.00071 J	0.0017 J	< 0.0041 U	< 0.021 U	< 0.02 U
2,4-D	94-75-7	NL	NL	NL	< 0.018 U	< 0.018 U	< 0.018 U	< 0.019 UJ	< 0.042 U	< 0.039 U	< 0.042 U	0.0099 J	< 0.042 U	0.0077 J	0.036 J	< 0.021 U	< 0.02 U
T,2,4,5-	93-76-5	NL	NL	NL	< 0.018 U	< 0.018 U	< 0.018 U	< 0.019 U	0.002 J	< 0.0097 U	< 0.01 U	0.0017 J	< 0.01 U	< 0.0097 U	0.0098 J	< 0.021 U	< 0.02 U
Cyanide (mg/Kg)																	
Total Cyanide	57-12-5	27	27	27	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cyanide, Free	57-12-5-FREE	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Available cyanide	57-12-5-A	NL	NL	NL	< 0.042 U	< 0.043 U	< 0.041 U	< 0.044 U	< 0.044 U	< 0.042 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.041 U	< 0.044 U	< 0.049 U	< 0.046 U

Notes:

Exceedance of the NYSDEC Part 375-6.8(b) Unrestricted Use Soil Cleanup Objective value.

Exceedance of the NYSDEC Part 375-6.8(b) Restricted Residential Use Soil Cleanup Objective value.

Exceedance of the NYSDEC Part 375-6.8(b) Commercial Use Soil Cleanup Objective value.

ND = calculated totals are not detected

NL = Not Listed

mg/Kg = milligram per kilogram

Bold indicates compound was detected

U = Nondetected result. The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet the quality control criteria. The presence of absence of the analyte cannot be verified.

Table 2
Summary of Analytical Results for Subsurface Soil Samples
Jamaica Gas & Light Former MGP Site
Queens, New York

Sample Location Sample Date Sample ID Sample Interval (feet) SDG	CAS #	NYSDEC Part 375-6 Unrestricted Use	NYSDEC Part 375-6 Restricted Residential Use	NYSDEC Part 375-6 Commercial Use	SB-08 3/1/2012 SB-8 (20-25)030112 20-25 460375391	SB-08 3/1/2012 SB-8 (42.5-45)030112 42.5-45 460375391	SB-09 2/23/2012 SB-9 (2.5-5)022312 2.5-5 460373431	SB-09 2/23/2012 SB-9 (10-13.5)022312 10-13.5 460373431	SB-09 2/23/2012 SB-9 (37.5-40)022312 37.5-40 460373881	SB-10 2/23/2012 SB-10 (1-2.5)022312 1-2.5 460373431	SB-10 2/23/2012 SB-10 (12.5-15)022312 12.5-15 460373431	SB-10 2/23/2012 SB-10 (26-27.5)022312 26-27.5 460373431	SB-10 2/23/2012 SB-10 (37.5-40)022312 37.5-40 460373881	SB-11 2/28/2012 SB-11 (0-2.5)022812 0-2.5 460373431	SB-11 2/28/2012 SB-11 (25-27)022812 25-27 460373431	SB-11 2/28/2012 SB-11 (35-40)022812 35-40 460373431	SB-12 2/28/2012 SB-12 (2.5-5)022812 2.5-5 460373431
BTEX (mg/kg)																	
Benzene	71-43-2	0.06	4.8	44	0.00026 J	0.00029 J	0.0009 J	< 1.1 U	< 0.0011 U	0.00032 J	0.24	0.00038 J	< 0.001 U	< 0.001 U	< 0.0009 U	< 0.001 U	0.00029 J
Ethylbenzene	100-41-4	1	41	390	< 0.001 U	0.00019 J	0.00029 J	4.9	< 0.0011 U	0.00033 J	0.19	< 0.0011 U	< 0.001 U	< 0.001 U	< 0.0009 U	< 0.001 U	< 0.0011 U
Toluene	108-88-3	0.7	100	500	0.00033 J	0.0005 J	0.0012	0.33 J	0.00038 J	0.0014	1.2	0.0018	0.00047 J	0.00014 J	0.00015 J	0.00014 J	0.00068 J
Xylenes (total)	1330-20-7	0.26	100	500	< 0.003 U	< 0.0032 U	0.0023 J	7	< 0.0033 U	0.0055	16	0.024	0.0033	< 0.0031 U	< 0.0027 U	< 0.003 U	< 0.0032 U
Total BTEX					0.00059	0.00098	0.00469	12.23	0.00038	0.00755	17.63	0.02618	0.00377	0.00014	0.00015	0.00014	0.00097
Volatile Organic Compounds (VOCs)(mg/Kg)																	
1,1,1-Trichloroethane	71-55-6	0.68	100	500	< 0.001 U	< 0.0011 U	< 0.001 U	< 1.1 U	< 0.0011 U	< 0.001 U	0.022 J	0.00056 J	< 0.001 U	< 0.001 U	< 0.0009 U	< 0.001 U	0.00015 J
1,1,2,2-Tetrachloroethane	79-34-5	NL	NL	NL	< 0.001 U	< 0.0011 U	< 0.001 U	< 1.1 U	< 0.0011 U	< 0.001 U	< 0.11 U	< 0.0011 U	< 0.001 U	< 0.001 U	< 0.0009 U	< 0.001 U	< 0.0011 U
1,1,2-Trichloroethane	79-00-5	NL	NL	NL	< 0.001 U	< 0.0011 U	< 0.001 U	< 1.1 U	< 0.0011 U	< 0.001 U	< 0.11 U	< 0.0011 U	< 0.001 U	< 0.001 U	< 0.0009 U	< 0.001 U	< 0.0011 U
1,1-Dichloroethane	75-34-3	0.27	26	240	< 0.001 U	< 0.0011 U	< 0.001 U	< 1.1 U	< 0.0011 U	< 0.001 U	< 0.11 U	< 0.0011 U	< 0.001 U	< 0.001 U	< 0.0009 U	< 0.001 U	< 0.0011 U
1,1-Dichloroethene	75-35-4	0.33	100	500	< 0.001 U	< 0.0011 U	< 0.001 U	< 1.1 U	< 0.0011 U	< 0.001 U	< 0.11 U	< 0.0011 U	< 0.001 U	< 0.001 U	< 0.0009 U	< 0.001 U	< 0.0011 U
1,2-Dichloroethane	107-06-2	0.02	3.1	30	< 0.001 U	< 0.0011 U	< 0.001 U	< 1.1 U	< 0.0011 U	< 0.001 U	< 0.11 U	< 0.0011 U	< 0.001 U	< 0.001 U	< 0.0009 U	< 0.001 U	< 0.0011 U
1,2-Dichloropropane	78-87-5	NL	NL	NL	< 0.001 U	< 0.0011 U	< 0.001 U	< 1.1 U	< 0.0011 U	< 0.001 U	< 0.11 U	< 0.0011 U	< 0.001 U	< 0.001 U	< 0.0009 U	< 0.001 U	< 0.0011 U
2-Butanone	78-93-3	0.12	100	500	R	R	R	R	0.0023 J	R	R	0.0025 J	R	R	R	R	R
2-Hexanone	591-78-6	NL	NL	NL	< 0.01 UJ	< 0.011 UJ	< 0.01 U	< 5.3 U	< 0.011 U	< 0.01 U	< 0.55 U	< 0.011 U	< 0.01 U	< 0.01 U	< 0.009 U	< 0.01 U	< 0.011 U
4-Methyl-2-pentanone	108-10-1	NL	NL	NL	< 0.01 UJ	< 0.011 UJ	< 0.01 U	< 5.3 U	< 0.011 U	< 0.01 U	< 0.55 U	< 0.011 U	< 0.01 U	< 0.01 U	< 0.009 U	< 0.01 U	< 0.011 U
Acetone	67-64-1	0.05	100	500	0.025 J	0.034 J	< 0.01 U	R	< 0.028 U	< 0.01 U	R	0.029 J	< 0.016 U	< 0.01 U	< 0.009 U	< 0.01 U	< 0.012 U
Bromodichloromethane	75-27-4	NL	NL	NL	< 0.001 U	< 0.0011 U	< 0.001 U	< 1.1 U	< 0.0011 U	< 0.001 U	< 0.11 U	< 0.0011 U	< 0.001 U	< 0.001 U	< 0.0009 U	< 0.001 U	< 0.0011 U
Bromoform	75-25-2	NL	NL	NL	< 0.001 U	< 0.0011 U	< 0.001 U	< 1.1 U	< 0.0011 U	< 0.001 U	< 0.11 U	< 0.0011 U	< 0.001 U	< 0.001 U	< 0.0009 U	< 0.001 U	< 0.0011 U
Bromomethane	74-83-9	NL	NL	NL	< 0.001 UJ	< 0.0011 UJ	< 0.001 UJ	< 1.1 U	< 0.0011 U	< 0.001 UJ	< 0.11 U	< 0.0011 UJ	< 0.001 U	< 0.001 U	< 0.0009 U	< 0.001 U	< 0.0011 U
Carbon disulfide	75-15-0	NL	NL	NL	< 0.001 U	< 0.0011 U	< 0.001 U	< 1.1 UJ	< 0.0011 U	< 0.001 U	< 0.11 UJ	0.00038 J	< 0.001 U	< 0.001 U	< 0.0009 U	< 0.001 U	< 0.0011 U
Carbon tetrachloride	56-23-5	0.76	2.4	22	< 0.001 UJ	< 0.0011 UJ	< 0.001 U	< 1.1 U	< 0.0011 U	< 0.001 U	< 0.11 U	< 0.0011 U	< 0.001 U	< 0.001 U	< 0.0009 U	< 0.001 U	< 0.0011 U
Chlorobenzene	108-90-7	1.1	100	500	< 0.001 U	< 0.0011 U	< 0.001 U	< 1.1 U	< 0.0011 U	< 0.001 U	< 0.11 U	< 0.0011 U	< 0.001 U	< 0.001 U	< 0.0009 U	< 0.001 U	< 0.0011 U
Chloroethane	75-00-3	NL	NL	NL	< 0.001 UJ	< 0.0011 UJ	< 0.001 UJ	< 1.1 U	< 0.0011 U	< 0.001 UJ	< 0.11 U	< 0.0011 UJ	< 0.001 U	< 0.001 U	< 0.0009 U	< 0.001 U	< 0.0011 U
Chloroform	67-66-3	0.37	49	350	< 0.001 U	< 0.0011 U	< 0.001 U	< 1.1 U	< 0.0011 U	< 0.001 U	< 0.11 U	< 0.0011 U	< 0.001 U	< 0.001 U	< 0.0009 U	< 0.001 U	< 0.0011 U
Chloromethane	74-87-3	NL	NL	NL	< 0.001 U	< 0.0011 U	< 0.001 U	< 1.1 U	< 0.0011 U	< 0.001 U	< 0.11 U	< 0.0011 U	< 0.001 U	< 0.001 U	< 0.0009 U	< 0.001 U	< 0.0011 U
cis-1,2-Dichloroethene	156-59-2	0.25	100	500	< 0.001 U	< 0.0011 U	< 0.001 U	< 1.1 U	< 0.0011 U	< 0.001 U	< 0.11 U	< 0.0011 U	< 0.001 U	< 0.001 U	< 0.0009 U	< 0.001 U	< 0.0011 U
cis-1,3-Dichloropropene	10061-01-5	NL	NL	NL	< 0.001 U	< 0.0011 U	< 0.001 U	< 1.1 U	< 0.0011 U	< 0.001 U	< 0.11 U	< 0.0011 U	< 0.001 U	< 0.001 U	< 0.0009 U	< 0.001 U	< 0.0011 U
Dibromochloromethane	124-48-1	NL	NL	NL	< 0.001 U	< 0.0011 U	< 0.001 U	< 1.1 U	< 0.0011 U	< 0.001 U	< 0.11 U	< 0.0011 U	< 0.001 U	< 0.001 U	< 0.0009 U	< 0.001 U	< 0.0011 U
Methylene chloride	75-09-2	0.05	100	500	0.0045	0.0044	0.0037	< 1.1 U	0.0093	0.0043	< 0.11 U	0.0072	0.005	< 0.001 U	< 0.0009 U	< 0.001 U	0.0034
Styrene	100-42-5	NL	NL	NL	< 0.001 U	< 0.0011 U	< 0.001 U	< 1.1 U	< 0.0011 U	< 0.001 U	0.7	0.0027	0.00031 J	< 0.001 U	< 0.0009 U	< 0.001 U	< 0.0011 U
Tetrachloroethene	127-18-4	1.3	19	150	< 0.001 U	< 0.0011 U	< 0.001 U	< 1.1 U	< 0.0011 U	< 0.001 U	< 0.11 U	< 0.0011 U	< 0.001 U	< 0.001 U	< 0.0009 U	< 0.001 U	< 0.0011 U
trans-1,2-Dichloroethene	156-60-5	0.19	100	500	< 0.001 U	< 0.0011 U	< 0.001 U	< 1.1 U	< 0.0011 U	< 0.001 U	< 0.11 U	< 0.0011 U	< 0.001 U	< 0.001 U	< 0.0009 U	< 0.001 U	< 0.0011 U
trans-1,3-Dichloropropene	10061-02-6	NL	NL	NL	< 0.001 U	< 0.0011 U	< 0.001 U	< 1.1 U	< 0.0011 U	< 0.001 U	< 0.11 U	< 0.0011 U	< 0.001 U	< 0.001 U	< 0.0009 U	< 0.001 U	< 0.0011 U
Trichloroethene	79-01-6	0.47	21	200	< 0.001 U	< 0.0011 U	< 0.001 U	< 1.1 U	< 0.0011 U	< 0.001 U	< 0.11 U	< 0.0011 U	< 0.001 U	< 0.001 U	< 0.0009 U	< 0.001 U	< 0.0011 U
Vinyl chloride	75-01-4	0.02	0.9	13	< 0.001 U	< 0.0011 U	< 0.001 U	< 1.1 U	< 0.0011 U	< 0.001 U	< 0.11 U	< 0.0011 U	< 0.001 U	< 0.001 U	< 0.0009 U	< 0.001 U	< 0.0011 U
Total VOCs					0.03009	0.03938	0.00839	12.23	0.01198	0.01185	18.352	0.06852	0.00908	0.00014	0.00015	0.00014	0.00452
Polynuclear Aromatic Hydrocarbons (PAHs) (mg/Kg)																	
2-Methylnaphthalene	91-57-6	NL	NL	NL	< 0.35 U	< 0.41 U	0.073 J	69	< 0.39 U	< 0.35 U	41	1.2	< 0.36 U	< 0.34 U	0.043 J	< 0.35 U	0.46 J
Acenaphthene	83-32-9	20	100	500	< 0.35 U	< 0.41 U	0.068 J	36	< 0.39 U	< 0.35 U	13	0.42 J	< 0.36 U	< 0.34 U	< 0.33 U	< 0.35 U	1.4 J
Acenaphthylene	208-96-8	100	100	500	< 0.35 U	< 0.41 U	0.26 J	83	< 0.39 U	< 0.35 U	36	1.5	< 0.36 U	0.22 J	0.24 J	< 0.35 U	2.3
Anthracene	120-12-7	100	100	500	< 0.35 U	< 0.41 U	0.36	30	< 0.39 U	< 0.35 U	63	2	< 0.36 U	0.19 J	0.14 J	< 0.35 U	7.5
Benzo(a)anthracene	56-55-3	1	1	5.6	< 0.035 U	< 0.041 U	1.6	19	< 0.039 U	0.17	82	3.4	< 0.036 U	0.58	0.35	0.045	24
Benzo(a)pyrene	50-32-8	1	1	1	< 0.035 U	< 0.041 U	1.8	24	< 0.039 U	0.17	37	1.8	< 0.036 U	0.81	0.56 J	0.055	18
Benzo(b)fluoranthene	205-99-2	1	1	5.6	< 0.035 U	< 0.041 U	1.9	17	< 0.039 U	0.2	47	1.9	< 0.036 U	0.78	0.47 J	0.051	19
Benzo(ghi)perylene	191-24-2	100	100	500	< 0.35 U	< 0.41 U	1.2	25	< 0.39 U	0.075 J	8.6	1	< 0.36 U	0.75	0.53 J	0.052 J	11
Benzo(k)fluoranthene	207-08-9	0.8	3.9	56	< 0.035 U	< 0.041 U	0.69	6.6	< 0.039 U	0.087	17	0.56	< 0.036 U	0.33	0.16	0.018 J	8.4
Chrysene	218-01-9	1	3.9	56	< 0.35 U	< 0.41 U	1.5	19	< 0.39 U	0.17 J	71	3.4	< 0.36 U	0.65	0.39	0.05 J	21
Dibenz(a,h)anthracene	53-70-3	0.33	0.33	0.56	< 0.035 U	< 0.041 U	0.31	2	< 0.039 U	< 0.035 U	5.2	0.47	< 0.036 U	0.08	0.054	< 0.035 U	3.4
Fluoranthene	206-44-0	100	100	500	< 0.35 U	< 0.41 U	2.2	60	< 0.39 U	0.21 J	110	4.4	< 0.36 U	1.6	1.4 J	0.14 J	37
Fluorene	86-73-7	30	100	500	< 0.35 U	< 0.41 U	0.13 J	58	< 0.39 U	< 0.35 U	61	2.8	< 0.36 U	0.091 J	0.16 J	< 0.35 U	2.3
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	0.5	5.6	< 0.035 U	< 0.041 U	1.2	18	< 0.039 U	0.082	11	1	< 0.036 U	0.61	0.41	0.032 J	13
Naphthalene	91-20-3	12	100	500	< 0.35 U	< 0.41 U	0.12 J	190	< 0.39 U	< 0.35 U	27	0.47 J	< 0.36 U	0.071 J	0.063 J	< 0.35 U	0.73 J
Phenanthrene	85-01-8	100	100	500	< 0.35 U	< 0.41 U	1.6	130	< 0.39 U	0.093 J	140	6.2	< 0.36 U	1	1.6	0.14 J	24
Pyrene	129-00-0	100	100	500	< 0.35 U	< 0.41 U	2.6	98	< 0.39 U	0.17 J	85	3.6	< 0.36 U</				

Table 2
Summary of Analytical Results for Subsurface Soil Samples
Jamaica Gas & Light Former MGP Site
Queens, New York

Sample Location Sample Date Sample ID Sample Interval (feet) SDG	CAS #	NYSDEC Part 375-6 Unrestricted Use	NYSDEC Part 375-6 Restricted Residential Use	NYSDEC Part 375-6 Commercial Use	SB-08 3/1/2012 SB-8 (20-25)030112 20-25 460375391	SB-08 3/1/2012 SB-8 (42.5-45)030112 42.5-45 460375391	SB-09 2/23/2012 SB-9 (2.5-5)022312 2.5-5 460373431	SB-09 2/23/2012 SB-9 (10-13.5)022312 10-13.5 460373431	SB-09 2/23/2012 SB-9 (37.5-40)022312 37.5-40 460373881	SB-10 2/23/2012 SB-10 (1-2.5)022312 1-2.5 460373431	SB-10 2/23/2012 SB-10 (12.5-15)022312 12.5-15 460373431	SB-10 2/23/2012 SB-10 (26-27.5)022312 26-27.5 460373431	SB-10 2/23/2012 SB-10 (37.5-40)022312 37.5-40 460373881	SB-11 2/28/2012 SB-11 (0-2.5)022812 0-2.5 460373431	SB-11 2/28/2012 SB-11 (25-27)022812 25-27 460373431	SB-11 2/28/2012 SB-11 (35-40)022812 35-40 460373431	SB-12 2/28/2012 SB-12 (2.5-5)022812 2.5-5 460373431	
Other Semi Volatile Organic Compounds (SVOCs) (mg/Kg)																		
1,2,4-Trichlorobenzene	120-82-1	NL	NL	NL	< 0.035 U	< 0.041 U	< 0.036 U	< 0.98 U	< 0.039 U	< 0.035 U	< 0.74 U	< 0.074 U	< 0.036 U	< 0.034 U	< 0.033 U	< 0.035 U	< 0.19 U	U
1,2-Dichlorobenzene	95-50-1	1.1	100	500	< 0.35 U	< 0.41 U	< 0.36 U	< 9.8 U	< 0.39 U	< 0.35 U	< 7.4 U	< 0.74 U	< 0.36 U	< 0.34 U	< 0.33 U	< 0.35 U	< 1.9 U	U
1,3-Dichlorobenzene	541-73-1	2.4	49	280	< 0.35 U	< 0.41 U	< 0.36 U	< 9.8 U	< 0.39 U	< 0.35 U	< 7.4 U	< 0.74 U	< 0.36 U	< 0.34 U	< 0.33 U	< 0.35 U	< 1.9 U	U
1,4-Dichlorobenzene	106-46-7	1.8	13	130	< 0.35 U	< 0.41 U	< 0.36 U	< 9.8 U	< 0.39 U	< 0.35 U	< 7.4 U	< 0.74 U	< 0.36 U	< 0.34 U	< 0.33 U	< 0.35 U	< 1.9 U	U
2,2'-oxybis(1-Chloropropane)	108-60-1	NL	NL	NL	< 0.35 U	< 0.41 U	< 0.36 U	< 9.8 U	< 0.39 U	< 0.35 U	< 7.4 U	< 0.74 U	< 0.36 U	< 0.34 U	< 0.33 U	< 0.35 U	< 1.9 U	U
2,4,5-Trichlorophenol	95-95-4	NL	NL	NL	< 0.35 U	< 0.41 U	< 0.36 U	< 9.8 U	< 0.39 U	< 0.35 U	< 7.4 U	< 0.74 U	< 0.36 U	< 0.34 U	< 0.33 U	< 0.35 U	< 1.9 U	U
2,4,6-Trichlorophenol	88-06-2	NL	NL	NL	< 0.35 U	< 0.41 U	< 0.36 U	< 9.8 U	< 0.39 U	< 0.35 U	< 7.4 U	< 0.74 U	< 0.36 U	< 0.34 U	< 0.33 U	< 0.35 U	< 1.9 U	U
2,4-Dichlorophenol	120-83-2	NL	NL	NL	< 0.35 U	< 0.41 U	< 0.36 U	< 9.8 U	< 0.39 U	< 0.35 U	< 7.4 U	< 0.74 U	< 0.36 U	< 0.34 U	< 0.33 U	< 0.35 U	< 1.9 U	U
2,4-Dimethylphenol	105-67-9	NL	NL	NL	< 0.35 U	< 0.41 U	< 0.36 U	< 9.8 U	< 0.39 U	< 0.35 U	< 7.4 U	< 0.74 U	< 0.36 U	< 0.34 U	< 0.33 U	< 0.35 U	< 1.9 U	U
2,4-Dinitrophenol	51-28-5	NL	NL	NL	< 1.1 U	< 1.3 U	< 1.1 U	< 30 U	< 1.2 U	< 1.1 U	< 22 U	< 2.3 U	< 1.1 U	< 1 U	R	< 1.1 U	< 5.7 U	U
2,4-Dinitrotoluene	121-14-2	NL	NL	NL	< 0.072 U	< 0.084 U	< 0.073 U	< 2 U	< 0.08 U	< 0.071 U	< 1.5 U	< 0.15 U	< 0.074 U	< 0.069 U	< 0.068 U	< 0.071 U	< 0.38 U	U
2,6-Dinitrotoluene	606-20-2	NL	NL	NL	< 0.072 U	< 0.084 U	< 0.073 U	< 2 U	< 0.08 U	< 0.071 U	< 1.5 U	< 0.15 U	< 0.074 U	< 0.069 U	< 0.068 U	< 0.071 U	< 0.38 U	U
2-Chloronaphthalene	91-58-7	NL	NL	NL	< 0.35 U	< 0.41 U	< 0.36 U	< 9.8 U	< 0.39 U	< 0.35 U	< 7.4 U	< 0.74 U	< 0.36 U	< 0.34 U	< 0.33 U	< 0.35 U	< 1.9 U	U
2-Chlorophenol	95-57-8	NL	NL	NL	< 0.35 U	< 0.41 U	< 0.36 U	< 9.8 U	< 0.39 U	< 0.35 U	< 7.4 U	< 0.74 U	< 0.36 U	< 0.34 U	< 0.33 U	< 0.35 U	< 1.9 U	U
2-Methylphenol	95-48-7	0.33	100	500	< 0.35 U	< 0.41 U	< 0.36 U	< 9.8 U	< 0.39 U	< 0.35 U	< 7.4 U	< 0.74 U	< 0.36 U	< 0.34 U	< 0.33 U	< 0.35 U	< 1.9 U	U
2-Nitroaniline	88-74-4	NL	NL	NL	< 0.72 U	< 0.84 U	< 0.73 U	< 20 U	< 0.8 U	< 0.71 U	< 15 U	< 1.5 U	< 0.74 U	< 0.69 U	< 0.68 U	< 0.71 U	< 3.8 U	U
2-Nitrophenol	88-75-5	NL	NL	NL	< 0.35 U	< 0.41 U	< 0.36 U	< 9.8 U	< 0.39 U	< 0.35 U	< 7.4 U	< 0.74 U	< 0.36 U	< 0.34 U	< 0.33 U	< 0.35 U	< 1.9 U	U
3,3'-Dichlorobenzidine	91-94-1	NL	NL	NL	< 0.72 U	< 0.84 U	< 0.73 U	< 20 U	< 0.8 U	< 0.71 U	< 15 U	< 1.5 U	< 0.74 U	< 0.69 U	< 0.68 U	< 0.71 U	< 3.8 U	U
3-Nitroaniline	99-09-2	NL	NL	NL	< 0.72 U	< 0.84 U	< 0.73 U	< 20 U	< 0.8 U	< 0.71 U	< 15 U	< 1.5 U	< 0.74 U	< 0.69 U	< 0.68 U	< 0.71 U	< 3.8 U	U
4,6-Dinitro-2-methylphenol	534-52-1	NL	NL	NL	< 1.1 U	< 1.3 U	< 1.1 U	< 30 U	< 1.2 U	< 1.1 U	< 22 U	< 2.3 U	< 1.1 U	< 1 U	< 1 U	< 1.1 U	< 5.7 U	U
4-Bromophenyl phenyl ether	101-55-3	NL	NL	NL	< 0.35 U	< 0.41 U	< 0.36 U	< 9.8 U	< 0.39 U	< 0.35 U	< 7.4 U	< 0.74 U	< 0.36 U	< 0.34 U	< 0.33 U	< 0.35 U	< 1.9 U	U
4-Chloro-3-methylphenol	59-50-7	NL	NL	NL	< 0.35 U	< 0.41 U	< 0.36 U	< 9.8 U	< 0.39 U	< 0.35 U	< 7.4 U	< 0.74 U	< 0.36 U	< 0.34 U	< 0.33 U	< 0.35 U	< 1.9 U	U
4-Chloroaniline	106-47-8	NL	NL	NL	< 0.35 U	< 0.41 U	< 0.36 U	< 9.8 U	< 0.39 U	< 0.35 U	< 7.4 U	< 0.74 U	< 0.36 U	< 0.34 U	< 0.33 U	< 0.35 U	< 1.9 U	U
4-Chlorophenyl phenyl ether	7005-72-3	NL	NL	NL	< 0.35 U	< 0.41 U	< 0.36 U	< 9.8 U	< 0.39 U	< 0.35 U	< 7.4 U	< 0.74 U	< 0.36 U	< 0.34 U	< 0.33 U	< 0.35 U	< 1.9 U	U
4-Methylphenol	106-44-5	0.33	100	500	< 0.35 U	< 0.41 U	< 0.36 U	< 9.8 U	< 0.39 U	< 0.35 U	2.2 J	< 0.74 U	< 0.36 U	< 0.34 U	< 0.33 U	< 0.35 U	< 1.9 U	U
4-Nitroaniline	100-01-6	NL	NL	NL	< 0.72 U	< 0.84 U	< 0.73 U	< 20 U	< 0.8 U	< 0.71 U	< 15 U	< 1.5 U	< 0.74 U	< 0.69 U	< 0.68 U	< 0.71 U	< 3.8 U	U
4-Nitrophenol	100-02-7	NL	NL	NL	< 1.1 U	< 1.3 U	< 1.1 U	< 30 U	< 1.2 U	< 1.1 U	< 22 U	< 2.3 U	< 1.1 U	< 1 U	< 1 U	< 1.1 U	< 5.7 U	U
bis(2-Chloroethoxy)methane	111-91-1	NL	NL	NL	< 0.35 U	< 0.41 U	< 0.36 U	< 9.8 U	< 0.39 U	< 0.35 U	< 7.4 U	< 0.74 U	< 0.36 U	< 0.34 U	< 0.33 U	< 0.35 U	< 1.9 U	U
bis(2-Chloroethyl) ether	111-44-4	NL	NL	NL	< 0.035 U	< 0.041 U	< 0.036 U	< 0.98 U	< 0.039 U	< 0.035 U	< 0.74 U	< 0.074 U	< 0.036 U	< 0.034 U	< 0.033 U	< 0.035 U	< 0.19 U	U
bis(2-Ethylhexyl) phthalate	117-81-7	NL	NL	NL	< 0.35 U	< 0.41 U	< 0.36 U	< 9.8 U	0.6	< 0.35 U	< 7.4 U	< 0.74 U	< 0.36 U	< 0.34 U	< 0.33 U	< 0.35 U	< 1.9 U	U
Butyl benzyl phthalate	85-68-7	NL	NL	NL	< 0.35 U	< 0.41 U	< 0.36 U	< 9.8 U	< 0.39 U	< 0.35 U	< 7.4 U	< 0.74 U	< 0.36 U	< 0.34 U	< 0.33 U	< 0.35 U	< 1.9 U	U
Carbazole	86-74-8	NL	NL	NL	< 0.35 U	< 0.41 U	0.085 J	< 9.8 U	< 0.39 U	< 0.35 U	20	0.88	< 0.36 U	< 0.34 U	< 0.33 U	< 0.35 U	1.6 J	J
Dibenzofuran	132-64-9	7	59	500	< 0.35 U	< 0.41 U	< 0.36 U	< 9.8 U	< 0.39 U	< 0.35 U	30	1.3	< 0.36 U	< 0.34 U	< 0.33 U	< 0.35 U	1.3 J	J
Diethyl phthalate	84-66-2	NL	NL	NL	< 0.35 U	< 0.41 U	< 0.36 U	< 9.8 U	< 0.39 U	< 0.35 U	< 7.4 U	< 0.74 U	< 0.36 U	< 0.34 U	< 0.33 U	< 0.35 U	< 1.9 U	U
Dimethyl phthalate	131-11-3	NL	NL	NL	< 0.35 U	< 0.41 U	< 0.36 U	< 9.8 U	< 0.39 U	< 0.35 U	< 7.4 U	< 0.74 U	< 0.36 U	< 0.34 U	< 0.33 U	< 0.35 U	< 1.9 U	U
Di-n-butyl phthalate	84-74-2	NL	NL	NL	< 0.35 U	< 0.41 U	< 0.36 U	< 9.8 U	< 0.39 U	< 0.35 U	< 7.4 U	< 0.74 U	< 0.36 U	< 0.34 U	< 0.33 U	< 0.35 U	< 1.9 U	U
Di-n-octyl phthalate	117-84-0	NL	NL	NL	< 0.35 U	< 0.41 U	< 0.36 U	< 9.8 U	< 0.39 U	< 0.35 U	< 7.4 U	< 0.74 U	< 0.36 U	< 0.34 U	< 0.33 U	< 0.35 U	< 1.9 U	U
Hexachlorobenzene	118-74-1	0.33	1.2	6	< 0.035 U	< 0.041 U	< 0.036 U	< 0.98 U	< 0.039 U	< 0.035 U	< 0.74 U	< 0.074 U	< 0.036 U	< 0.034 U	< 0.033 U	< 0.035 U	< 0.19 U	U
Hexachlorobutadiene	87-68-3	NL	NL	NL	< 0.072 U	< 0.084 U	< 0.073 U	< 2 U	< 0.08 U	< 0.071 U	< 1.5 U	< 0.15 U	< 0.074 U	< 0.069 U	< 0.068 U	< 0.071 U	< 0.38 U	U
Hexachlorocyclopentadiene	77-47-4	NL	NL	NL	< 0.35 U	< 0.41 U	< 0.36 U	< 9.8 U	< 0.39 U	< 0.35 U	< 7.4 U	< 0.74 U	< 0.36 U	< 0.34 U	< 0.33 U	< 0.35 U	< 1.9 U	U
Hexachloroethane	67-72-1	NL	NL	NL	< 0.035 U	< 0.041 U	< 0.036 U	< 0.98 U	< 0.039 U	< 0.035 U	< 0.74 U	< 0.074 U	< 0.036 U	< 0.034 U	< 0.033 U	< 0.035 U	< 0.19 U	U
Isophorone	78-59-1	NL	NL	NL	< 0.35 U	< 0.41 U	< 0.36 U	< 9.8 U	< 0.39 U	< 0.35 U	< 7.4 U	< 0.74 U	< 0.36 U	< 0.34 U	< 0.33 U	< 0.35 U	< 1.9 U	U
Nitrobenzene	98-95-3	NL	NL	69	< 0.035 U	< 0.041 U	< 0.036 U	< 0.98 U	< 0.039 U	< 0.035 U	< 0.74 U	< 0.074 U	< 0.036 U	< 0.034 U	< 0.033 U	< 0.035 U	< 0.19 U	U
N-Nitrosodi-n-propylamine	621-64-7	NL	NL	NL	< 0.035 U	< 0.041 U	< 0.036 U	< 0.98 U	< 0.039 U	< 0.035 U	< 0.74 U	< 0.074 U	< 0.036 U	< 0.034 U	< 0.033 U	< 0.035 U	< 0.19 U	U
N-Nitrosodiphenylamine	86-30-6	NL	NL	NL	< 0.35 U	< 0.41 U	< 0.36 U	< 9.8 U	< 0.39 U	< 0.35 U	< 7.4 U	< 0.74 U	< 0.36 U	< 0.34 U	< 0.33 U	< 0.35 U	< 1.9 U	U
Pentachlorophenol	87-86-5	0.8	6.7	6.7	< 1.1 U	< 1.3 U	< 1.1 U	< 30 U	< 1.2 U	< 1.1 U	< 22 U	< 2.3 U	< 1.1 U	< 1 U	< 1 U	< 1.1 U	< 5.7 U	U
Phenol	108-95-2	0.33	100	500	< 0.35 U	< 0.41 U	< 0.36 U	< 9.8 U	< 0.39 U	< 0.35 U	< 7.4 U	< 0.74 U	< 0.36 U	< 0.34 U	< 0.33 U	< 0.35 U	< 1.9 U	U
Total SVOCs					ND	ND	17.696	884.6	0.6	1.427	907	38.3	ND	9.662	8.37	0.773	231.39	
Inorganic Compounds (mg/Kg)																		
Aluminum	7429-90-5	NL	NL	NL	2580	2110	3530	2820	1860	5780	2740	2580	1600	2510	1950	1800	5060	
Antimony	7440-36-0	NL	NL	NL	< 2.1 U	< 2.3 U	< 2.1 U	< 2.4 U	< 2.2 U	< 1.9 U	< 2.2 U	< 2 U	< 2 U	< 1.9 U	< 1.9 U	< 2.1 U	< 1.2 J	J
Arsenic	7440-38-2	13	16	16	1.1	2.1	5.2	4.9	< 1.1 U	2.4	1.5	1.5	< 0.99 U	1.3	< 0.93 U	< 1 U	6.1	
Barium	7440-39-3	350	400	400	13.2 J	21.1 J	56.6	29.8 J	13.3 J	30.6 J	13.9 J	15.3 J	11.1 J	27.3 J	18.8 J	16.9 J		

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PCBs (mg/Kg)																		
Aroclor 1016	12674-11-2	NL	NL	NL	< 0.072 U	< 0.084 U	< 0.073 U	< 0.079 U	< 0.08 U	< 0.071 U	< 0.075 U	< 0.076 U	< 0.074 U	< 0.069 U	< 0.068 U	< 0.071 U	< 0.076 U	< 0.076 U
Aroclor 1221	11104-28-2	NL	NL	NL	< 0.072 U	< 0.084 U	< 0.073 U	< 0.079 U	< 0.08 U	< 0.071 U	< 0.075 U	< 0.076 U	< 0.074 U	< 0.069 U	< 0.068 U	< 0.071 U	< 0.076 U	< 0.076 U
Aroclor 1232	11141-16-5	NL	NL	NL	< 0.072 U	< 0.084 U	< 0.073 U	< 0.079 U	< 0.08 U	< 0.071 U	< 0.075 U	< 0.076 U	< 0.074 U	< 0.069 U	< 0.068 U	< 0.071 U	< 0.076 U	< 0.076 U
Aroclor 1242	53469-21-9	NL	NL	NL	< 0.072 U	< 0.084 U	< 0.073 U	< 0.079 U	< 0.08 U	< 0.071 U	< 0.075 U	< 0.076 U	< 0.074 U	< 0.069 U	< 0.068 U	< 0.071 U	< 0.076 U	< 0.076 U
Aroclor 1248	12672-29-6	NL	NL	NL	< 0.072 U	< 0.084 U	< 0.073 U	< 0.079 U	< 0.08 U	< 0.071 U	< 0.075 U	< 0.076 U	< 0.074 U	< 0.069 U	< 0.068 U	< 0.071 U	< 0.076 U	< 0.076 U
Aroclor 1254	11097-69-1	NL	NL	NL	< 0.072 U	< 0.084 U	< 0.073 U	< 0.079 U	< 0.08 U	< 0.071 U	< 0.075 U	< 0.076 U	< 0.074 U	< 0.069 U	< 0.068 U	< 0.071 U	< 0.13	J
Aroclor 1260	11096-82-5	NL	NL	NL	< 0.072 U	< 0.084 U	< 0.073 U	< 0.079 U	< 0.08 U	< 0.071 U	< 0.075 U	< 0.076 U	< 0.074 U	< 0.069 U	< 0.068 U	< 0.071 U	< 0.076 U	< 0.076 U
Aroclor 1262	37324-23-5	NL	NL	NL	< 0.072 U	< 0.084 U	< 0.073 U	< 0.079 U	< 0.08 U	< 0.071 U	< 0.075 U	< 0.076 U	< 0.074 U	< 0.069 U	< 0.068 U	< 0.071 U	< 0.076 U	< 0.076 U
Aroclor 1268	11100-14-4	NL	NL	NL	< 0.072 U	< 0.084 U	< 0.073 U	< 0.079 U	< 0.08 U	< 0.071 U	< 0.075 U	< 0.076 U	< 0.074 U	< 0.069 U	< 0.068 U	< 0.071 U	< 0.076 U	< 0.076 U
Total PCBs		0.1	1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.13
Pesticides (mg/Kg)																		
Aldrin	309-00-2	0.005	0.097	0.68	< 0.0072 U	< 0.0084 U	< 0.0073 U	< 0.0079 U	< 0.008 U	< 0.0071 U	< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0069 U	< 0.0068 U	< 0.0071 U	< 0.0076 U	< 0.0076 U
Alpha-BHC	319-84-6	0.02	0.48	3.4	< 0.0072 U	< 0.0084 U	< 0.0073 U	0.0064 J	< 0.008 U	< 0.0071 U	< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0069 U	< 0.0068 U	< 0.0071 U	< 0.0076 U	< 0.0076 U
Beta-BHC	319-85-7	0.036	0.36	3	< 0.0072 U	< 0.0084 U	< 0.0073 U	< 0.0079 U	< 0.008 U	< 0.0071 U	< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0069 U	< 0.0068 U	< 0.0071 U	< 0.0076 U	< 0.0076 U
Chlordane	57-74-9	NL	NL	NL	< 0.072 U	< 0.084 U	< 0.073 U	< 0.079 U	< 0.08 U	< 0.071 U	< 0.075 U	< 0.075 U	< 0.074 U	< 0.069 U	< 0.068 U	< 0.071 U	< 0.076 U	< 0.076 U
DDD,4,4-	72-54-8	0.0033	13	92	< 0.0072 U	< 0.0084 U	< 0.0073 U	< 0.0079 U	< 0.008 U	< 0.0071 U	0.18 J	< 0.0075 U	< 0.0074 U	< 0.0069 U	< 0.0068 U	< 0.0071 U	0.018	NJ
DDE,4,4-	72-55-9	0.0033	8.9	62	< 0.0072 U	< 0.0084 U	< 0.0073 U	< 0.0079 U	< 0.008 U	< 0.0071 U	< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0069 U	< 0.0068 U	< 0.0071 U	< 0.0076 U	< 0.0076 U
DDT,4,4-	50-29-3	0.0033	7.9	47	< 0.0072 U	< 0.0084 U	< 0.0073 U	0.012	< 0.008 UJ	< 0.0071 U	< 0.0075 U	< 0.0075 U	< 0.0074 UJ	< 0.0069 U	< 0.0068 U	< 0.0071 U	< 0.0076 U	< 0.0076 U
Delta-BHC	319-86-8	0.04	100	500	< 0.0072 U	< 0.0084 U	< 0.0073 U	< 0.0079 U	< 0.008 U	< 0.0071 U	< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0069 U	< 0.0068 U	< 0.0071 U	< 0.0076 U	< 0.0076 U
Dieldrin	60-57-1	0.005	0.2	1.4	< 0.0072 U	< 0.0084 U	< 0.0073 U	< 0.0079 U	< 0.008 U	< 0.0071 U	< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0069 U	< 0.0068 U	< 0.0071 U	< 0.0076 U	< 0.0076 U
Endosulfan I	959-98-8	2.4	24	200	< 0.0072 U	< 0.0084 U	< 0.0073 U	< 0.0079 U	< 0.008 U	< 0.0071 U	< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0069 U	< 0.0068 U	< 0.0071 U	< 0.0076 U	< 0.0076 U
Endosulfan II	33213-65-9	2.4	24	200	< 0.0072 U	< 0.0084 U	< 0.0073 U	< 0.0079 U	< 0.008 U	< 0.0071 U	< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0069 U	< 0.0068 U	< 0.0071 U	< 0.0076 U	< 0.0076 U
Endosulfan sulfate	1031-07-8	2.4	24	200	< 0.0072 U	< 0.0084 U	< 0.0073 U	< 0.0079 U	< 0.008 U	< 0.0071 U	< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0069 U	< 0.0068 U	< 0.0071 U	< 0.0076 U	< 0.0076 U
Endrin	72-20-8	0.014	11	89	< 0.0072 U	< 0.0084 U	< 0.0073 U	< 0.0079 U	< 0.008 U	< 0.0071 U	< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0069 U	< 0.0068 U	< 0.0071 U	< 0.0076 U	< 0.0076 U
Endrin aldehyde	7421-93-4	NL	NL	NL	< 0.0072 U	< 0.0084 U	< 0.0073 U	< 0.0079 U	< 0.008 U	< 0.0071 U	< 0.0075 U	0.02	< 0.0074 U	< 0.0069 U	< 0.0068 U	< 0.0071 U	< 0.0076 U	< 0.0076 U
Endrin ketone	53494-70-5	NL	NL	NL	< 0.0072 U	< 0.0084 U	< 0.0073 U	< 0.0079 U	< 0.008 U	< 0.0071 U	0.14 J	0.019	< 0.0074 U	< 0.0069 U	< 0.0068 U	< 0.0071 U	0.026	NJ
Gamma BHC - Lindane	58-89-9	0.1	1.3	9.2	< 0.0072 U	< 0.0084 U	< 0.0073 U	< 0.0079 U	< 0.008 U	< 0.0071 U	< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0069 U	< 0.0068 U	< 0.0071 U	< 0.0076 U	< 0.0076 U
Heptachlor	76-44-8	0.042	2.1	15	< 0.0072 U	< 0.0084 U	< 0.0073 U	< 0.0079 U	< 0.008 U	< 0.0071 U	< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0069 U	< 0.0068 U	< 0.0071 U	< 0.0076 U	< 0.0076 U
Heptachlor Epoxide	1024-57-3	NL	NL	NL	< 0.0072 U	< 0.0084 U	< 0.0073 U	< 0.0079 U	< 0.008 U	< 0.0071 U	< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0069 U	< 0.0068 U	< 0.0071 U	< 0.0076 U	< 0.0076 U
Methoxychlor	72-43-5	NL	NL	NL	< 0.0072 U	< 0.0084 U	< 0.0073 U	0.007 J	< 0.008 UJ	< 0.0071 U	< 0.0075 U	< 0.0075 U	< 0.0074 UJ	< 0.0069 U	< 0.0068 U	< 0.0071 U	< 0.0076 U	< 0.0076 U
Toxaphene	8001-35-2	NL	NL	NL	< 0.072 U	< 0.084 U	< 0.073 U	< 0.079 U	< 0.08 U	< 0.071 U	< 0.075 U	< 0.075 U	< 0.074 U	< 0.069 U	< 0.068 U	< 0.071 U	< 0.076 U	< 0.076 U
Herbicides (mg/Kg)																		
2,4,5-TP (Silvex)	93-72-1	3.8	100	500	< 0.018 U	< 0.021 U	< 0.019 U	< 0.02 U	< 0.02 U	< 0.018 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.018 U	< 0.017 U	< 0.018 U	< 0.019 U	< 0.019 U
2,4-D	94-75-7	NL	NL	NL	< 0.018 U	< 0.021 U	< 0.019 U	< 0.02 U	< 0.02 U	< 0.018 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.018 U	< 0.017 U	< 0.018 U	< 0.019 U	< 0.019 U
T,2,4,5-	93-76-5	NL	NL	NL	< 0.018 U	< 0.021 U	< 0.019 U	< 0.02 U	< 0.02 U	< 0.018 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.018 U	< 0.017 U	< 0.018 U	< 0.019 U	< 0.019 U
Cyanide (mg/Kg)																		
Total Cyanide	57-12-5	27	27	27	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cyanide, Free	57-12-5-FREE	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Available cyanide	57-12-5-A	NL	NL	NL	< 0.043 U	< 0.05 U	< 0.044 U	1.7	< 0.048 U	< 0.042 U	3.3	0.32	< 0.044 U	< 0.041 U	< 0.04 U	< 0.042 U	< 0.045 U	< 0.045 U

Notes:

Exceedance of the NYSDEC Part 375-6.8(b) Unrestricted Use Soil Cleanup Objective value.

Exceedance of the NYSDEC Part 375-6.8(b) Restricted Residential Use Soil Cleanup Objective value.

Exceedance of the NYSDEC Part 375-6.8(b) Commercial Use Soil Cleanup Objective value.

ND = calculated totals are not detected

NL = Not Listed

mg/Kg = milligram per kilogram

Bold indicates compound was detected

U = Nondetected result. The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet the quality control criteria. The presence of absence of the analyte cannot be verified.

Table 2
Summary of Analytical Results for Subsurface Soil Samples
Jamaica Gas & Light Former MGP Site
Queens, New York

Sample Location Sample Date Sample ID Sample Interval (feet) SDG	CAS #	NYSDEC Part 375-6 Unrestricted Use	NYSDEC Part 375-6 Restricted Residential Use	NYSDEC Part 375-6 Commercial Use	SB-12 2/28/2012 SB-12 (5-7.5)022812 5-7.5 460373431	SB-12 2/28/2012 SB-12 (10-12.5)022812 10-12.5 460373431	SB-12 2/28/2012 SB-12 (37.5-40)022812 37.5-40 460373431	SB-13 2/28/2012 SB-13 (2.5-5)022812 2.5-5 460373881	SB-13 2/28/2012 SB-13 (22.5-24.5)022912 22.5-24.5 460373881	SB-13 2/27/2012 SB-13 (37.5-40)022912 37.5-40 460373881	SB-14 2/27/2012 DUP-2-022712 2-5 460373431	SB-14 2/27/2012 SB-14 (2-5)022712 2-5 460373431	SB-14 2/27/2012 SB-14 (25-26.5)022712 25-26.5 460373431	SB-14 2/27/2012 SB-14 (37.5-40)022712 37.5-40 460373431	SB-15 2/28/2012 SB-15 (2.5-5)022812 2.5-5 460373881	SB-15 3/8/2012 SB-15 (25-27.5)030812 25-27.5 460377821	SB-15 3/9/2012 SB-15 (37.5-40)030912 37.5-40 460377821
BTEX (mg/kg)					0.00541	ND	0.00016	0.00029	ND	0.00014	0.0003	ND	0.00057	ND	0.00051	0.00262	0.00127
Volatile Organic Compounds (VOCs)(mg/Kg)																	
1,1,1-Trichloroethane	71-55-6	0.68	100	500	0.00047 J	< 0.001 U	< 0.00098 U	< 0.00097 U	< 0.001 U	< 0.00098 U	0.0005 J	0.0009 J	0.00016 J	< 0.001 U	0.00033 J	< 0.00093 U	< 0.00097 U
1,1,2,2-Tetrachloroethane	79-34-5	NL	NL	NL	< 0.001 U	< 0.001 U	< 0.00098 U	< 0.00097 U	< 0.001 U	< 0.00098 U	< 0.0011 U	< 0.0011 U	< 0.00095 U	< 0.001 U	< 0.0011 U	< 0.00093 U	< 0.00097 U
1,1,2-Trichloroethane	79-00-5	NL	NL	NL	< 0.001 U	< 0.001 U	< 0.00098 U	< 0.00097 U	< 0.001 U	< 0.00098 U	< 0.0011 U	< 0.0011 U	< 0.00095 U	< 0.001 U	< 0.0011 U	< 0.00093 U	< 0.00097 U
1,1-Dichloroethane	75-34-3	0.27	26	240	< 0.001 U	< 0.001 U	< 0.00098 U	< 0.00097 U	< 0.001 U	< 0.00098 U	< 0.0011 U	< 0.0011 U	< 0.00095 U	< 0.001 U	< 0.0011 U	< 0.00093 U	< 0.00097 U
1,1-Dichloroethene	75-35-4	0.33	100	500	< 0.001 U	< 0.001 U	< 0.00098 U	< 0.00097 U	< 0.001 U	< 0.00098 U	< 0.0011 U	< 0.0011 U	< 0.00095 U	< 0.001 U	< 0.0011 U	< 0.00093 U	< 0.00097 U
1,2-Dichloroethane	107-06-2	0.02	3.1	30	< 0.001 U	< 0.001 U	< 0.00098 U	< 0.00097 U	< 0.001 U	< 0.00098 U	< 0.0011 U	< 0.0011 U	< 0.00095 U	< 0.001 U	< 0.0011 U	0.00024 J	0.00039 J
1,2-Dichloropropane	78-87-5	NL	NL	NL	< 0.001 U	< 0.001 U	< 0.00098 U	< 0.00097 U	< 0.001 U	< 0.00098 U	< 0.0011 U	< 0.0011 U	< 0.00095 U	< 0.001 U	< 0.0011 U	< 0.00093 U	< 0.00097 U
2-Butanone	78-93-3	0.12	100	500	R	< 0.01 U	R	R	R	R	R	R	0.0015 J	R	R	R	0.0038 J
2-Hexanone	591-78-6	NL	NL	NL	< 0.01 U	< 0.01 UJ	< 0.0098 U	< 0.0097 U	< 0.01 U	< 0.0098 U	< 0.011 U	< 0.011 U	< 0.0095 U	< 0.01 U	< 0.011 UJ	< 0.0093 U	< 0.0097 U
4-Methyl-2-pentanone	108-10-1	NL	NL	NL	< 0.01 U	< 0.01 UJ	< 0.0098 U	< 0.0097 U	< 0.01 U	< 0.0098 U	< 0.011 U	< 0.011 U	< 0.0095 U	< 0.01 U	< 0.011 UJ	< 0.0093 U	< 0.0097 U
Acetone	67-64-1	0.05	100	500	< 0.01 U	< 0.01 U	< 0.017 U	< 0.0097 U	< 0.013 U	< 0.013 U	< 0.011 U	< 0.011 U	< 0.015 U	< 0.019 U	< 0.011 U	0.053 J	0.14 J
Bromodichloromethane	75-27-4	NL	NL	NL	< 0.001 U	< 0.001 U	< 0.00098 U	< 0.00097 U	< 0.001 U	< 0.00098 U	< 0.0011 U	< 0.0011 U	< 0.00095 U	< 0.001 U	< 0.0011 U	< 0.00093 U	< 0.00097 U
Bromoform	75-25-2	NL	NL	NL	< 0.001 U	< 0.001 U	< 0.00098 U	< 0.00097 U	< 0.001 U	< 0.00098 U	< 0.0011 U	< 0.0011 U	< 0.00095 U	< 0.001 U	< 0.0011 U	< 0.00093 U	< 0.00097 U
Bromomethane	74-83-9	NL	NL	NL	< 0.001 U	< 0.001 UJ	< 0.00098 U	< 0.00097 U	< 0.001 U	< 0.00098 U	< 0.0011 UJ	< 0.0011 U	< 0.00095 U	< 0.001 U	< 0.0011 U	< 0.00093 U	< 0.00097 U
Carbon disulfide	75-15-0	NL	NL	NL	< 0.001 U	< 0.001 U	< 0.00098 U	< 0.00097 U	< 0.001 U	< 0.00098 U	< 0.0011 U	< 0.0011 U	< 0.00095 U	< 0.001 U	< 0.0011 U	< 0.00093 U	< 0.00097 U
Carbon tetrachloride	56-23-5	0.76	2.4	22	< 0.001 U	< 0.001 UJ	< 0.00098 U	< 0.00097 U	< 0.001 U	< 0.00098 U	< 0.0011 U	< 0.0011 U	< 0.00095 U	< 0.001 U	< 0.0011 U	< 0.00093 U	< 0.00097 U
Chlorobenzene	108-90-7	1.1	100	500	< 0.001 U	< 0.001 U	< 0.00098 U	< 0.00097 U	< 0.001 U	< 0.00098 U	< 0.0011 U	< 0.0011 U	< 0.00095 U	< 0.001 U	< 0.0011 U	< 0.00093 U	< 0.00097 U
Chloroethane	75-00-3	NL	NL	NL	< 0.001 U	< 0.001 UJ	< 0.00098 U	< 0.00097 U	< 0.001 U	< 0.00098 U	< 0.0011 UJ	< 0.0011 U	< 0.00095 U	< 0.001 U	< 0.0011 U	< 0.00093 U	< 0.00097 U
Chloroform	67-66-3	0.37	49	350	< 0.001 U	< 0.001 U	< 0.00098 U	< 0.00097 U	< 0.001 U	< 0.00098 U	< 0.0011 U	< 0.0011 U	< 0.00095 U	< 0.001 U	< 0.0011 U	< 0.00093 U	< 0.00097 U
Chloromethane	74-87-3	NL	NL	NL	< 0.001 U	< 0.001 U	< 0.00098 U	< 0.00097 U	< 0.001 U	< 0.00098 U	< 0.0011 U	< 0.0011 U	< 0.00095 U	< 0.001 U	< 0.0011 U	< 0.00093 U	< 0.00097 U
cis-1,2-Dichloroethene	156-59-2	0.25	100	500	< 0.001 U	< 0.001 U	< 0.00098 U	< 0.00097 U	< 0.001 U	< 0.00098 U	< 0.0011 U	< 0.0011 U	< 0.00095 U	< 0.001 U	< 0.0011 U	0.00011 J	< 0.00097 U
cis-1,3-Dichloropropene	10061-01-5	NL	NL	NL	< 0.001 U	< 0.001 U	< 0.00098 U	< 0.00097 U	< 0.001 U	< 0.00098 U	< 0.0011 U	< 0.0011 U	< 0.00095 U	< 0.001 U	< 0.0011 U	< 0.00093 U	< 0.00097 U
Dibromochloromethane	124-48-1	NL	NL	NL	< 0.001 U	< 0.001 U	< 0.00098 U	< 0.00097 U	< 0.001 U	< 0.00098 U	< 0.0011 U	< 0.0011 U	< 0.00095 U	< 0.001 U	< 0.0011 U	< 0.00093 U	< 0.00097 U
Methylene chloride	75-09-2	0.05	100	500	0.0039	0.0012	0.0029	0.0063	0.0021	0.003	0.0043	0.0031	0.0024	0.0033	0.012	0.0085 J	0.022 J
Styrene	100-42-5	NL	NL	NL	0.00029 J	< 0.001 U	< 0.00098 U	< 0.00097 U	< 0.001 U	< 0.00098 U	< 0.0011 U	< 0.0011 U	< 0.00095 U	< 0.001 U	< 0.0011 U	< 0.00093 U	< 0.00097 U
Tetrachloroethene	127-18-4	1.3	19	150	< 0.001 U	< 0.001 U	< 0.00098 U	< 0.00097 U	< 0.001 U	< 0.00098 U	< 0.0011 U	< 0.0011 U	< 0.00095 U	< 0.001 U	0.00014 J	< 0.00093 U	< 0.00097 U
trans-1,2-Dichloroethene	156-60-5	0.19	100	500	< 0.001 U	< 0.001 U	< 0.00098 U	< 0.00097 U	< 0.001 U	< 0.00098 U	< 0.0011 U	< 0.0011 U	< 0.00095 U	< 0.001 U	< 0.0011 U	< 0.00093 U	< 0.00097 U
trans-1,3-Dichloropropene	10061-02-6	NL	NL	NL	< 0.001 U	< 0.001 U	< 0.00098 U	< 0.00097 U	< 0.001 U	< 0.00098 U	< 0.0011 U	< 0.0011 U	< 0.00095 U	< 0.001 U	< 0.0011 U	< 0.00093 U	< 0.00097 U
Trichloroethene	79-01-6	0.47	21	200	< 0.001 U	< 0.001 U	< 0.00098 U	< 0.00097 U	< 0.001 U	< 0.00098 U	< 0.0011 U	< 0.0011 U	< 0.00095 U	< 0.001 U	< 0.0011 U	< 0.00093 U	< 0.00097 U
Vinyl chloride	75-01-4	0.02	0.9	13	< 0.001 U	< 0.001 U	< 0.00098 U	< 0.00097 U	< 0.001 U	< 0.00098 U	< 0.0011 U	< 0.0011 U	< 0.00095 U	< 0.001 U	< 0.0011 U	< 0.00093 U	< 0.00097 U
Total VOCs					0.01007	0.0012	0.00306	0.00659	0.0021	0.00314	0.0051	0.004	0.00463	0.0033	0.01298	0.06447	0.16746
Polynuclear Aromatic Hydrocarbons (PAHs) (mg/Kg)																	
2-Methylnaphthalene	91-57-6	NL	NL	NL	2 J	< 0.35 U	< 0.36 U	< 0.35 U	< 0.35 U	< 0.38 U	0.17 J	0.17 J	< 0.35 U	< 0.37 U	< 0.38 U	< 0.34 U	< 0.38 U
Acenaphthene	83-32-9	20	100	500	2.5 J	< 0.35 U	< 0.36 U	< 0.35 U	< 0.35 U	< 0.38 U	0.13 J	0.15 J	< 0.35 U	< 0.37 U	< 0.38 U	< 0.34 U	< 0.38 U
Acenaphthylene	208-96-8	100	100	500	12	< 0.35 U	< 0.36 U	< 0.35 U	< 0.35 U	< 0.38 U	0.15 J	0.076 J	< 0.35 U	< 0.37 U	< 0.38 U	< 0.34 U	< 0.38 U
Anthracene	120-12-7	100	100	500	28	0.057 J	< 0.36 U	< 0.35 U	< 0.35 U	< 0.38 U	0.56	0.46	0.1 J	< 0.37 U	< 0.38 U	< 0.34 U	< 0.38 U
Benzo(a)anthracene	56-55-3	1	1	5.6	69	0.21	< 0.036 U	0.064	< 0.035 U	< 0.038 U	3.1	2.7	0.36	< 0.037 U	0.31	< 0.034 U	< 0.038 U
Benzo(a)pyrene	50-32-8	1	1	1	37	0.12	< 0.036 U	0.051	< 0.035 U	< 0.038 U	2.8	2.3	0.33	< 0.037 U	0.32	< 0.034 U	< 0.038 U
Benzo(b)fluoranthene	205-99-2	1	1	5.6	41	0.17	< 0.036 U	0.054	< 0.035 U	< 0.038 U	2.5	2.1	0.3	< 0.037 U	0.33	< 0.034 U	< 0.038 U
Benzo(ghi)perylene	191-24-2	100	100	500	8.6	< 0.35 U	< 0.36 U	0.03 J	< 0.35 U	< 0.38 U	0.79	1	0.23 J	< 0.37 U	0.21 J	< 0.34 U	< 0.38 U
Benzo(k)fluoranthene	207-08-9	0.8	3.9	56	22	0.05	< 0.036 U	0.022 J	< 0.035 U	< 0.038 U	0.83	0.61	0.11	< 0.037 U	0.15	< 0.034 U	< 0.038 U
Chrysene	218-01-9	1	3.9	56	54	0.2 J	< 0.36 U	0.064 J	< 0.35 U	< 0.38 U	2.9	2.6	0.34 J	< 0.37 U	0.3 J	< 0.34 U	< 0.38 U
Dibenz(a,h)anthracene	53-70-3	0.33	0.33	0.56	5.1	< 0.035 U	< 0.036 U	< 0.035 U	< 0.035 U	< 0.038 U	0.38	0.41	0.079	< 0.037 U	0.072	< 0.034 U	< 0.038 U
Fluoranthene	206-44-0	100	100	500	100	0.39	< 0.36 U	0.085 J	< 0.35 U	< 0.38 U	1.6	1.3	0.35	< 0.37 U	0.4	< 0.34 U	< 0.38 U
Fluorene	86-73-7	30	100	500	12	< 0.35 U	< 0.36 U	< 0.35 U	< 0.35 U	< 0.38 U	0.2 J	0.17 J	< 0.35 U	< 0.37 U	< 0.38 U	< 0.34 U	< 0.38 U
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	0.5	5.6	13	< 0.035 U	< 0.036 U	0.031 J	< 0.035 U	< 0.038 U	0.84	1	0.22	< 0.037 U	0.24	< 0.034 U	< 0.038 U
Naphthalene	91-20-3	12	100	500	1.8 J	< 0.35 U	< 0.36 U	< 0.35 U	< 0.35 U	< 0.38 U	0.11 J	0.1 J	< 0.35 U	< 0.37 U	< 0.38 U	< 0.34 U	< 0.38 U
Phenanthrene	85-01-8	100	100	500	47	0.12 J	< 0.36 U	< 0.35 U	< 0.35 U	< 0.38 U	1.2	0.99	0.34 J	< 0.37 U	0.14 J	< 0.34 U	< 0.38 U
Pyrene	129-00-0	100	100	500	73	0.29 J	< 0.36 U	0.091 J	< 0.35 U	< 0.38 U	1.7	1.7	0.47	< 0.37 U	0.36 J	< 0.34 U	0.04 J
Total PAHs					528	1.607	ND	0.492	ND	ND	19.96	17.836	3.229	ND	2.832	ND	0.04

Notes:

Exceedance of the NYSDEC Part 375-6.8(b) Unrestricted Use Soil Cleanup Objective value.

Exceedance of the NYSDEC Part 375-6.8(b) Restricted Residential Use Soil Cleanup Objective value.

Exceedance of the NYSDEC Part 375-6.8(b) Commercial Use Soil Cleanup Objective value.

ND = calculated totals are not detected

NL = Not Listed

mg/Kg = milligram per kilogram

Bold indicates compound was detected

U = Nondet

Table 2
Summary of Analytical Results for Subsurface Soil Samples
Jamaica Gas & Light Former MGP Site
Queens, New York

Sample Location Sample Date Sample ID Sample Interval (feet) SDG	CAS #	NYSDEC Part 375-6 Unrestricted Use	NYSDEC Part 375-6 Restricted Residential Use	NYSDEC Part 375-6 Commercial Use	SB-12 2/28/2012 SB-12 (5-7.5)022812 5-7.5 460373431	SB-12 2/28/2012 SB-12 (10-12.5)022812 10-12.5 460373431	SB-12 2/28/2012 SB-12 (37.5-40)022812 37.5-40 460373431	SB-13 2/28/2012 SB-13 (2.5-5)022812 2.5-5 460373881	SB-13 2/29/2012 SB-13 (22.5-24.5)022912 22.5-24.5 460373881	SB-13 2/29/2012 SB-13 (37.5-40)022912 37.5-40 460373881	SB-14 2/27/2012 DUP-2-022712 2-5 460373431	SB-14 2/27/2012 SB-14 (2-5)022712 2-5 460373431	SB-14 2/27/2012 SB-14 (25-26.5)022712 25-26.5 460373431	SB-14 2/27/2012 SB-14 (37.5-40)022712 37.5-40 460373431	SB-15 2/27/2012 SB-15 (2.5-5)022812 2.5-5 460373881	SB-15 3/8/2012 SB-15 (25-27.5)030812 25-27.5 460377821	SB-15 3/9/2012 SB-15 (37.5-40)030912 37.5-40 460377821	
Other Semi Volatile Organic Compounds (SVOC) (mg/Kg)																		
1,2,4-Trichlorobenzene	120-82-1	NL	NL	NL	< 0.72 U	< 0.035 U	< 0.036 U	< 0.035 U	< 0.035 U	< 0.038 U	< 0.037 U	< 0.037 U	< 0.035 U	< 0.037 U	< 0.038 U	< 0.034 U	< 0.038 U	
1,2-Dichlorobenzene	95-50-1	1.1	100	500	< 7.2 U	< 0.35 U	< 0.36 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.37 U	< 0.35 U	< 0.37 U	< 0.38 U	< 0.34 U	< 0.38 U	
1,3-Dichlorobenzene	541-73-1	2.4	49	280	< 7.2 U	< 0.35 U	< 0.36 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.37 U	< 0.35 U	< 0.37 U	< 0.38 U	< 0.34 U	< 0.38 U	
1,4-Dichlorobenzene	106-46-7	1.8	13	130	< 7.2 U	< 0.35 U	< 0.36 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.37 U	< 0.35 U	< 0.37 U	< 0.38 U	< 0.34 U	< 0.38 U	
2,2'-oxybis(1-Chloropropane)	108-60-1	NL	NL	NL	< 7.2 U	< 0.35 U	< 0.36 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.37 U	< 0.35 U	< 0.37 U	< 0.38 U	< 0.34 U	< 0.38 U	
2,4,5-Trichlorophenol	95-95-4	NL	NL	NL	< 7.2 U	< 0.35 U	< 0.36 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.37 U	< 0.35 U	< 0.37 U	< 0.38 U	< 0.34 U	< 0.38 U	
2,4,6-Trichlorophenol	88-06-2	NL	NL	NL	< 7.2 U	< 0.35 U	< 0.36 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.37 U	< 0.35 U	< 0.37 U	< 0.38 U	< 0.34 U	< 0.38 U	
2,4-Dichlorophenol	120-83-2	NL	NL	NL	< 7.2 U	< 0.35 U	< 0.36 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.37 U	< 0.35 U	< 0.37 U	< 0.38 U	< 0.34 U	< 0.38 U	
2,4-Dimethylphenol	105-67-9	NL	NL	NL	< 7.2 U	< 0.35 U	< 0.36 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.37 U	< 0.35 U	< 0.37 U	< 0.38 U	< 0.34 U	< 0.38 U	
2,4-Dinitrophenol	51-28-5	NL	NL	NL	< 22 U	< 1 U	< 1.1 U	< 1.1 U	R	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	R	< 1.1 U	< 1 U	< 1.1 U	
2,4-Dinitrotoluene	121-14-2	NL	NL	NL	< 1.5 U	< 0.07 U	< 0.073 U	< 0.07 U	< 0.07 U	< 0.076 U	< 0.075 U	< 0.076 U	< 0.072 U	< 0.075 U	< 0.077 U	< 0.07 U	< 0.076 U	
2,6-Dinitrotoluene	606-20-2	NL	NL	NL	< 1.5 U	< 0.07 U	< 0.073 U	< 0.07 U	< 0.07 U	< 0.076 U	< 0.075 U	< 0.076 U	< 0.072 U	< 0.075 U	< 0.077 U	< 0.07 U	< 0.076 U	
2-Chloronaphthalene	91-58-7	NL	NL	NL	< 7.2 U	< 0.35 U	< 0.36 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.37 U	< 0.35 U	< 0.37 U	< 0.38 U	< 0.34 U	< 0.38 U	
2-Chlorophenol	95-57-8	NL	NL	NL	< 7.2 U	< 0.35 U	< 0.36 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.37 U	< 0.35 U	< 0.37 U	< 0.38 U	< 0.34 U	< 0.38 U	
2-Methylphenol	95-48-7	0.33	100	500	< 7.2 U	< 0.35 U	< 0.36 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.37 U	< 0.35 U	< 0.37 U	< 0.38 U	< 0.34 U	< 0.38 U	
2-Nitroaniline	88-74-4	NL	NL	NL	< 15 U	< 0.7 U	< 0.73 U	< 0.7 U	< 0.7 U	< 0.76 U	< 0.75 U	< 0.76 U	< 0.72 U	< 0.75 U	< 0.77 U	< 0.7 U	< 0.76 U	
2-Nitrophenol	88-75-5	NL	NL	NL	< 7.2 U	< 0.35 U	< 0.36 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.37 U	< 0.35 U	< 0.37 U	< 0.38 U	< 0.34 U	< 0.38 U	
3,3'-Dichlorobenzidine	91-94-1	NL	NL	NL	< 15 U	< 0.7 U	< 0.73 U	< 0.7 U	< 0.7 U	< 0.76 U	< 0.75 U	< 0.76 U	< 0.72 U	< 0.75 U	< 0.77 U	< 0.7 U	< 0.76 U	
3-Nitroaniline	99-09-2	NL	NL	NL	< 15 U	< 0.7 U	< 0.73 U	< 0.7 U	< 0.7 U	< 0.76 U	< 0.75 U	< 0.76 U	< 0.72 U	< 0.75 U	< 0.77 U	< 0.7 U	< 0.76 U	
4,6-Dinitro-2-methylphenol	534-52-1	NL	NL	NL	< 22 U	< 1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1 U	< 1.1 U	
4-Bromophenyl phenyl ether	101-55-3	NL	NL	NL	< 7.2 U	< 0.35 U	< 0.36 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.37 U	< 0.35 U	< 0.37 U	< 0.38 U	< 0.34 U	< 0.38 U	
4-Chloro-3-methylphenol	59-50-7	NL	NL	NL	< 7.2 U	< 0.35 U	< 0.36 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.37 U	< 0.35 U	< 0.37 U	< 0.38 U	< 0.34 U	< 0.38 U	
4-Chloroaniline	106-47-8	NL	NL	NL	< 7.2 U	< 0.35 U	< 0.36 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.37 U	< 0.35 U	< 0.37 U	< 0.38 U	< 0.34 U	< 0.38 U	
4-Chlorophenyl phenyl ether	7005-72-3	NL	NL	NL	< 7.2 U	< 0.35 U	< 0.36 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.37 U	< 0.35 U	< 0.37 U	< 0.38 U	< 0.34 U	< 0.38 U	
4-Methylphenol	106-44-5	0.33	100	500	2 J	< 0.35 U	< 0.36 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.37 U	< 0.35 U	< 0.37 U	< 0.38 U	< 0.34 U	< 0.38 U	
4-Nitroaniline	100-01-6	NL	NL	NL	< 15 U	< 0.7 U	< 0.73 U	< 0.7 U	< 0.7 U	< 0.76 U	< 0.75 U	< 0.76 U	< 0.72 U	< 0.75 U	< 0.77 U	< 0.7 U	< 0.76 U	
4-Nitrophenol	100-02-7	NL	NL	NL	< 22 U	< 1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1 U	< 1.1 U	
bis(2-Chloroethoxy)methane	111-91-1	NL	NL	NL	< 7.2 U	< 0.35 U	< 0.36 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.37 U	< 0.35 U	< 0.37 U	< 0.38 U	< 0.34 U	< 0.38 U	
bis(2-Chloroethyl) ether	111-44-4	NL	NL	NL	< 0.72 U	< 0.035 U	< 0.036 U	< 0.035 U	< 0.035 U	< 0.038 U	< 0.037 U	< 0.037 U	< 0.035 U	< 0.037 U	< 0.038 U	< 0.034 U	< 0.038 U	
bis(2-Ethylhexyl) phthalate	117-81-7	NL	NL	NL	< 7.2 U	< 0.35 U	< 0.36 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.37 U	< 0.35 U	< 0.37 U	0.13 J	< 0.34 U	< 0.38 U	
Butyl benzyl phthalate	85-68-7	NL	NL	NL	< 7.2 U	< 0.35 U	< 0.36 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.37 U	< 0.35 U	< 0.37 U	0.093 J	< 0.34 U	< 0.38 U	
Carbazole	86-74-8	NL	NL	NL	2.6 J	< 0.35 U	< 0.36 U	< 0.35 U	< 0.35 U	< 0.38 U	0.24 J	0.22 J	< 0.35 U	< 0.37 U	< 0.38 U	< 0.34 U	< 0.38 U	
Dibenzofuran	132-64-9	7	59	500	4.7 J	< 0.35 U	< 0.36 U	< 0.35 U	< 0.35 U	< 0.38 U	0.14 J	0.12 J	< 0.35 U	< 0.37 U	< 0.38 U	< 0.34 U	< 0.38 U	
Diethyl phthalate	84-66-2	NL	NL	NL	< 7.2 U	< 0.35 U	< 0.36 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.37 U	< 0.35 U	< 0.37 U	< 0.38 U	< 0.34 U	< 0.38 U	
Dimethyl phthalate	131-11-3	NL	NL	NL	< 7.2 U	< 0.35 U	< 0.36 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.37 U	< 0.35 U	< 0.37 U	< 0.38 U	< 0.34 U	< 0.38 U	
Di-n-butyl phthalate	84-74-2	NL	NL	NL	< 7.2 U	< 0.35 U	< 0.36 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.37 U	< 0.35 U	< 0.37 U	< 0.38 U	< 0.34 U	< 0.38 U	
Di-n-octyl phthalate	117-84-0	NL	NL	NL	< 7.2 U	< 0.35 U	< 0.36 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.37 U	< 0.35 U	< 0.37 U	< 0.38 U	< 0.34 U	< 0.38 U	
Hexachlorobenzene	118-74-1	0.33	1.2	6	< 0.72 U	< 0.035 U	< 0.036 U	< 0.035 U	< 0.035 U	< 0.038 U	< 0.037 U	< 0.037 U	< 0.035 U	< 0.037 U	< 0.038 U	< 0.034 U	< 0.038 U	
Hexachlorobutadiene	87-68-3	NL	NL	NL	< 1.5 U	< 0.07 U	< 0.073 U	< 0.07 U	< 0.07 U	< 0.076 U	< 0.075 U	< 0.076 U	< 0.072 U	< 0.075 U	< 0.077 U	< 0.07 U	< 0.076 U	
Hexachlorocyclopentadiene	77-47-4	NL	NL	NL	< 7.2 U	< 0.35 U	< 0.36 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.37 U	< 0.35 U	< 0.37 U	< 0.38 U	< 0.34 U	< 0.38 U	
Hexachloroethane	67-72-1	NL	NL	NL	< 0.72 U	< 0.035 U	< 0.036 U	< 0.035 U	< 0.035 U	< 0.038 U	< 0.037 U	< 0.037 U	< 0.035 U	< 0.037 U	< 0.038 U	< 0.034 U	< 0.038 U	
Isophorone	78-59-1	NL	NL	NL	< 7.2 U	< 0.35 U	< 0.36 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.37 U	< 0.35 U	< 0.37 U	< 0.38 U	< 0.34 U	< 0.38 U	
Nitrobenzene	98-95-3	NL	NL	69	< 0.72 U	< 0.035 U	< 0.036 U	< 0.035 U	< 0.035 U	< 0.038 U	< 0.037 U	< 0.037 U	< 0.035 U	< 0.037 U	< 0.038 U	< 0.034 U	< 0.038 U	
N-Nitrosodi-n-propylamine	621-64-7	NL	NL	NL	< 0.72 U	< 0.035 U	< 0.036 U	< 0.035 U	< 0.035 U	< 0.038 U	< 0.037 U	< 0.037 U	< 0.035 U	< 0.037 U	< 0.038 U	< 0.034 U	< 0.038 U	
N-Nitrosodiphenylamine	86-30-6	NL	NL	NL	< 7.2 U	< 0.35 U	< 0.36 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.37 U	< 0.35 U	< 0.37 U	< 0.38 U	< 0.34 U	< 0.38 U	
Pentachlorophenol	87-86-5	0.8	6.7	6.7	< 22 U	< 1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1 U	< 1.1 U	
Phenol	108-95-2	0.33	100	500	1.4 J	< 0.35 U	< 0.36 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.37 U	< 0.35 U	< 0.37 U	< 0.38 U	< 0.34 U	< 0.38 U	
Total SVOCs					538.7	1.607	ND	0.492	ND	ND	20.34	18.176	3.229	ND	3.055	ND	0.04	
Inorganic Compounds (mg/Kg)																		
Aluminum	7429-90-5	NL	NL	NL	3650	3300	1710	4210	2350	2010	6430	5500	3380	1840	4300	2470	1520	
Antimony	7440-36-0	NL	NL	NL	< 1.9 U	< 2 U	< 2.1 U	< 2 U	< 2 U	< 2.1 U	< 2 U	< 2.2 U	< 2 U	< 2.1 U	< 2.3 U	< 2 U	< 2.1 U	
Arsenic	7440-38-2	13	16	16	2.5	1.3	< 1.1 U	1.7	< 1.1 U	< 1 U	6.2	6.5	2.5	0.99 J	7.9	1	< 1.1 U	
Barium	7440-39-3	350	400	400	38	23.4 J	12.8 J	33.8 J	18.3 J	24.9 J	109	100	26.2 J	13.8 J	81.7	21.1 J	14.3 J	
Beryllium	7440-41-7	7.2	72	590	< 0.38 U	0.17 J	< 0.43 U	0.17 J	< 0.39 U	< 0.41 U	0.38 J	0.5	< 0.39 U	< 0.42 U	0.27 J	0.14 J	< 0.42 U	

Table 2
Summary of Analytical Results for Subsurface Soil Samples
Jamaica Gas & Light Former MGP Site
Queens, New York

Sample Location Sample Date Sample ID Sample Interval (feet) SDG	CAS #	NYSDEC Part 375-6 Unrestricted Use	NYSDEC Part 375-6 Restricted Residential Use	NYSDEC Part 375-6 Commercial Use	SB-12 2/28/2012 SB-12 (5-7.5)022812 5-7.5 460373431	SB-12 2/28/2012 SB-12 (10-12.5)022812 10-12.5 460373431	SB-12 2/28/2012 SB-12 (37.5-40)022812 37.5-40 460373431	SB-13 2/28/2012 SB-13 (2.5-5)022812 2.5-5 460373881	SB-13 2/29/2012 SB-13 (22.5-24.5)022912 22.5-24.5 460373881	SB-13 2/29/2012 SB-13 (37.5-40)022912 37.5-40 460373881	SB-14 2/27/2012 DUP-2-022712 2-5 460373431	SB-14 2/27/2012 SB-14 (2-5)022712 2-5 460373431	SB-14 2/27/2012 SB-14 (25-26.5)022712 25-26.5 460373431	SB-14 2/27/2012 SB-14 (37.5-40)022712 37.5-40 460373431	SB-15 2/28/2012 SB-15 (2.5-5)022812 2.5-5 460373881	SB-15 3/8/2012 SB-15 (25-27.5)030812 25-27.5 460377821	SB-15 3/9/2012 SB-15 (37.5-40)030912 37.5-40 460377821
PCBs (mg/Kg)																	
Aroclor 1016	12674-11-2	NL	NL	NL	< 0.073 U	< 0.07 U	< 0.073 U	< 0.071 U	< 0.071 U	< 0.076 U	< 0.075 U	< 0.076 U	< 0.072 U	< 0.075 U	< 0.076 U	< 0.07 U	< 0.076 U
Aroclor 1221	11104-28-2	NL	NL	NL	< 0.073 U	< 0.07 U	< 0.073 U	< 0.071 U	< 0.071 U	< 0.076 U	< 0.075 U	< 0.076 U	< 0.072 U	< 0.075 U	< 0.076 U	< 0.07 U	< 0.076 U
Aroclor 1232	11141-16-5	NL	NL	NL	< 0.073 U	< 0.07 U	< 0.073 U	< 0.071 U	< 0.071 U	< 0.076 U	< 0.075 U	< 0.076 U	< 0.072 U	< 0.075 U	< 0.076 U	< 0.07 U	< 0.076 U
Aroclor 1242	53469-21-9	NL	NL	NL	< 0.073 U	< 0.07 U	< 0.073 U	< 0.071 U	< 0.071 U	< 0.076 U	< 0.075 U	< 0.076 U	< 0.072 U	< 0.075 U	< 0.076 U	< 0.07 U	< 0.076 U
Aroclor 1248	12672-29-6	NL	NL	NL	< 0.073 U	< 0.07 U	< 0.073 U	< 0.071 U	< 0.071 U	< 0.076 U	< 0.075 U	< 0.076 U	< 0.072 U	< 0.075 U	< 0.076 U	< 0.07 U	< 0.076 U
Aroclor 1254	11097-69-1	NL	NL	NL	< 0.073 U	< 0.07 U	< 0.073 U	< 0.071 U	< 0.071 U	< 0.076 U	< 0.075 U	< 0.076 U	< 0.072 U	< 0.075 U	< 0.076 U	< 0.07 U	< 0.076 U
Aroclor 1260	11096-82-5	NL	NL	NL	< 0.073 U	< 0.07 U	< 0.073 U	< 0.071 U	< 0.071 U	< 0.076 U	< 0.075 U	< 0.076 U	< 0.072 U	< 0.075 U	< 0.076 U	< 0.07 U	< 0.076 U
Aroclor 1262	37324-23-5	NL	NL	NL	< 0.073 U	< 0.07 U	< 0.073 U	< 0.071 U	< 0.071 U	< 0.076 U	< 0.075 U	< 0.076 U	< 0.072 U	< 0.075 U	< 0.076 U	< 0.07 U	< 0.076 U
Aroclor 1268	11100-14-4	NL	NL	NL	< 0.073 U	< 0.07 U	< 0.073 U	< 0.071 U	< 0.071 U	< 0.076 U	< 0.075 U	< 0.076 U	< 0.072 U	< 0.075 U	< 0.076 U	< 0.07 U	< 0.076 U
Total PCBs		0.1	1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pesticides (mg/Kg)																	
Aldrin	309-00-2	0.005	0.097	0.68	< 0.0073 U	< 0.007 U	< 0.0073 U	< 0.0071 U	< 0.0071 U	< 0.0076 U	< 0.0075 U	< 0.0076 U	< 0.0072 U	< 0.0075 U	< 0.0076 U	< 0.007 U	< 0.0076 U
Alpha-BHC	319-84-6	0.02	0.48	3.4	< 0.0073 U	< 0.007 U	< 0.0073 U	< 0.0071 U	< 0.0071 U	< 0.0076 U	< 0.0075 U	< 0.0076 U	< 0.0072 U	< 0.0075 U	< 0.0076 U	< 0.007 U	< 0.0076 U
Beta-BHC	319-85-7	0.036	0.36	3	< 0.0073 U	< 0.007 U	< 0.0073 U	< 0.0071 U	< 0.0071 U	< 0.0076 U	< 0.0075 U	< 0.0076 U	< 0.0072 U	< 0.0075 U	< 0.0076 U	< 0.007 U	< 0.0076 U
Chlordane	57-74-9	NL	NL	NL	< 0.073 U	< 0.07 U	< 0.073 U	< 0.071 U	< 0.071 U	< 0.076 U	< 0.075 U	< 0.076 U	< 0.072 U	< 0.075 U	< 0.076 U	< 0.07 U	< 0.076 U
DDD,4,4-	72-54-8	0.0033	13	92	0.043 J	< 0.007 U	< 0.0073 U	< 0.0071 U	< 0.0071 U	< 0.0076 U	< 0.0075 U	< 0.0076 U	< 0.0072 U	< 0.0075 U	< 0.0076 U	< 0.007 U	< 0.0076 U
DDE,4,4-	72-55-9	0.0033	8.9	62	< 0.0073 U	< 0.007 U	< 0.0073 U	< 0.0071 U	< 0.0071 U	< 0.0076 U	< 0.0075 U	< 0.0076 U	< 0.0072 U	< 0.0075 U	< 0.0076 U	< 0.007 U	< 0.0076 U
DDT,4,4-	50-29-3	0.0033	7.9	47	< 0.0073 U	< 0.007 U	< 0.0073 U	< 0.0071 UJ	< 0.0071 UJ	< 0.0076 UJ	< 0.0075 U	< 0.0076 U	< 0.0072 U	< 0.0075 U	< 0.0076 UJ	< 0.007 U	< 0.0076 U
Delta-BHC	319-86-8	0.04	100	500	< 0.0073 U	< 0.007 U	< 0.0073 U	< 0.0071 U	< 0.0071 U	< 0.0076 U	< 0.0075 U	< 0.0076 U	< 0.0072 U	< 0.0075 U	< 0.0076 U	< 0.007 U	< 0.0076 U
Dieldrin	60-57-1	0.005	0.2	1.4	< 0.0073 U	< 0.007 U	< 0.0073 U	< 0.0071 U	< 0.0071 U	< 0.0076 U	< 0.0075 U	< 0.0076 U	< 0.0072 U	< 0.0075 U	< 0.0076 U	< 0.007 U	< 0.0076 U
Endosulfan I	959-98-8	2.4	24	200	< 0.0073 U	< 0.007 U	< 0.0073 U	< 0.0071 U	< 0.0071 U	< 0.0076 U	< 0.0075 U	< 0.0076 U	< 0.0072 U	< 0.0075 U	< 0.0076 U	< 0.007 U	< 0.0076 U
Endosulfan II	33213-65-9	2.4	24	200	< 0.0073 U	< 0.007 U	< 0.0073 U	< 0.0071 U	< 0.0071 U	< 0.0076 U	< 0.0075 U	< 0.0076 U	< 0.0072 U	< 0.0075 U	< 0.0076 U	< 0.007 U	< 0.0076 U
Endosulfan sulfate	1031-07-8	2.4	24	200	< 0.0073 U	< 0.007 U	< 0.0073 U	< 0.0071 U	< 0.0071 U	< 0.0076 U	< 0.0075 U	< 0.0076 U	< 0.0072 U	< 0.0075 U	< 0.0076 U	< 0.007 U	< 0.0076 U
Endrin	72-20-8	0.014	11	89	< 0.0073 U	< 0.007 U	< 0.0073 U	< 0.0071 U	< 0.0071 U	< 0.0076 U	< 0.0075 U	< 0.0076 U	< 0.0072 U	< 0.0075 U	< 0.0076 U	< 0.007 U	< 0.0076 U
Endrin aldehyde	7421-93-4	NL	NL	NL	0.012 NJ	< 0.007 U	< 0.0073 U	< 0.0071 U	< 0.0071 U	< 0.0076 U	< 0.0075 U	< 0.0076 U	< 0.0072 U	< 0.0075 U	< 0.0076 U	< 0.007 U	< 0.0076 U
Endrin ketone	53494-70-5	NL	NL	NL	0.11 NJ	< 0.007 U	< 0.0073 U	< 0.0071 U	< 0.0071 U	< 0.0076 U	< 0.0075 U	< 0.0076 U	< 0.0072 U	< 0.0075 U	< 0.0076 U	< 0.007 U	< 0.0076 U
Gamma BHC - Lindane	58-89-9	0.1	1.3	9.2	< 0.0073 U	< 0.007 U	< 0.0073 U	< 0.0071 U	< 0.0071 U	< 0.0076 U	< 0.0075 U	< 0.0076 U	< 0.0072 U	< 0.0075 U	< 0.0076 U	< 0.007 U	< 0.0076 U
Heptachlor	76-44-8	0.042	2.1	15	< 0.0073 U	< 0.007 U	< 0.0073 U	< 0.0071 U	< 0.0071 U	< 0.0076 U	< 0.0075 U	< 0.0076 U	< 0.0072 U	< 0.0075 U	< 0.0076 U	< 0.007 U	< 0.0076 U
Heptachlor Epoxide	1024-57-3	NL	NL	NL	< 0.0073 U	< 0.007 U	< 0.0073 U	< 0.0071 U	< 0.0071 U	< 0.0076 U	< 0.0075 U	< 0.0076 U	< 0.0072 U	< 0.0075 U	< 0.0076 U	< 0.007 U	< 0.0076 U
Methoxychlor	72-43-5	NL	NL	NL	< 0.0073 U	< 0.007 U	< 0.0073 U	< 0.0071 UJ	< 0.0071 UJ	< 0.0076 UJ	< 0.0075 U	< 0.0076 U	< 0.0072 U	< 0.0075 U	< 0.0076 UJ	< 0.007 U	< 0.0076 U
Toxaphene	8001-35-2	NL	NL	NL	< 0.073 U	< 0.07 U	< 0.073 U	< 0.071 U	< 0.071 U	< 0.076 U	< 0.075 U	< 0.076 U	< 0.072 U	< 0.075 U	< 0.076 U	< 0.07 U	< 0.076 U
Herbicides (mg/Kg)																	
2,4,5-TP (Silvex)	93-72-1	3.8	100	500	< 0.019 U	< 0.018 U	< 0.019 U	< 0.018 U	< 0.018 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.018 U	< 0.019 U	< 0.019 U	< 0.018 U	< 0.019 U
2,4-D	94-75-7	NL	NL	NL	< 0.019 U	< 0.018 U	< 0.019 U	< 0.018 U	< 0.018 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.018 U	< 0.019 U	< 0.019 U	< 0.018 U	< 0.019 U
T,2,4,5-	93-76-5	NL	NL	NL	< 0.019 U	< 0.018 U	< 0.019 U	< 0.018 U	< 0.018 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.018 U	< 0.019 U	< 0.019 U	< 0.018 U	< 0.019 U
Cyanide (mg/Kg)																	
Total Cyanide	57-12-5	27	27	27	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cyanide, Free	57-12-5-FREE	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Available cyanide	57-12-5-A	NL	NL	NL	< 0.044 U	< 0.042 U	< 0.044 U	< 0.042 U	< 0.042 U	< 0.045 U	< 0.045 U	< 0.046 U	< 0.043 U	< 0.045 U	< 0.046 U	< 0.042 U	< 0.046 U

Notes:

Exceedance of the NYSDEC Part 375-6.8(b) Unrestricted Use Soil Cleanup Objective value.

Exceedance of the NYSDEC Part 375-6.8(b) Restricted Residential Use Soil Cleanup Objective value.

Exceedance of the NYSDEC Part 375-6.8(b) Commercial Use Soil Cleanup Objective value.

ND = calculated totals are not detected

NL = Not Listed

mg/Kg = milligram per kilogram

Bold indicates compound was detected

U = Nondetected result. The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet the quality control criteria. The presence of absence of the analyte cannot be verified.

Table 2
Summary of Analytical Results for Subsurface Soil Samples
Jamaica Gas & Light Former MGP Site
Queens, New York

Sample Location Sample Date Sample ID Sample Interval (feet) SDG	CAS #	NYSDEC Part 375-6 Unrestricted Use	NYSDEC Part 375-6 Restricted Residential Use	NYSDEC Part 375-6 Commercial Use	SB-16 11/18/2013 SB-16(4-5)111613 4-5 460-66844	SB-16 11/18/2013 SB-16 (5-10)111813 5-10 460-66844	SB-16 11/18/2013 SB-16 (37.5-40)111813 37.5-40 460-66844	SB-16 11/18/2013 DUP-03-111813 37.5-40 460-66844	SB-17 11/18/2013 SB-17(2-5)111613 2-5 460-66844	SB-17 11/18/2013 SB-17 (5-10)111813 5-10 460-66844	SB-17 11/18/2013 SB-17 (10-15)111813 10-15 460-66844	SB-17 11/18/2013 SB-17 (37.5-40)111813 37.5-40 460-66844	SB-18 11/16/2013 SB-18(2-5)111613 2-5 460-66844	SB-18 11/19/2013 SB-18 (15-17.5)111913 15-17.5 460-66844	SB-18 11/19/2013 SB-18 (37.5-40)111913 37.5-40 460-66844	SB-19 11/12/2013 SB-19 (2-5)111213 2-5 460-66163	SB-19 11/12/2013 SB-19 (10-15)111213 10-15 460-66163
BTEX (mg/kg)																	
Benzene	71-43-2	0.06	4.8	44	< 0.00044 U	< 0.00064 U	< 0.00052 U	< 0.00039 U	< 0.00049 U	0.00013 J	< 0.00037 U	< 0.0004 U	< 0.00043 U	< 0.00039 U	< 0.0004 U	< 0.00065 U	0.00013 J
Ethylbenzene	100-41-4	1	41	390	< 0.00044 U	< 0.00064 U	< 0.00052 U	< 0.00039 U	< 0.00049 U	< 0.0004 U	< 0.00037 U	< 0.0004 U	< 0.00043 U	< 0.00039 U	< 0.0004 U	< 0.00065 UJ	< 0.00059 U
Toluene	108-88-3	0.7	100	500	0.00018 J	< 0.00064 U	< 0.00052 U	< 0.00039 U	0.00015 J	0.00034 J	0.00014 J	0.00013 J	0.00013 J	0.00016 J	0.00019 J	0.00023 J	0.00034 J
Xylenes (total)	1330-20-7	0.26	100	500	< 0.0013 U	< 0.0019 U	< 0.0015 U	< 0.0012 U	< 0.0015 U	< 0.0012 U	< 0.0011 U	< 0.0012 U	< 0.0013 U	< 0.0012 U	< 0.0012 U	< 0.0019 UJ	< 0.0018 U
Total BTEX					0.00018	ND	ND	ND	0.00015	0.00047	0.00014	0.00013	0.0001	0.00016	0.00019	0.00023	0.00047
Volatile Organic Compounds (VOCs)(mg/Kg)																	
1,1,1-Trichloroethane	71-55-6	0.68	100	500	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1,2,2-Tetrachloroethane	79-34-5	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1,2-Trichloroethane	79-00-5	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1-Dichloroethane	75-34-3	0.27	26	240	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1-Dichloroethene	75-35-4	0.33	100	500	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloroethane	107-06-2	0.02	3.1	30	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	78-87-5	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Butanone	78-93-3	0.12	100	500	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Hexanone	591-78-6	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Methyl-2-pentanone	108-10-1	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acetone	67-64-1	0.05	100	500	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Bromodichloromethane	75-27-4	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Bromoform	75-25-2	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Bromomethane	74-83-9	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbon disulfide	75-15-0	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbon tetrachloride	56-23-5	0.76	2.4	22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chlorobenzene	108-90-7	1.1	100	500	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloroethane	75-00-3	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloroform	67-66-3	0.37	49	350	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloromethane	74-87-3	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
cis-1,2-Dichloroethene	156-59-2	0.25	100	500	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
cis-1,3-Dichloropropene	10061-01-5	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibromochloromethane	124-48-1	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methylene chloride	75-09-2	0.05	100	500	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Styrene	100-42-5	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Tetrachloroethene	127-18-4	1.3	19	150	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
trans-1,2-Dichloroethene	156-60-5	0.19	100	500	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
trans-1,3-Dichloropropene	10061-02-6	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trichloroethene	79-01-6	0.47	21	200	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vinyl chloride	75-01-4	0.02	0.9	13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total VOCs					0.00018	ND	ND	ND	0.00015	0.00047	0.00014	0.00013	0.0001	0.00016	0.00019	0.00023	0.00047
Polynuclear Aromatic Hydrocarbons (PAHs) (mg/Kg)																	
2-Methylnaphthalene	91-57-6	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acenaphthene	83-32-9	20	100	500	< 0.34 U	1.9 J	< 0.38 U	< 0.36 U	< 0.36 U	< 0.74 U	< 0.35 U	< 0.38 U	< 0.34 U	< 0.34 U	< 0.37 U	< 0.34 U	< 0.34 U
Acenaphthylene	208-96-8	100	100	500	< 0.34 U	11	< 0.38 U	< 0.36 U	0.73	0.7 J	0.7	< 0.38 U	< 0.34 U	< 0.34 U	< 0.37 U	< 0.34 U	0.078 J
Anthracene	120-12-7	100	100	500	< 0.34 U	11	< 0.38 U	< 0.36 U	0.075 J	0.16 J	0.094 J	< 0.38 U	< 0.34 U	< 0.34 U	< 0.37 U	< 0.34 U	0.13 J
Benzo(a)anthracene	56-55-3	1	1	5.6	0.15	20	< 0.038 U	< 0.036 U	< 0.036 U	1.4	< 0.035 U	< 0.038 U	< 0.034 U	0.062	< 0.037 U	0.19	0.92
Benzo(a)pyrene	50-32-8	1	1	1	0.41 J	23	< 0.038 U	< 0.036 U	7.1 J	4.7	5.8	< 0.038 U	< 0.034 U	0.089	< 0.037 U	0.16 J	0.94 J
Benzo(b)fluoranthene	205-99-2	1	1	5.6	0.53	26	< 0.038 U	< 0.036 U	5.1	4.7	3.9 J	< 0.038 U	< 0.034 U	0.11	< 0.037 U	0.21	1
Benzo(ghi)perylene	191-24-2	100	100	500	0.21 J	9.5	< 0.38 U	< 0.36 U	6.5	3.8	5.6 J	< 0.38 U	< 0.34 U	0.056 J	< 0.37 U	0.092 J	0.74
Benzo(k)fluoranthene	207-08-9	0.8	3.9	56	0.2	11	< 0.038 U	< 0.036 U	1	1.4	1.2	< 0.038 U	< 0.034 U	0.041	< 0.037 U	0.087	0.48
Chrysene	218-01-9	1	3.9	56	0.18 J	19	< 0.38 U	< 0.36 U	0.51	1.5	< 0.35 U	< 0.38 U	< 0.34 U	0.048 J	< 0.37 U	0.18 J	0.97
Dibenz(a,h)anthracene	53-70-3	0.33	0.33	0.56	0.096	3.7	< 0.038 U	< 0.036 U	0.6	0.48	0.52	< 0.038 U	< 0.034 U	< 0.034 U	< 0.037 U	0.026 J	0.17
Fluoranthene	206-44-0	100	100	500	0.075 J	35	< 0.38 U	< 0.36 U	0.13 J	1.8	0.33 J	< 0.38 U	< 0.34 U	0.07 J	< 0.37 U	0.2 J	1.3
Fluorene	86-73-7	30	100	500	< 0.34 U	11	< 0.38 U	< 0.36 U	< 0.36 U	< 0.74 U	< 0.35 U	< 0.38 U	< 0.34 U	< 0.34 U	< 0.37 U	< 0.34 U	0.046 J
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	0.5	5.6	0.25	12	< 0.038 U	< 0.036 U	5.5	3.5	5	< 0.038 U	< 0.034 U	0.059	< 0.037 U	0.083	0.81
Naphthalene	91-20-3	12	100	500	< 0.34 U	19	< 0.38 U	< 0.36 U	< 0.36 U	0.51 J	< 0.35 U	< 0.38 U	< 0.34 U	< 0.34 U	< 0.37 U	< 0.34 U	< 0.34 U
Phenanthrene	85-01-8	100	100	500	< 0.34 U	39	< 0.38 U	< 0.36 U	< 0.36 U	0.8	0.052 J	< 0.38 U	< 0.34 U	0.067 J	< 0.37 U	0.091 J	0.66
Pyrene	129-00-0	100	100	500	< 0.34 U	34	< 0.38 U	< 0.36 U	< 0.36 U	2.8	0.62	< 0.38 U	< 0.34 U	0.11 J	< 0.37 U	0.21 J	1.4
Total PAHs					2.101	286.1	ND	ND	27.245	28.25	23.816	ND	ND	0.712	ND	1.529	9.644

Notes:

Exceedance of the NYSDEC Part 375-6.8(b) Unrestricted Use Soil Cleanup Objective value.

Exceedance of the NYSDEC Part 375-6.8(b) Restricted Residential Use Soil Cleanup Objective value.

Exceedance of the NYSDEC Part 375-6.8(b) Commercial Use Soil Cleanup Objective value.

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Table 2
Summary of Analytical Results for Subsurface Soil Samples
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Queens, New York

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Other Semi Volatile Organic Compounds (SVOC) (mg/Kg)																	
1,2,4-Trichlorobenzene	120-82-1	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	95-50-1	1.1	100	500	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	541-73-1	2.4	49	280	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	106-46-7	1.8	13	130	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,2'-oxybis(1-Chloropropane)	108-60-1	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	95-95-4	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,6-Trichlorophenol	88-06-2	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dichlorophenol	120-83-2	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dimethylphenol	105-67-9	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dinitrophenol	51-28-5	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dinitrotoluene	121-14-2	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,6-Dinitrotoluene	606-20-2	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Chloronaphthalene	91-58-7	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Chlorophenol	95-57-8	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Methylphenol	95-48-7	0.33	100	500	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Nitroaniline	88-74-4	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Nitrophenol	88-75-5	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
3,3'-Dichlorobenzidine	91-94-1	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
3-Nitroaniline	99-09-2	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4,6-Dinitro-2-methylphenol	534-52-1	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Bromophenyl phenyl ether	101-55-3	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Chloro-3-methylphenol	59-50-7	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Chloroaniline	106-47-8	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Chlorophenyl phenyl ether	7005-72-3	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Methylphenol	106-44-5	0.33	100	500	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Nitroaniline	100-01-6	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Nitrophenol	100-02-7	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
bis(2-Chloroethoxy)methane	111-91-1	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
bis(2-Chloroethyl) ether	111-44-4	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
bis(2-Ethylhexyl) phthalate	117-81-7	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Butyl benzyl phthalate	85-68-7	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbazole	86-74-8	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibenzofuran	132-64-9	7	59	500	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Diethyl phthalate	84-66-2	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dimethyl phthalate	131-11-3	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Di-n-butyl phthalate	84-74-2	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Di-n-octyl phthalate	117-84-0	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hexachlorobenzene	118-74-1	0.33	1.2	6	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hexachlorobutadiene	87-68-3	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hexachlorocyclopentadiene	77-47-4	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hexachloroethane	67-72-1	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Isophorone	78-59-1	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nitrobenzene	98-95-3	NL	NL	69	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
N-Nitrosodi-n-propylamine	621-64-7	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
N-Nitrosodiphenylamine	86-30-6	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pentachlorophenol	87-86-5	0.8	6.7	6.7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenol	108-95-2	0.33	100	500	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total SVOCs					2.101	286.1	ND	ND	27.245	28.25	23.816	ND	ND	0.712	ND	1.529	9.644
Inorganic Compounds (mg/Kg)																	
Aluminum	7429-90-5	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Antimony	7440-36-0	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Arsenic	7440-38-2	13	16	16	2.9	3.6	< 3.3 U	< 3.2 U	2.3 J	2.9 J	1.9 J	< 3.2 U	0.89 J	< 2.8 U	< 3.4 U	2.8 J	1.4 J
Barium	7440-39-3	350	400	400	49.7	50.6	34.5 J	52.6	42.8	71.6	31.3 J	21.1 J	24.2 J	18 J	21 J	27.1 J	33.1 J
Beryllium	7440-41-7	7.2	72	590	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	7440-43-9	2.5	4.3	9.3	< 0.74 U	0.3 J	< 0.89 U	< 0.84 U	< 0.8 U	< 0.83 U	< 0.81 U	< 0.86 U	< 0.78 U	< 0.76 U	< 0.91 U	< 0.77 U	< 0.77 U
Calcium	7440-70-2	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	7440-47-3	30	180	1,500	12.2 J	15.4 J	7.8 J	7.7 J	17.7 J	16.2 J	12.6 J	7.7 J	12.4 J	10 J	5.9 J	21.5 J	13.7 J
Cobalt	7440-48-4	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	7440-50-8	50	270	270	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Iron	7439-89-6	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	7439-92-1	63	400	1,000	15.5	74.2	< 2.2 U	1.6 J	55	106	4.9	1.6 J	3.6	2.4	1.3 J	23.9 J	26.9 J
Magnesium	7439-95-4	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Manganese	7439-96-5	1,600	2,000	10,000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	7439-97-6	0.18	0.81	2.8	0.025 J	0.12 J	< 0.019 UJ	< 0.017 UJ	0.03 J	0.79 J	0.035 J	< 0.02 UJ	< 0.017 UJ	< 0.017 UJ	< 0.019 UJ	0.036	0.07
Nickel	7440-02-0	30	310	310	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Potassium	7440-09-7	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Selenium	7782-49-2	3.9	180	1,500	< 3.7 U	< 4.3 U	< 4.4 U	< 4.2 U	< 4 U	< 4.2 U	< 4.1 U	< 4.3 U	< 3.9 U	< 3.8 U	< 4.5 U	< 3.9 U	< 3.8 U
Silver	7440-22-4	2	180	1,500	< 1.9 U	< 2.1 U	< 2.2 U	< 2.1 U	< 2 U	< 2.1 U	< 2 U	< 2.1 U	< 1.9 U	< 1.9 U	< 2.3 U	< 1.9 U	< 1.9 U
Sodium	7440-23-5	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Thallium	7440-28-0	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	7440-62-2	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	7440-66-6	109	10,000	10,000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes:

Exceedance of the NYSDEC Part 375-6.8(b) Unrestricted Use Soil Cleanup Objective value.

Exceedance of the NYSDEC Part 375-6.8(b) Restricted Residential Use Soil Cleanup Objective value.

Exceedance of the NYSDEC Part 375-6.8(b) Commercial Use Soil Cleanup Objective value.

ND = calculated totals are not detected

NL = Not Listed

mg/Kg = milligram per kilogram

Bold indicates compound was detected

U = Nondetected result. The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

NS = The analyte was not detected above the reported sample quantitation limit. The presence of absence of the analyte cannot be verified.

Table 2
Summary of Analytical Results for Subsurface Soil Samples
Jamaica Gas & Light Former MGP Site
Queens, New York

Sample Location Sample Date Sample ID Sample Interval (feet) SDG	CAS #	NYSDEC Part 375-6 Unrestricted Use	NYSDEC Part 375-6 Restricted Residential Use	NYSDEC Part 375-6 Commercial Use	SB-16 11/16/2013 SB-16(4-5)111613 4-5 460-66844	SB-16 11/18/2013 SB-16 (5-10)111813 5-10 460-66844	SB-16 11/18/2013 SB-16 (37.5-40)111813 37.5-40 460-66844	SB-16 11/18/2013 DUP-03-111813 37.5-40 460-66844	SB-17 11/16/2013 SB-17(2-5)111613 2-5 460-66844	SB-17 11/18/2013 SB-17 (5-10)111813 5-10 460-66844	SB-17 11/18/2013 SB-17 (10-15)111813 10-15 460-66844	SB-17 11/16/2013 SB-17 (37.5-40)111813 37.5-40 460-66844	SB-18 11/16/2013 SB-18(2-5)111613 2-5 460-66844	SB-18 11/19/2013 SB-18 (15-17.5)111913 15-17.5 460-66844	SB-18 11/19/2013 SB-18 (37.5-40)111913 37.5-40 460-66844	SB-19 11/12/2013 SB-19 (2-5)111213 2-5 460-66163	SB-19 11/12/2013 SB-19 (10-15)111213 10-15 460-66163
PCBs (mg/Kg)																	
Aroclor 1016	12674-11-2	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor 1221	11104-28-2	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor 1232	11141-16-5	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor 1242	53469-21-9	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor 1248	12672-29-6	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor 1254	11097-69-1	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor 1260	11096-82-5	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor 1262	37324-23-5	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor 1268	11100-14-4	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total PCBs		0.1	1	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pesticides (mg/Kg)																	
Aldrin	309-00-2	0.005	0.097	0.68	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Alpha-BHC	319-84-6	0.02	0.48	3.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Beta-BHC	319-85-7	0.036	0.36	3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chlordane	57-74-9	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
DDD,4,4-	72-54-8	0.0033	13	92	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
DDE,4,4-	72-55-9	0.0033	8.9	62	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
DDT,4,4-	50-29-3	0.0033	7.9	47	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Delta-BHC	319-86-8	0.04	100	500	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dieldrin	60-57-1	0.005	0.2	1.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Endosulfan I	959-98-8	2.4	24	200	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Endosulfan II	33213-65-9	2.4	24	200	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Endosulfan sulfate	1031-07-8	2.4	24	200	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Endrin	72-20-8	0.014	11	89	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Endrin aldehyde	7421-93-4	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Endrin ketone	53494-70-5	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Gamma BHC - Lindane	58-89-9	0.1	1.3	9.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Heptachlor	76-44-8	0.042	2.1	15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Heptachlor Epoxide	1024-57-3	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methoxychlor	72-43-5	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Toxaphene	8001-35-2	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Herbicides (mg/Kg)																	
2,4,5-TP (Silvex)	93-72-1	3.8	100	500	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-D	94-75-7	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
T,2,4,5-	93-76-5	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cyanide (mg/Kg)																	
Total Cyanide	57-12-5	27	27	27	0.99	0.66	< 0.11 U	< 0.11 U	0.51	0.41	< 0.11 U	< 0.12 U	< 0.1 U	0.31	< 0.11 U	0.16	0.08 J
Cyanide, Free	57-12-5-FREE	NL	NL	NL	R	< 2.2 U	< 2.4 U	< 2.3 U	R	< 2.3 U	< 2.3 U	< 2.4 U	R	1.4 J	< 0.43 J	< 2.2 U	30.6 J
Available cyanide	57-12-5-A	NL	NL	NL	< 0.042 UJ	< 0.043 UJ	< 0.046 UJ	< 0.044 UJ	< 0.044 UJ	< 0.045 UJ	< 0.043 UJ	< 0.046 UJ	< 0.042 UJ	< 0.042 UJ	< 0.045 UJ	< 0.041 UJ	< 0.042 UJ

Notes:

Exceedance of the NYSDEC Part 375-6.8(b) Unrestricted Use Soil Cleanup Objective value.

Exceedance of the NYSDEC Part 375-6.8(b) Restricted Residential Use Soil Cleanup Objective value.

Exceedance of the NYSDEC Part 375-6.8(b) Commercial Use Soil Cleanup Objective value.

ND = calculated totals are not detected

NL = Not Listed

mg/Kg = milligram per kilogram

Bold indicates compound was detected

U = Nondetected result. The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet the quality control criteria. The presence of absence of the analyte cannot be verified.

Table 2
Summary of Analytical Results for Subsurface Soil Samples
Jamaica Gas & Light Former MGP Site
Queens, New York

Sample Location Sample Date Sample ID Sample Interval (feet) SDG	CAS #	NYSDEC Part 375-6 Unrestricted Use	NYSDEC Part 375-6 Restricted Residential Use	NYSDEC Part 375-6 Commercial Use	SB-19 11/12/2013 SB-19 (37.5-40)111213 37.5-40 460-66163	SB-20 11/12/2013 SB-20 (2-5)111213 2-5 460-66163	SB-20 11/12/2013 DUP-01-111213 2-5 460-66163	SB-20 11/12/2013 SB-20 (12.5-15)111213 12.5-15 460-66163	SB-20 11/12/2013 SB-20 (17.5-20)111213 17.5-20 460-66163	SB-21 11/9/2013 SB-21 (1-5)110913 1-5 460-66163	SB-21 11/9/2013 SB-21 (5-10)110913 5-10 460-66163	SB-21 11/9/2013 SB-21 (10-15)110913 10-15 460-66163	SB-21 11/9/2013 SB-21 (35-40)110913 35-40 460-66163	SB-22 11/9/2013 SB-22 (1-5)110913 1-5 460-66163	SB-22 11/10/2013 SB-22 (5-10)111013 5-10 460-66163	SB-22 11/10/2013 SB-22 (10-15)111013 10-15 460-66163	SB-22 11/11/2013 SB-22 (35-40)111113 35-40 460-66163
BTEX (mg/kg)																	
Benzene	71-43-2	0.06	4.8	44	< 0.00049 U	0.47	0.42	0.9	0.0076	< 0.0011 U	0.00019 J	< 0.00098 U	< 0.00054 U	< 0.0011 U	0.00046 J	< 0.00051 U	< 0.00038 U
Ethylbenzene	100-41-4	1	41	390	< 0.00049 U	0.13	0.14	0.26	0.0013	< 0.0011 U	< 0.0012 U	< 0.00098 U	< 0.00054 U	< 0.0011 U	0.00018 J	< 0.00051 U	< 0.00038 U
Toluene	108-88-3	0.7	100	500	0.00027 J	1.1	1	1.9	0.011	< 0.0011 U	0.00078 J	0.00042 J	0.00019 J	< 0.0011 U	0.0011	0.00028 J	0.00015 J
Xylenes (total)	1330-20-7	0.26	100	500	< 0.0015 U	1.2	1.2	3.2	0.016	< 0.0033 U	< 0.0035 U	< 0.0029 U	< 0.0016 U	< 0.0033 U	0.0022 J	0.00051 J	< 0.0011 U
Total BTEX					0.00027	2.9	2.76	6.26	0.0359	ND	0.00097	0.00042	0.00019	ND	0.00394	0.00079	0.00015
Volatile Organic Compounds (VOCs)(mg/Kg)																	
1,1,1-Trichloroethane	71-55-6	0.68	100	500	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1,2,2-Tetrachloroethane	79-34-5	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1,2-Trichloroethane	79-00-5	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1-Dichloroethane	75-34-3	0.27	26	240	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1-Dichloroethene	75-35-4	0.33	100	500	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloroethane	107-06-2	0.02	3.1	30	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	78-87-5	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Butanone	78-93-3	0.12	100	500	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Hexanone	591-78-6	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Methyl-2-pentanone	108-10-1	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acetone	67-64-1	0.05	100	500	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Bromodichloromethane	75-27-4	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Bromoform	75-25-2	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Bromomethane	74-83-9	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbon disulfide	75-15-0	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbon tetrachloride	56-23-5	0.76	2.4	22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chlorobenzene	108-90-7	1.1	100	500	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloroethane	75-00-3	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloroform	67-66-3	0.37	49	350	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloromethane	74-87-3	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
cis-1,2-Dichloroethene	156-59-2	0.25	100	500	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
cis-1,3-Dichloropropene	10061-01-5	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibromochloromethane	124-48-1	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methylene chloride	75-09-2	0.05	100	500	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Styrene	100-42-5	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Tetrachloroethene	127-18-4	1.3	19	150	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
trans-1,2-Dichloroethene	156-60-5	0.19	100	500	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
trans-1,3-Dichloropropene	10061-02-6	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trichloroethene	79-01-6	0.47	21	200	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vinyl chloride	75-01-4	0.02	0.9	13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total VOCs					0.00027	2.9	2.76	6.26	0.0359	ND	0.00097	0.00042	0.00019	ND	0.00394	0.00079	0.00015
Polynuclear Aromatic Hydrocarbons (PAHs) (mg/Kg)																	
2-Methylnaphthalene	91-57-6	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acenaphthene	83-32-9	20	100	500	< 0.37 U	0.087 J	0.071 J	< 2 U	< 6.9 U	< 0.36 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.37 U	0.15 J	< 0.35 U	< 0.36 U
Acenaphthylene	208-96-8	100	100	500	< 0.37 U	0.56	0.66	1.6 J	2.2 J	0.24 J	< 0.36 U	< 0.34 U	< 0.36 U	< 0.37 U	< 0.36 U	< 0.35 U	< 0.36 U
Anthracene	120-12-7	100	100	500	< 0.37 U	0.98	1.2	7.4	12	0.28 J	< 0.36 U	< 0.34 U	< 0.36 U	< 0.37 U	0.33 J	< 0.35 U	< 0.36 U
Benzo(a)anthracene	56-55-3	1	1	5.6	0.034 J	5.6	6.8	17	52	0.51	0.19	< 0.034 U	< 0.036 U	0.15	2	< 0.035 U	< 0.036 U
Benzo(a)pyrene	50-32-8	1	1	1	0.024 J	5.4 J	7 J	15 J	50 J	1.4 J	0.25 J	< 0.034 U	< 0.036 U	0.2 J	2.1 J	< 0.035 U	< 0.036 U
Benzo(b)fluoranthene	205-99-2	1	1	5.6	< 0.037 U	6.1	7.7	15	59	1.5 J	0.24	< 0.034 U	< 0.036 U	0.26 J	2.1	< 0.035 U	< 0.036 U
Benzo(ghi)perylene	191-24-2	100	100	500	< 0.37 U	3.6	4.5	9.7	30	1.1	0.24 J	< 0.34 U	< 0.36 U	0.13 J	1.4	< 0.35 U	< 0.36 U
Benzo(k)fluoranthene	207-08-9	0.8	3.9	56	< 0.037 U	2.9	3.5	6.5	22	0.56	0.11	< 0.034 U	< 0.036 U	0.13	0.96	< 0.035 U	< 0.036 U
Chrysene	218-01-9	1	3.9	56	< 0.37 U	5.5	6.2	16	50	0.57	0.19 J	< 0.34 U	< 0.36 U	0.17 J	2.1	< 0.35 U	< 0.36 U
Dibenz(a,h)anthracene	53-70-3	0.33	0.33	0.56	< 0.037 U	1.6	2.2	3.7	10	0.15	0.055	< 0.034 U	< 0.036 U	0.035 J	0.42	< 0.035 U	< 0.036 U
Fluoranthene	206-44-0	100	100	500	< 0.37 U	7	7.9	28	69	0.88	0.25 J	0.055 J	< 0.36 U	0.3 J	4.1	< 0.35 U	< 0.36 U
Fluorene	86-73-7	30	100	500	< 0.37 U	0.39	0.39	1.3 J	2.1 J	0.075 J	< 0.36 U	< 0.34 U	< 0.36 U	< 0.37 U	0.096 J	< 0.35 U	< 0.36 U
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	0.5	5.6	< 0.01 J	4.9	6.2	13	36	0.76	0.22	< 0.034 U	< 0.036 U	0.15	1.7	< 0.035 U	< 0.036 U
Naphthalene	91-20-3	12	100	500	< 0.37 U	0.4	0.54	3.3	< 6.9 U	< 0.36 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.37 U	0.26 J	< 0.35 U	< 0.36 U
Phenanthrene	85-01-8	100	100	500	< 0.37 U	3.1	3.3	11	21	0.59	0.14 J	0.05 J	< 0.36 U	0.13 J	1.4	< 0.35 U	< 0.36 U
Pyrene	129-00-0	100	100	500	0.036 J	4.7	5.1	17	65	0.8 J	0.39 J	0.063 J	< 0.36 U	0.26 J	2.7	< 0.35 U	< 0.36 U
Total PAHs					0.104	52.817	63.261	165.5	480.3	9.415	2.275	0.168	ND	1.915	21.816	ND	ND

Notes:

Exceedance of the NYSDEC Part 375-6.8(b) Unrestricted Use Soil Cleanup Objective value.

Exceedance of the NYSDEC Part 375-6.8(b) Restricted Residential Use Soil Cleanup Objective value.

Exceedance of the NYSDEC Part 375-6.8(b) Commercial Use Soil Cleanup Objective value.

ND = calculated totals are not detected

NL = Not Listed

mg/Kg = milligram per kilogram

Bold indicates compound was detected

U = Nondetected result. The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet the quality control criteria. The presence of absence of the analyte cannot be verified.

Table 2
Summary of Analytical Results for Subsurface Soil Samples
Jamaica Gas & Light Former MGP Site
Queens, New York

Sample Location Sample Date Sample ID Sample Interval (feet) SDG	CAS #	NYSDEC Part 375-6 Unrestricted Use	NYSDEC Part 375-6 Restricted Residential Use	NYSDEC Part 375-6 Commercial Use	SB-19 11/12/2013 SB-19 (37.5-40)111213 37.5-40 460-66163	SB-20 11/12/2013 SB-20 (2-5)111213 2-5 460-66163	SB-20 11/12/2013 DUP-01-111213 2-5 460-66163	SB-20 11/12/2013 SB-20 (12.5-15)111213 12.5-15 460-66163	SB-20 11/12/2013 SB-20 (17.5-20)111213 17.5-20 460-66163	SB-21 11/9/2013 SB-21 (1-5)110913 1-5 460-66163	SB-21 11/9/2013 SB-21 (5-10)110913 5-10 460-66163	SB-21 11/9/2013 SB-21 (10-15)110913 10-15 460-66163	SB-21 11/9/2013 SB-21 (35-40)110913 35-40 460-66163	SB-22 11/9/2013 SB-22 (1-5)110913 1-5 460-66163	SB-22 11/10/2013 SB-22 (5-10)111013 5-10 460-66163	SB-22 11/10/2013 SB-22 (10-15)111013 10-15 460-66163	SB-22 11/11/2013 SB-22 (35-40)111113 35-40 460-66163
Other Semi Volatile Organic Compounds (SVOC) (mg/Kg)																	
1,2,4-Trichlorobenzene	120-82-1	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	95-50-1	1.1	100	500	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	541-73-1	2.4	49	280	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	106-46-7	1.8	13	130	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,2'-oxybis(1-Chloropropane)	108-60-1	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	95-95-4	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,6-Trichlorophenol	88-06-2	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dichlorophenol	120-83-2	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dimethylphenol	105-67-9	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dinitrophenol	51-28-5	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dinitrotoluene	121-14-2	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,6-Dinitrotoluene	606-20-2	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Chloronaphthalene	91-58-7	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Chlorophenol	95-57-8	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Methylphenol	95-48-7	0.33	100	500	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Nitroaniline	88-74-4	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Nitrophenol	88-75-5	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
3,3'-Dichlorobenzidine	91-94-1	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
3-Nitroaniline	99-09-2	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4,6-Dinitro-2-methylphenol	534-52-1	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Bromophenyl phenyl ether	101-55-3	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Chloro-3-methylphenol	59-50-7	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Chloroaniline	106-47-8	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Chlorophenyl phenyl ether	7005-72-3	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Methylphenol	106-44-5	0.33	100	500	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Nitroaniline	100-01-6	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Nitrophenol	100-02-7	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
bis(2-Chloroethoxy)methane	111-91-1	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
bis(2-Chloroethyl) ether	111-44-4	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
bis(2-Ethylhexyl) phthalate	117-81-7	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Butyl benzyl phthalate	85-68-7	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbazole	86-74-8	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibenzofuran	132-64-9	7	59	500	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Diethyl phthalate	84-66-2	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dimethyl phthalate	131-11-3	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Di-n-butyl phthalate	84-74-2	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Di-n-octyl phthalate	117-84-0	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hexachlorobenzene	118-74-1	0.33	1.2	6	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hexachlorobutadiene	87-68-3	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hexachlorocyclopentadiene	77-47-4	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hexachloroethane	67-72-1	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Isophorone	78-59-1	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nitrobenzene	98-95-3	NL	NL	69	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
N-Nitrosodi-n-propylamine	621-64-7	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
N-Nitrosodiphenylamine	86-30-6	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pentachlorophenol	87-86-5	0.8	6.7	6.7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenol	108-95-2	0.33	100	500	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total SVOCs					0.104	52.817	63.261	165.5	480.3	9.415	2.275	0.168	ND	1.915	21.816	ND	ND
Inorganic Compounds (mg/Kg)																	
Aluminum	7429-90-5	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Antimony	7440-36-0	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Arsenic	7440-38-2	13	16	16	< 3 U	3.7	4.2	3.9	2.7 J	5.7	3	2.2 J	< 3.2 U	3.7	11.4	1 J	< 3.1 U
Barium	7440-39-3	350	400	400	13.3 J	78.7	81.8	52.1	39.6	119	101	24.8 J	16.9 J	57.6	184	22.9 J	14.5 J
Beryllium	7440-41-7	7.2	72	590	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	7440-43-9	2.5	4.3	9.3	< 0.8 U	< 0.82 U	< 0.79 U	< 0.83 U	< 0.76 U	0.15 J	0.27 J	< 0.76 U	< 0.84 U	< 0.82 U	0.16 J	< 0.79 U	< 0.83 U
Calcium	7440-70-2	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	7440-47-3	30	180	1,500	5.7 J	18.3 J	14.2 J	11.6 J	24.6 J	21	17.4	9.4	5.4	14.9	18.5	12.9	6.5
Cobalt	7440-48-4	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	7440-50-8	50	270	270	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Iron	7439-89-6	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	7439-92-1	63	400	1,000	1.5 J	100 J	165 J	18.7 J	23.4 J	188 J	142	22.3	1.4 J	73.9 J	167	32.2	1.8 J
Magnesium	7439-95-4	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Manganese	7439-96-5	1,600	2,000	10,000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	7439-97-6	0.18	0.81	2.8	< 0.018 U	0.22	0.3	0.26	0.088	0.36	0.27	0.019 J	< 0.017 U	0.11	0.26	0.013 J	< 0.018 U
Nickel	7440-02-0	30	310	310	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Potassium	7440-09-7	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Selenium	7782-49-2	3.9	180	1,500	< 4 U	< 4.1 U	< 3.9 U	< 4.1 U	< 3.8 U	< 3.8 U	< 4 U	< 3.8 U	< 4.2 U	< 4.1 U	< 4.2 U	< 4 U	< 4.2 U
Silver	7440-22-4	2	180	1,500	< 2 U	< 2 U	< 2 U	< 2.1 U	< 1.9 U	< 1.9 U	< 2 U	< 1.9 U	< 2.1 U	< 2.1 U	< 2.1 U	< 2 U	< 2.1 U
Sodium	7440-23-5	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Thallium	7440-28-0	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	7440-62-2	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	7440-66-6	109	10,000	10,000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes:

Exceedance of the NYSDEC Part 375-6.8(b) Unrestricted Use Soil Cleanup Objective value.

Exceedance of the NYSDEC Part 375-6.8(b) Restricted Residential Use Soil Cleanup Objective value.

Exceedance of the NYSDEC Part 375-6.8(b) Commercial Use Soil Cleanup Objective value.

ND = calculated totals are not detected

NL = Not Listed

mg/Kg = milligram per kilogram

Bold indicates compound was detected

U = Nondetected result. The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

NS = The analyte was not detected above the reported sample quantitation limit. The presence of absence of the analyte cannot be verified.

Table 2
Summary of Analytical Results for Subsurface Soil Samples
Jamaica Gas & Light Former MGP Site
Queens, New York

Sample Location Sample Date Sample ID Sample Interval (feet) SDG	CAS #	NYSDEC Part 375-6 Unrestricted Use	NYSDEC Part 375-6 Restricted Residential Use	NYSDEC Part 375-6 Commercial Use	SB-19 11/12/2013 SB-19 (37.5-40)111213 37.5-40 460-66163	SB-20 11/12/2013 SB-20 (2-5)111213 2-5 460-66163	SB-20 11/12/2013 DUP-01-111213 2-5 460-66163	SB-20 11/12/2013 SB-20 (12.5-15)111213 12.5-15 460-66163	SB-20 11/12/2013 SB-20 (17.5-20)111213 17.5-20 460-66163	SB-21 11/9/2013 SB-21 (1-5)110913 1-5 460-66163	SB-21 11/9/2013 SB-21 (5-10)110913 5-10 460-66163	SB-21 11/9/2013 SB-21 (10-15)110913 10-15 460-66163	SB-21 11/9/2013 SB-21 (35-40)110913 35-40 460-66163	SB-22 11/9/2013 SB-22 (1-5)110913 1-5 460-66163	SB-22 11/10/2013 SB-22 (5-10)111013 5-10 460-66163	SB-22 11/10/2013 SB-22 (10-15)111013 10-15 460-66163	SB-22 11/11/2013 SB-22 (35-40)111113 35-40 460-66163
PCBs (mg/Kg)																	
Aroclor 1016	12674-11-2	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor 1221	11104-28-2	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor 1232	11141-16-5	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor 1242	53469-21-9	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor 1248	12672-29-6	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor 1254	11097-69-1	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor 1260	11096-82-5	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor 1262	37324-23-5	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor 1268	11100-14-4	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total PCBs		0.1	1	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pesticides (mg/Kg)																	
Aldrin	309-00-2	0.005	0.097	0.68	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Alpha-BHC	319-84-6	0.02	0.48	3.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Beta-BHC	319-85-7	0.036	0.36	3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chlordane	57-74-9	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
DDD,4,4-	72-54-8	0.0033	13	92	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
DDE,4,4-	72-55-9	0.0033	8.9	62	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
DDT,4,4-	50-29-3	0.0033	7.9	47	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Delta-BHC	319-86-8	0.04	100	500	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dieldrin	60-57-1	0.005	0.2	1.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Endosulfan I	959-98-8	2.4	24	200	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Endosulfan II	33213-65-9	2.4	24	200	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Endosulfan sulfate	1031-07-8	2.4	24	200	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Endrin	72-20-8	0.014	11	89	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Endrin aldehyde	7421-93-4	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Endrin ketone	53494-70-5	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Gamma BHC - Lindane	58-89-9	0.1	1.3	9.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Heptachlor	76-44-8	0.042	2.1	15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Heptachlor Epoxide	1024-57-3	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methoxychlor	72-43-5	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Toxaphene	8001-35-2	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Herbicides (mg/Kg)																	
2,4,5-TP (Silvex)	93-72-1	3.8	100	500	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-D	94-75-7	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
T,2,4,5-	93-76-5	NL	NL	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cyanide (mg/Kg)																	
Total Cyanide	57-12-5	27	27	27	< 0.11 U	0.5	0.37	1.4	0.81	0.26	0.21	< 0.1 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.1 U	< 0.11 U
Cyanide, Free	57-12-5-FREE	NL	NL	NL	32.8 J	0.45 J	3 J	32 J	15.5 J	< 2.3 U	0.27 J	R	< 2.3 U	< 2.4 U	0.11 J	R	< 2.3 U
Available cyanide	57-12-5-A	NL	NL	NL	< 0.045 UJ	< 0.042 UJ	< 0.042 UJ	< 0.047 UJ	< 0.042 UJ	< 0.044 UJ	< 0.043 UJ	R	< 0.044 UJ	< 0.044 UJ	< 0.044 UJ	R	< 0.044 UJ

Notes:

Exceedance of the NYSDEC Part 375-6.8(b) Unrestricted Use Soil Cleanup Objective value.

Exceedance of the NYSDEC Part 375-6.8(b) Restricted Residential Use Soil Cleanup Objective value.

Exceedance of the NYSDEC Part 375-6.8(b) Commercial Use Soil Cleanup Objective value.

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mg/Kg = milligram per kilogram

Bold indicates compound was detected

U = Nondetected result. The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

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Jamaica Gas & Light Former MGP Site
Queens, New York

Sample Location Sample Date Sample ID Sample Interval (feet) SDG	CAS #	NYSDEC Part 375-6 Unrestricted Use	NYSDEC Part 375-6 Restricted Residential Use	NYSDEC Part 375-6 Commercial Use	SB-23 11/9/2013 SB-23 (1-4)110913 1-4 460-66163	SB-23 11/16/2013 SB-23(5-10)111613 5-10 460-66844	SB-23 11/16/2013 SB-23(37.5-40)111613 37.5-40 460-66844	TP-02 11/5/2013 TP-2(15-17)110513 15-17 460-66163	TP-03 11/7/2013 TP-03(8-12)110713 8-12 460-66163
BTEX (mg/kg)									
Benzene	71-43-2	0.06	4.8	44	< 0.00096 U	< 0.00037 U	< 0.00054 U	0.0032	0.0025
Ethylbenzene	100-41-4	1	41	390	< 0.00096 U	< 0.00037 U	< 0.00054 U	0.002	0.00015 J
Toluene	108-88-3	0.7	100	500	< 0.00096 U	0.000062 J	0.00037 J	0.002	0.0031
Xylenes (total)	1330-20-7	0.26	100	500	< 0.0029 U	< 0.0011 U	< 0.0016 U	0.0024 J	0.0013 J
Total BTEX					ND	0.000062	0.00037	0.0096	0.00705
Volatile Organic Compounds (VOCs)(mg/Kg)									
1,1,1-Trichloroethane	71-55-6	0.68	100	500	NS	NS	NS	NS	NS
1,1,2,2-Tetrachloroethane	79-34-5	NL	NL	NL	NS	NS	NS	NS	NS
1,1,2-Trichloroethane	79-00-5	NL	NL	NL	NS	NS	NS	NS	NS
1,1-Dichloroethane	75-34-3	0.27	26	240	NS	NS	NS	NS	NS
1,1-Dichloroethene	75-35-4	0.33	100	500	NS	NS	NS	NS	NS
1,2-Dichloroethane	107-06-2	0.02	3.1	30	NS	NS	NS	NS	NS
1,2-Dichloropropane	78-87-5	NL	NL	NL	NS	NS	NS	NS	NS
2-Butanone	78-93-3	0.12	100	500	NS	NS	NS	NS	NS
2-Hexanone	591-78-6	NL	NL	NL	NS	NS	NS	NS	NS
4-Methyl-2-pentanone	108-10-1	NL	NL	NL	NS	NS	NS	NS	NS
Acetone	67-64-1	0.05	100	500	NS	NS	NS	NS	NS
Bromodichloromethane	75-27-4	NL	NL	NL	NS	NS	NS	NS	NS
Bromoform	75-25-2	NL	NL	NL	NS	NS	NS	NS	NS
Bromomethane	74-83-9	NL	NL	NL	NS	NS	NS	NS	NS
Carbon disulfide	75-15-0	NL	NL	NL	NS	NS	NS	NS	NS
Carbon tetrachloride	56-23-5	0.76	2.4	22	NS	NS	NS	NS	NS
Chlorobenzene	108-90-7	1.1	100	500	NS	NS	NS	NS	NS
Chloroethane	75-00-3	NL	NL	NL	NS	NS	NS	NS	NS
Chloroform	67-66-3	0.37	49	350	NS	NS	NS	NS	NS
Chloromethane	74-87-3	NL	NL	NL	NS	NS	NS	NS	NS
cis-1,2-Dichloroethene	156-59-2	0.25	100	500	NS	NS	NS	NS	NS
cis-1,3-Dichloropropene	10061-01-5	NL	NL	NL	NS	NS	NS	NS	NS
Dibromochloromethane	124-48-1	NL	NL	NL	NS	NS	NS	NS	NS
Methylene chloride	75-09-2	0.05	100	500	NS	NS	NS	NS	NS
Styrene	100-42-5	NL	NL	NL	NS	NS	NS	NS	NS
Tetrachloroethene	127-18-4	1.3	19	150	NS	NS	NS	NS	NS
trans-1,2-Dichloroethene	156-60-5	0.19	100	500	NS	NS	NS	NS	NS
trans-1,3-Dichloropropene	10061-02-6	NL	NL	NL	NS	NS	NS	NS	NS
Trichloroethene	79-01-6	0.47	21	200	NS	NS	NS	NS	NS
Vinyl chloride	75-01-4	0.02	0.9	13	NS	NS	NS	NS	NS
Total VOCs					ND	0.000062	0.00037	0.0096	0.00705
Polynuclear Aromatic Hydrocarbons (PAHs) (mg/Kg)									
2-Methylnaphthalene	91-57-6	NL	NL	NL	NS	NS	NS	NS	NS
Acenaphthene	83-32-9	20	100	500	0.14 J	< 0.36 U	< 0.36 U	0.34 J	< 3.4 U
Acenaphthylene	208-96-8	100	100	500	< 0.69 U	< 0.36 U	< 0.36 U	0.51 J	1.2 J
Anthracene	120-12-7	100	100	500	0.22 J	< 0.36 U	< 0.36 U	1.6	3.9
Benzo(a)anthracene	56-55-3	1	1	5.6	0.63	0.045	< 0.036 U	6	24
Benzo(a)pyrene	50-32-8	1	1	1	0.76 J	0.1 J	< 0.036 U	7.3 J	22 J
Benzo(b)fluoranthene	205-99-2	1	1	5.6	0.84 J	0.12	< 0.036 U	10	26
Benzo(ghi)perylene	191-24-2	100	100	500	0.77	0.12 J	< 0.36 U	1.5	11
Benzo(k)fluoranthene	207-08-9	0.8	3.9	56	0.4	0.041	< 0.036 U	3.6	9.8
Chrysene	218-01-9	1	3.9	56	0.66 J	0.043 J	< 0.36 U	5.8	22
Dibenz(a,h)anthracene	53-70-3	0.33	0.33	0.56	0.15	< 0.036 U	< 0.036 U	0.52	2.6
Fluoranthene	206-44-0	100	100	500	1.3	0.054 J	< 0.36 U	11	45
Fluorene	86-73-7	30	100	500	0.096 J	< 0.36 U	< 0.36 U	0.55 J	0.85 J
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	0.5	5.6	0.81	0.12	< 0.036 U	2	14
Naphthalene	91-20-3	12	100	500	< 0.69 U	< 0.36 U	< 0.36 U	0.79	0.57 J
Phenanthrene	85-01-8	100	100	500	0.93	< 0.36 U	< 0.36 U	5.7	5.2
Pyrene	129-00-0	100	100	500	0.93	< 0.36 U	< 0.36 U	8.6	41
Total PAHs					8.636	0.643	ND	65.81	229.12

Notes:

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Other Semi Volatile Organic Compounds (SVOC) (mg/Kg)									
1,2,4-Trichlorobenzene	120-82-1	NL	NL	NL	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	95-50-1	1.1	100	500	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	541-73-1	2.4	49	280	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	106-46-7	1.8	13	130	NS	NS	NS	NS	NS
2,2'-oxybis(1-Chloropropane)	108-60-1	NL	NL	NL	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	95-95-4	NL	NL	NL	NS	NS	NS	NS	NS
2,4,6-Trichlorophenol	88-06-2	NL	NL	NL	NS	NS	NS	NS	NS
2,4-Dichlorophenol	120-83-2	NL	NL	NL	NS	NS	NS	NS	NS
2,4-Dimethylphenol	105-67-9	NL	NL	NL	NS	NS	NS	NS	NS
2,4-Dinitrophenol	51-28-5	NL	NL	NL	NS	NS	NS	NS	NS
2,4-Dinitrotoluene	121-14-2	NL	NL	NL	NS	NS	NS	NS	NS
2,6-Dinitrotoluene	606-20-2	NL	NL	NL	NS	NS	NS	NS	NS
2-Chloronaphthalene	91-58-7	NL	NL	NL	NS	NS	NS	NS	NS
2-Chlorophenol	95-57-8	NL	NL	NL	NS	NS	NS	NS	NS
2-Methylphenol	95-48-7	0.33	100	500	NS	NS	NS	NS	NS
2-Nitroaniline	88-74-4	NL	NL	NL	NS	NS	NS	NS	NS
2-Nitrophenol	88-75-5	NL	NL	NL	NS	NS	NS	NS	NS
3,3'-Dichlorobenzidine	91-94-1	NL	NL	NL	NS	NS	NS	NS	NS
3-Nitroaniline	99-09-2	NL	NL	NL	NS	NS	NS	NS	NS
4,6-Dinitro-2-methylphenol	534-52-1	NL	NL	NL	NS	NS	NS	NS	NS
4-Bromophenyl phenyl ether	101-55-3	NL	NL	NL	NS	NS	NS	NS	NS
4-Chloro-3-methylphenol	59-50-7	NL	NL	NL	NS	NS	NS	NS	NS
4-Chloroaniline	106-47-8	NL	NL	NL	NS	NS	NS	NS	NS
4-Chlorophenyl phenyl ether	7005-72-3	NL	NL	NL	NS	NS	NS	NS	NS
4-Methylphenol	106-44-5	0.33	100	500	NS	NS	NS	NS	NS
4-Nitroaniline	100-01-6	NL	NL	NL	NS	NS	NS	NS	NS
4-Nitrophenol	100-02-7	NL	NL	NL	NS	NS	NS	NS	NS
bis(2-Chloroethoxy)methane	111-91-1	NL	NL	NL	NS	NS	NS	NS	NS
bis(2-Chloroethyl) ether	111-44-4	NL	NL	NL	NS	NS	NS	NS	NS
bis(2-Ethylhexyl) phthalate	117-81-7	NL	NL	NL	NS	NS	NS	NS	NS
Butyl benzyl phthalate	85-68-7	NL	NL	NL	NS	NS	NS	NS	NS
Carbazole	86-74-8	NL	NL	NL	NS	NS	NS	NS	NS
Dibenzofuran	132-64-9	7	59	500	NS	NS	NS	NS	NS
Diethyl phthalate	84-66-2	NL	NL	NL	NS	NS	NS	NS	NS
Dimethyl phthalate	131-11-3	NL	NL	NL	NS	NS	NS	NS	NS
Di-n-butyl phthalate	84-74-2	NL	NL	NL	NS	NS	NS	NS	NS
Di-n-octyl phthalate	117-84-0	NL	NL	NL	NS	NS	NS	NS	NS
Hexachlorobenzene	118-74-1	0.33	1.2	6	NS	NS	NS	NS	NS
Hexachlorobutadiene	87-68-3	NL	NL	NL	NS	NS	NS	NS	NS
Hexachlorocyclopentadiene	77-47-4	NL	NL	NL	NS	NS	NS	NS	NS
Hexachloroethane	67-72-1	NL	NL	NL	NS	NS	NS	NS	NS
Isophorone	78-59-1	NL	NL	NL	NS	NS	NS	NS	NS
Nitrobenzene	98-95-3	NL	NL	69	NS	NS	NS	NS	NS
N-Nitrosodi-n-propylamine	621-64-7	NL	NL	NL	NS	NS	NS	NS	NS
N-Nitrosodiphenylamine	86-30-6	NL	NL	NL	NS	NS	NS	NS	NS
Pentachlorophenol	87-86-5	0.8	6.7	6.7	NS	NS	NS	NS	NS
Phenol	108-95-2	0.33	100	500	NS	NS	NS	NS	NS
Total SVOCs					8.636	0.643	ND	65.81	229.12
Inorganic Compounds (mg/Kg)									
Aluminum	7429-90-5	NL	NL	NL	NS	NS	NS	NS	NS
Antimony	7440-36-0	NL	NL	NL	NS	NS	NS	NS	NS
Arsenic	7440-38-2	13	16	16	3.2	3.1	< 3 U	6.9	1.4 J
Barium	7440-39-3	350	400	400	63.9	58	23.1 J	81.1	23.2 J
Beryllium	7440-41-7	7.2	72	590	NS	NS	NS	NS	NS
Cadmium	7440-43-9	2.5	4.3	9.3	0.14 J	1.5	< 0.01 U	0.33 J	< 0.76 U
Calcium	7440-70-2	NL	NL	NL	NS	NS	NS	NS	NS
Chromium	7440-47-3	30	180	1,500	10	14.4 J	7.6 J	12.9	11.7
Cobalt	7440-48-4	NL	NL	NL	NS	NS	NS	NS	NS
Copper	7440-50-8	50	270	270	NS	NS	NS	NS	NS
Iron	7439-89-6	NL	NL	NL	NS	NS	NS	NS	NS
Lead	7439-92-1	63	400	1,000	120 J	69.3	2.7	208	7.3
Magnesium	7439-95-4	NL	NL	NL	NS	NS	NS	NS	NS
Manganese	7439-96-5	1,600	2,000	10,000	NS	NS	NS	NS	NS
Mercury	7439-97-6	0.18	0.81	2.8	0.25	0.14 J	< 0.017 UJ	0.66	0.028
Nickel	7440-02-0	30	310	310	NS	NS	NS	NS	NS
Potassium	7440-09-7	NL	NL	NL	NS	NS	NS	NS	NS
Selenium	7782-49-2	3.9	180	1,500	< 3.8 U	< 3.9 U	< 4.1 U	< 4.4 U	< 3.8 U
Silver	7440-22-4	2	180	1,500	< 1.9 U	< 1.9 U	< 2 U	< 2.2 U	< 1.9 U
Sodium	7440-23-5	NL	NL	NL	NS	NS	NS	NS	NS
Thallium	7440-28-0	NL	NL	NL	NS	NS	NS	NS	NS
Vanadium	7440-62-2	NL	NL	NL	NS	NS	NS	NS	NS
Zinc	7440-66-6	109	10,000	10,000	NS	NS	NS	NS	NS

Notes:
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PCBs (mg/Kg)									
Aroclor 1016	12674-11-2	NL	NL	NL	NS	NS	NS	NS	NS
Aroclor 1221	11104-28-2	NL	NL	NL	NS	NS	NS	NS	NS
Aroclor 1232	11141-16-5	NL	NL	NL	NS	NS	NS	NS	NS
Aroclor 1242	53469-21-9	NL	NL	NL	NS	NS	NS	NS	NS
Aroclor 1248	12672-29-6	NL	NL	NL	NS	NS	NS	NS	NS
Aroclor 1254	11097-69-1	NL	NL	NL	NS	NS	NS	NS	NS
Aroclor 1260	11096-82-5	NL	NL	NL	NS	NS	NS	NS	NS
Aroclor 1262	37324-23-5	NL	NL	NL	NS	NS	NS	NS	NS
Aroclor 1268	11100-14-4	NL	NL	NL	NS	NS	NS	NS	NS
Total PCBs		0.1	1	1	NS	NS	NS	NS	NS
Pesticides (mg/Kg)									
Aldrin	309-00-2	0.005	0.097	0.68	NS	NS	NS	NS	NS
Alpha-BHC	319-84-6	0.02	0.48	3.4	NS	NS	NS	NS	NS
Beta-BHC	319-85-7	0.036	0.36	3	NS	NS	NS	NS	NS
Chlordane	57-74-9	NL	NL	NL	NS	NS	NS	NS	NS
DDD,4,4-	72-54-8	0.0033	13	92	NS	NS	NS	NS	NS
DDE,4,4-	72-55-9	0.0033	8.9	62	NS	NS	NS	NS	NS
DDT,4,4-	50-29-3	0.0033	7.9	47	NS	NS	NS	NS	NS
Delta-BHC	319-86-8	0.04	100	500	NS	NS	NS	NS	NS
Dieldrin	60-57-1	0.005	0.2	1.4	NS	NS	NS	NS	NS
Endosulfan I	959-98-8	2.4	24	200	NS	NS	NS	NS	NS
Endosulfan II	33213-65-9	2.4	24	200	NS	NS	NS	NS	NS
Endosulfan sulfate	1031-07-8	2.4	24	200	NS	NS	NS	NS	NS
Endrin	72-20-8	0.014	11	89	NS	NS	NS	NS	NS
Endrin aldehyde	7421-93-4	NL	NL	NL	NS	NS	NS	NS	NS
Endrin ketone	53494-70-5	NL	NL	NL	NS	NS	NS	NS	NS
Gamma BHC - Lindane	58-89-9	0.1	1.3	9.2	NS	NS	NS	NS	NS
Heptachlor	76-44-8	0.042	2.1	15	NS	NS	NS	NS	NS
Heptachlor Epoxide	1024-57-3	NL	NL	NL	NS	NS	NS	NS	NS
Methoxychlor	72-43-5	NL	NL	NL	NS	NS	NS	NS	NS
Toxaphene	8001-35-2	NL	NL	NL	NS	NS	NS	NS	NS
Herbicides (mg/Kg)									
2,4,5-TP (Silvex)	93-72-1	3.8	100	500	NS	NS	NS	NS	NS
2,4-D	94-75-7	NL	NL	NL	NS	NS	NS	NS	NS
T,2,4,5-	93-76-5	NL	NL	NL	NS	NS	NS	NS	NS
Cyanide (mg/Kg)									
Total Cyanide	57-12-5	27	27	27	0.074 J	0.094 J	< 0.11 U	0.23	3 J+
Cyanide, Free	57-12-5-FREE	NL	NL	NL	< 2.2 U	< 2.3 U	< 2.3 U	< 2.5 UJ	< 2.2 U
Available cyanide	57-12-5-A	NL	NL	NL	< 0.042 UJ	< 0.044 UJ	< 0.044 UJ	< 0.047 UJ	< 0.042 UJ

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Exceedance of the NYSDEC Part 375-6.8(b) Restricted Residential Use Soil Cleanup Objective value.
Exceedance of the NYSDEC Part 375-6.8(b) Commercial Use Soil Cleanup Objective value.

ND = calculated totals are not detected

NL = Not Listed

mg/Kg = milligram per kilogram

Bold indicates compound was detected

U = Nondetected result. The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet the quality control criteria. The presence of absence of the analyte cannot be verified.

Table 3
Summary of Analytical Results for Groundwater Samples
Jamaica Gas & Light Former MGP Site

Sample Location Sample Date Sample ID SDG	CAS Number	NYSDEC Groundwater Guidance or Standard Value ¹	MW-01 4/4/2012 MW-1-040412(L)	MW-01 4/4/2012 DUP-1-040412(L)	MW-01 12/10/2013 MW-1-121013	MW-02 4/4/2012 MW-2-040412(L)	MW-02 12/11/2013 MW-2-121113	MW-03 4/4/2012 MW-3-040412(L)	MW-03 12/10/2013 MW-3-121013	MW-04 4/5/2012 MW-4-040512(L)	MW-04 12/11/2013 MW-4-121113	MW-04 12/11/2013 DUP-01-121113
			460387421	460387421	460-68028	460387421	460-68028	460387421	460-68028	460387671	460-68028	68028, 680
BTEX (ug/L)												
Benzene	71-43-2	1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Ethylbenzene	100-41-4	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Toluene	108-88-3	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Xylenes (total)	1330-20-7	5	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U
Total BTEX			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (VOCs)(ug/L)												
1,1,1-Trichloroethane	71-55-6	5	< 1 U	< 1 U	NS	< 1 U	NS	< 1 U	NS	0.12 J	NS	NS
1,1,2,2-Tetrachloroethane	79-34-5	5	< 1 U	< 1 U	NS	< 1 U	NS	< 1 U	NS	< 1 U	NS	NS
1,1,2-Trichloroethane	79-00-5	1	< 1 U	< 1 U	NS	< 1 U	NS	< 1 U	NS	< 1 U	NS	NS
1,1-Dichloroethane	75-34-3	5	< 1 U	< 1 U	NS	< 1 U	NS	< 1 U	NS	< 1 U	NS	NS
1,1-Dichloroethene	75-35-4	5	< 1 U	< 1 U	NS	< 1 U	NS	< 1 U	NS	< 1 U	NS	NS
1,2-Dichloroethane	107-06-2	0.6	< 1 U	< 1 U	NS	< 1 U	NS	< 1 U	NS	< 1 U	NS	NS
1,2-Dichloropropane	78-87-5	1	< 1 U	< 1 U	NS	< 1 U	NS	< 1 U	NS	< 1 U	NS	NS
2-Butanone	78-93-3	50	R	R	NS	R	NS	R	NS	R	NS	NS
2-Hexanone	591-78-6	50	< 5 U	< 5 U	NS	< 5 U	NS	< 5 U	NS	< 5 U	NS	NS
4-Methyl-2-pentanone	108-10-1	NL	< 5 U	< 5 U	NS	< 5 U	NS	< 5 U	NS	< 5 U	NS	NS
Acetone	67-64-1	50	< 5 U	< 5 U	NS	< 5 U	NS	< 5 U	NS	< 5 U	NS	NS
Bromodichloromethane	75-27-4	50	< 1 U	< 1 U	NS	< 1 U	NS	< 1 U	NS	< 1 U	NS	NS
Bromoform	75-25-2	50	< 1 U	< 1 U	NS	< 1 U	NS	< 1 U	NS	< 1 U	NS	NS
Bromomethane	74-83-9	5	< 1 UJ	< 1 UJ	NS	< 1 UJ	NS	< 1 UJ	NS	< 1 U	NS	NS
Carbon disulfide	75-15-0	NL	< 1 U	< 1 U	NS	< 1 U	NS	< 1 U	NS	< 1 U	NS	NS
Carbon tetrachloride	56-23-5	5	< 1 U	< 1 U	NS	< 1 U	NS	< 1 U	NS	< 1 U	NS	NS
Chlorobenzene	108-90-7	5	< 1 U	< 1 U	NS	< 1 U	NS	< 1 U	NS	< 1 U	NS	NS
Chloroethane	75-00-3	5	< 1 U	< 1 U	NS	< 1 U	NS	< 1 U	NS	< 1 U	NS	NS
Chloroform	67-66-3	7	0.96 J	0.98 J	NS	0.82 J	NS	2.6	NS	< 1 U	NS	NS
Chloromethane	74-87-3	5	< 1 U	< 1 U	NS	< 1 U	NS	< 1 U	NS	< 1 U	NS	NS
cis-1,2-Dichloroethene	156-59-2	5	< 1 U	< 1 U	NS	< 1 U	NS	< 1 U	NS	< 1 U	NS	NS
cis-1,3-Dichloropropene	10061-01-5	0.4	< 1 U	< 1 U	NS	< 1 U	NS	< 1 U	NS	< 1 U	NS	NS
Dibromochloromethane	124-48-1	50	< 1 U	< 1 U	NS	< 1 U	NS	< 1 U	NS	< 1 U	NS	NS
Methylene chloride	75-09-2	5	< 1 U	< 1 U	NS	< 1 U	NS	< 1 U	NS	< 1 U	NS	NS
Styrene	100-42-5	5	< 1 U	< 1 U	NS	< 1 U	NS	< 1 U	NS	< 1 U	NS	NS
Tetrachloroethene	127-18-4	5	< 1 U	< 1 U	NS	< 1 U	NS	< 1 U	NS	< 1 U	NS	NS
trans-1,2-Dichloroethene	156-60-5	5	< 1 U	< 1 U	NS	< 1 U	NS	< 1 U	NS	< 1 U	NS	NS
trans-1,3-Dichloropropene	10061-02-6	0.4	< 1 U	< 1 U	NS	< 1 U	NS	< 1 U	NS	< 1 U	NS	NS
Trichloroethene	79-01-6	5	< 1 U	< 1 U	NS	< 1 U	NS	< 1 U	NS	< 1 U	NS	NS
Vinyl chloride	75-01-4	2	< 1 U	< 1 U	NS	< 1 U	NS	< 1 U	NS	< 1 U	NS	NS
Total VOCs			0.96 J	0.98 J	NS	0.82 J	NS	2.6	NS	0.12 J	NS	NS
Polynuclear Aromatic Hydrocarbons (PAHs) (ug/L)												
2-Methylnaphthalene	91-57-6	NL	< 11 U	< 11 U	NS	< 10 U	NS	< 11 U	NS	< 10 U	NS	NS
Acenaphthene	83-32-9	20	< 11 U	< 11 U	< 10 U	< 10 U	< 10 U	< 11 U	< 10 U	< 10 U	< 11 U	< 10 U
Acenaphthylene	208-96-8	NL	< 11 U	< 11 U	< 10 U	< 10 U	< 10 U	< 11 U	< 10 U	< 10 U	< 11 U	< 10 U
Anthracene	120-12-7	50	< 11 U	< 11 U	< 10 U	< 10 U	< 10 U	< 11 U	< 10 U	< 10 U	< 11 U	< 10 U
Benzo(a)anthracene	56-55-3	0.002	< 1.1 U	< 1.1 U	< 1 U	< 1 U	< 1 U	< 1.1 U	< 1 U	< 1 U	< 1.1 U	< 1 U
Benzo(a)pyrene	50-32-8	NL	< 1.1 U	< 1.1 U	< 1 U	< 1 U	< 1 U	< 1.1 U	< 1 U	< 1 U	< 1.1 U	< 1 U
Benzo(b)fluoranthene	205-99-2	0.002	< 1.1 U	< 1.1 U	< 1 U	< 1 U	< 1 U	< 1.1 U	< 1 U	< 1 U	< 1.1 U	< 1 U
Benzo(ghi)perylene	191-24-2	NL	< 11 U	< 11 U	< 10 U	< 10 U	< 10 U	< 11 U	< 10 U	< 10 U	< 11 U	< 10 U
Benzo(k)fluoranthene	207-08-9	0.002	< 1.1 U	< 1.1 U	< 1 U	< 1 U	< 1 U	< 1.1 U	< 1 U	< 1 U	< 1.1 U	< 1 U
Chrysene	218-01-9	0.002	< 11 U	< 11 U	< 10 U	< 10 U	< 10 U	< 11 U	< 10 U	< 10 U	< 11 U	< 10 U
Dibenz(a,h)anthracene	53-70-3	NL	< 1.1 U	< 1.1 U	< 1 U	< 1 U	< 1 U	< 1.1 U	< 1 U	< 1 U	< 1.1 U	< 1 U
Fluoranthene	206-44-0	50	< 11 U	< 11 U	< 10 U	< 10 U	< 10 U	< 11 U	< 10 U	< 10 U	< 11 U	< 10 U
Fluorene	86-73-7	50	< 11 U	< 11 U	< 10 U	< 10 U	< 10 U	< 11 U	< 10 U	< 10 U	< 11 U	< 10 U
Indeno(1,2,3-cd)pyrene	193-39-5	0.002	< 1.1 U	< 1.1 U	< 1 U	< 1 U	< 1 U	< 1.1 U	< 1 U	< 1 U	< 1.1 U	< 1 U
Naphthalene	91-20-3	10	< 11 U	< 11 U	< 10 U	< 10 U	< 10 U	< 11 U	< 10 U	< 10 U	< 11 U	< 10 U
Phenanthrene	85-01-8	50	< 11 U	< 11 U	< 10 U	< 10 U	< 10 U	< 11 U	< 10 U	< 10 U	< 11 U	< 10 U
Pyrene	129-00-0	50	< 11 U	< 11 U	< 10 U	< 10 U	< 10 U	< 11 U	< 10 U	< 10 U	< 11 U	< 10 U
Total PAHs			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

1 - Guidance or Standard Values - NYSDEC, Division of Water, TOGS (1.1.1) - 6 NYCRR 703.5 [NYSDEC, 1998].

MW-11* - Formerly known as Jamaica Holder MW-1

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mg/L - milligrams per liter

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NA = Not Analyzed

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			460387421	460387421	460-68028	460387421	460-68028	460387421	460-68028	460387671	460-68028	68028, 680
Other Semi Volatile Organic Compounds (SVOC) (ug/L)												
1,2,4-Trichlorobenzene	120-82-1	5	< 1.1 U	< 1.1 U	NS	< 1 U	NS	< 1.1 U	NS	< 1 U	NS	NS
1,2-Dichlorobenzene	95-50-1	3	< 11 U	< 11 U	NS	< 10 U	NS	< 11 U	NS	< 10 U	NS	NS
1,3-Dichlorobenzene	541-73-1	3	< 11 U	< 11 U	NS	< 10 U	NS	< 11 U	NS	< 10 U	NS	NS
1,4-Dichlorobenzene	106-46-7	3	< 11 U	< 11 U	NS	< 10 U	NS	< 11 U	NS	< 10 U	NS	NS
2,2'-oxybis(1-Chloropropane)	108-60-1	NL	< 11 U	< 11 U	NS	< 10 U	NS	< 11 U	NS	< 10 U	NS	NS
2,4,5-Trichlorophenol	95-95-4	NL	< 11 U	< 11 U	NS	< 10 U	NS	< 11 U	NS	< 10 U	NS	NS
2,4,6-Trichlorophenol	88-06-2	NL	< 11 U	< 11 U	NS	< 10 U	NS	< 11 U	NS	< 10 U	NS	NS
2,4-Dichlorophenol	120-83-2	5	< 11 U	< 11 U	NS	< 10 U	NS	< 11 U	NS	< 10 U	NS	NS
2,4-Dimethylphenol	105-67-9	50	< 11 U	< 11 U	NS	< 10 U	NS	< 11 U	NS	< 10 U	NS	NS
2,4-Dinitrophenol	51-28-5	10	< 33 U	< 33 U	NS	< 31 UJ	NS	< 33 U	NS	< 31 U	NS	NS
2,4-Dinitrotoluene	121-14-2	5	< 2.2 U	< 2.2 U	NS	< 2 U	NS	< 2.2 U	NS	< 2.1 U	NS	NS
2,6-Dinitrotoluene	606-20-2	5	< 2.2 U	< 2.2 U	NS	< 2 U	NS	< 2.2 U	NS	< 2.1 U	NS	NS
2-Chloronaphthalene	91-58-7	10	< 11 U	< 11 U	NS	< 10 U	NS	< 11 U	NS	< 10 U	NS	NS
2-Chlorophenol	95-57-8	NL	< 11 U	< 11 U	NS	< 10 U	NS	< 11 U	NS	< 10 U	NS	NS
2-Methylphenol	95-48-7	NL	< 11 U	< 11 U	NS	< 10 U	NS	< 11 U	NS	< 10 U	NS	NS
2-Nitroaniline	88-74-4	5	< 22 U	< 22 U	NS	< 20 U	NS	< 22 U	NS	< 21 U	NS	NS
2-Nitrophenol	88-75-5	NL	< 11 U	< 11 U	NS	< 10 U	NS	< 11 U	NS	< 10 U	NS	NS
3,3'-Dichlorobenzidine	91-94-1	5	< 22 U	< 22 U	NS	< 20 U	NS	< 22 U	NS	< 21 U	NS	NS
3-Nitroaniline	99-09-2	5	< 22 U	< 22 U	NS	< 20 U	NS	< 22 U	NS	< 21 U	NS	NS
4,6-Dinitro-2-methylphenol	534-52-1	NL	< 33 U	< 33 U	NS	< 31 U	NS	< 33 U	NS	< 31 U	NS	NS
4-Bromophenyl phenyl ether	101-55-3	NL	< 11 U	< 11 U	NS	< 10 U	NS	< 11 U	NS	< 10 U	NS	NS
4-Chloro-3-methylphenol	59-50-7	NL	< 11 U	< 11 U	NS	< 10 U	NS	< 11 U	NS	< 10 U	NS	NS
4-Chloroaniline	106-47-8	5	< 11 U	< 11 U	NS	< 10 U	NS	< 11 U	NS	< 10 U	NS	NS
4-Chlorophenyl phenyl ether	7005-72-3	NL	< 11 U	< 11 U	NS	< 10 U	NS	< 11 U	NS	< 10 U	NS	NS
4-Methylphenol	106-44-5	NL	< 11 U	< 11 U	NS	< 10 U	NS	< 11 U	NS	< 10 U	NS	NS
4-Nitroaniline	100-01-6	5	< 22 U	< 22 U	NS	< 20 U	NS	< 22 U	NS	< 21 U	NS	NS
4-Nitrophenol	100-02-7	NL	< 33 U	< 33 U	NS	< 31 U	NS	< 33 U	NS	< 31 U	NS	NS
bis(2-Chloroethoxy)methane	111-91-1	5	< 11 U	< 11 U	NS	< 10 U	NS	< 11 U	NS	< 10 U	NS	NS
bis(2-Chloroethyl) ether	111-44-4	1	< 1.1 U	< 1.1 U	NS	< 1 U	NS	< 1.1 U	NS	< 1 U	NS	NS
bis(2-Ethylhexyl) phthalate	117-81-7	5	< 11 U	< 11 U	NS	< 10 U	NS	< 11 U	NS	< 10 U	NS	NS
Butyl benzyl phthalate	85-68-7	50	< 11 U	< 11 U	NS	< 10 U	NS	< 11 U	NS	< 10 U	NS	NS
Carbazole	86-74-8	NL	< 11 U	< 11 U	NS	< 10 U	NS	< 11 U	NS	< 10 U	NS	NS
Dibenzofuran	132-64-9	NL	< 11 U	< 11 U	NS	< 10 U	NS	< 11 U	NS	< 10 U	NS	NS
Diethyl phthalate	84-66-2	50	< 11 U	< 11 U	NS	< 10 U	NS	< 11 U	NS	< 10 U	NS	NS
Dimethyl phthalate	131-11-3	50	< 11 U	< 11 U	NS	< 10 U	NS	< 11 U	NS	< 10 U	NS	NS
Di-n-butyl phthalate	84-74-2	50	< 11 U	< 11 U	NS	< 10 U	NS	< 11 U	NS	< 10 U	NS	NS
Di-n-octyl phthalate	117-84-0	50	< 11 U	< 11 U	NS	< 10 U	NS	< 11 U	NS	< 10 U	NS	NS
Hexachlorobenzene	118-74-1	0.04	< 1.1 U	< 1.1 U	NS	< 1 U	NS	< 1.1 U	NS	< 1 U	NS	NS
Hexachlorobutadiene	87-68-3	0.5	< 2.2 U	< 2.2 U	NS	< 2 U	NS	< 2.2 U	NS	< 2.1 U	NS	NS
Hexachlorocyclopentadiene	77-47-4	5	< 11 U	< 11 U	NS	< 10 U	NS	< 11 U	NS	< 10 U	NS	NS
Hexachloroethane	67-72-1	5	< 1.1 U	< 1.1 U	NS	< 1 U	NS	< 1.1 U	NS	< 1 U	NS	NS
Isophorone	78-59-1	50	< 11 U	< 11 U	NS	< 10 U	NS	< 11 U	NS	< 10 U	NS	NS
Nitrobenzene	98-95-3	0.4	< 1.1 U	< 1.1 U	NS	< 1 U	NS	< 1.1 U	NS	< 1 U	NS	NS
N-Nitrosodi-n-propylamine	621-64-7	NL	< 1.1 U	< 1.1 U	NS	< 1 U	NS	< 1.1 U	NS	< 1 U	NS	NS
N-Nitrosodiphenylamine	86-30-6	50	< 11 U	< 11 U	NS	< 10 U	NS	< 11 U	NS	< 10 U	NS	NS
Pentachlorophenol	87-86-5	1	< 33 U	< 33 U	NS	< 31 U	NS	< 33 U	NS	< 31 U	NS	NS
Phenol	108-95-2	1	< 11 U	< 11 U	NS	< 10 U	NS	< 11 U	NS	< 10 U	NS	NS
Total SVOCs			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Inorganic Compounds (ug/L)												
Aluminum	7429-90-5	NL	< 200 U	< 200 U	NS	< 200 U	NS	303	NS	423	NS	NS
Antimony	7440-36-0	3	< 10 U	< 10 U	NS	< 10 U	NS	< 10 U	NS	< 10 U	NS	NS
Arsenic	7440-38-2	25	< 5 U	< 5 U	< 15 U	< 5 U	< 15 U	< 5 U	< 15 U	< 5 U	< 15 U	< 15 U
Barium	7440-39-3	1000	85 J	85.6 J	86.9 J	63.7 J	58.2 J	74.3 J	109 J	73 J	150 J	246
Beryllium	7440-41-7	3	< 2 U	< 2 U	NS	< 2 U	NS	< 2 U	NS	< 2 U	NS	NS
Cadmium	7440-43-9	5	< 5 U	< 5 U	< 4 U	< 5 U	< 4 U	< 5 U	< 4 U	< 5 U	< 4 U	< 4 U
Calcium	7440-70-2	NL	34200	35000	NS	24300	NS	38000	NS	47000	NS	NS
Chromium	7440-47-3	50	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	16.8	31.7
Cobalt	7440-48-4	NL	< 50 U	< 50 U	NS	< 50 U	NS	< 50 U	NS	< 50 U	NS	NS
Copper	7440-50-8	200	< 25 U	< 25 U	NS	< 25 U	NS	< 25 U	NS	< 25 U	NS	NS
Iron	7439-89-6	300	< 150 U	139 J	NS	216	NS	655	NS	807	NS	NS
Lead	7439-92-1	25	< 5 U	< 5 U	10.9	< 5 U	10.4	< 5 U	7.9 J	< 5 U	25.9	38.3
Magnesium	7439-95-4	35000	9040	8950	NS	4530 J	NS	11000	NS	9610	NS	NS
Manganese	7439-96-5	300	128	130	NS	< 15 U	NS	75.2	NS	57.4	NS	NS
Mercury	7439-97-6	0.7	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
Nickel	7440-02-0	100	< 40 U	< 40 U	NS	< 40 U	NS	< 40 U	NS	< 40 U	NS	NS
Potassium	7440-09-7	NL	5190	5250	NS	6400	NS	9210	NS	8320	NS	NS
Selenium	7782-49-2	10	< 10 U	< 10 U	< 20 U	< 10 U	< 20 U	< 10 U	< 20 U	< 10 U	< 20 U	< 20 U
Silver	7440-22-4	50	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Sodium	7440-23-5	20000	21200	21300	NS	71300	NS	75400	NS	41400	NS	NS
Thallium	7440-28-0	0.5	< 10 U	< 10 U	NS	< 10 U	NS	< 10 U	NS	< 10 U	NS	NS
Vanadium	7440-62-2	NL	< 50 U	< 50 U	NS	< 50 U	NS	< 50 U	NS	< 50 U	NS	NS
Zinc	7440-66-6	2000	< 30 U	< 30 U	NS	< 30 U	NS	< 30 U	NS	< 30 U	NS	NS

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			460387421	460387421	460-68028	460387421	460-68028	460387421	460-68028	460387671	460-68028	68028, 680
Cyanide (ug/L)												
Total Cyanide	57-12-5	200	< 10 U	< 10 U	< 10 UJ	100	110 J-	3 J	< 10 UJ	< 10 U	< 10 UJ	< 10 UJ
PCBs (ug/L)												
Aroclor 1016	12674-11-2	0.09	NS	NS	NS	NS	NS	NS	NS	< 0.51 U	NS	NS
Aroclor 1221	11104-28-2	0.09	NS	NS	NS	NS	NS	NS	NS	< 0.51 U	NS	NS
Aroclor 1232	11141-16-5	0.09	NS	NS	NS	NS	NS	NS	NS	< 0.51 U	NS	NS
Aroclor 1242	53469-21-9	0.09	NS	NS	NS	NS	NS	NS	NS	< 0.51 U	NS	NS
Aroclor 1248	12672-29-6	0.09	NS	NS	NS	NS	NS	NS	NS	< 0.51 U	NS	NS
Aroclor 1254	11097-69-1	0.09	NS	NS	NS	NS	NS	NS	NS	< 0.51 U	NS	NS
Aroclor 1260	11096-82-5	0.09	NS	NS	NS	NS	NS	NS	NS	< 0.51 U	NS	NS
Aroclor 1262	37324-23-5	0.09	NS	NS	NS	NS	NS	NS	NS	< 0.51 U	NS	NS
Aroclor 1268	11100-14-4	0.09	NS	NS	NS	NS	NS	NS	NS	< 0.51 U	NS	NS
Pesticides (ug/L)												
Aldrin	309-00-2	NL	< 0.051 U	< 0.051 U	NS	< 0.051 U	NS	< 0.051 U	NS	< 0.051 U	NS	NS
Alpha-BHC	319-84-6	0.01	< 0.051 U	< 0.051 U	NS	< 0.051 U	NS	< 0.051 U	NS	< 0.051 U	NS	NS
Beta-BHC	319-85-7	0.04	< 0.051 U	< 0.051 U	NS	< 0.051 U	NS	< 0.051 U	NS	< 0.051 U	NS	NS
Chlordane	57-74-9	NL	< 0.51 U	< 0.51 U	NS	< 0.51 U	NS	< 0.51 U	NS	< 0.51 U	NS	NS
DDD,4,4-	72-54-8	0.3	< 0.051 U	< 0.051 U	NS	< 0.051 U	NS	< 0.051 U	NS	< 0.051 U	NS	NS
DDE,4,4-	72-55-9	0.2	< 0.051 U	< 0.051 U	NS	< 0.051 U	NS	< 0.051 U	NS	< 0.051 U	NS	NS
DDT,4,4-	50-29-3	0.2	< 0.051 U	< 0.051 U	NS	< 0.051 U	NS	< 0.051 U	NS	< 0.051 U	NS	NS
Delta-BHC	319-86-8	0.04	< 0.051 U	< 0.051 U	NS	< 0.051 U	NS	< 0.051 U	NS	< 0.051 U	NS	NS
Dieldrin	60-57-1	0.004	< 0.051 U	< 0.051 U	NS	< 0.051 U	NS	< 0.051 U	NS	< 0.051 U	NS	NS
Endosulfan I	959-98-8	NL	< 0.051 U	< 0.051 U	NS	< 0.051 U	NS	< 0.051 U	NS	< 0.051 U	NS	NS
Endosulfan II	33213-65-9	NL	< 0.051 U	< 0.051 U	NS	< 0.051 U	NS	< 0.051 U	NS	< 0.051 U	NS	NS
Endosulfan sulfate	1031-07-8	NL	< 0.051 U	< 0.051 U	NS	< 0.051 U	NS	< 0.051 U	NS	< 0.051 U	NS	NS
Endrin	72-20-8	0	< 0.051 U	< 0.051 U	NS	< 0.051 U	NS	< 0.051 U	NS	< 0.051 U	NS	NS
Endrin aldehyde	7421-93-4	5	< 0.051 U	< 0.051 U	NS	< 0.051 U	NS	< 0.051 U	NS	< 0.051 U	NS	NS
Endrin ketone	53494-70-5	5	< 0.051 U	< 0.051 U	NS	< 0.051 U	NS	< 0.051 U	NS	< 0.051 U	NS	NS
Gamma BHC - Lindane	58-89-9	0.05	< 0.051 U	< 0.051 U	NS	< 0.051 U	NS	< 0.051 U	NS	< 0.051 U	NS	NS
Heptachlor	76-44-8	0.04	< 0.051 U	< 0.051 U	NS	< 0.051 U	NS	< 0.051 U	NS	< 0.051 U	NS	NS
Heptachlor Epoxide	1024-57-3	0.03	< 0.051 U	< 0.051 U	NS	< 0.051 U	NS	< 0.051 U	NS	< 0.051 U	NS	NS
Methoxychlor	72-43-5	35	< 0.051 U	< 0.051 U	NS	< 0.051 U	NS	< 0.051 U	NS	< 0.051 U	NS	NS
Toxaphene	8001-35-2	0.06	< 0.51 U	< 0.51 U	NS	< 0.51 U	NS	< 0.51 U	NS	< 0.51 U	NS	NS
Herbicides (ug/L)												
2,4,5-TP (Silvex)	93-72-1	0.26	< 0.56 U	< 0.56 U	NS	< 0.53 U	NS	< 0.56 U	NS	< 0.51 U	NS	NS
2,4-D	94-75-7	50	< 0.56 U	< 0.56 U	NS	< 0.53 U	NS	< 0.56 U	NS	< 0.51 U	NS	NS
T,2,4,5-	93-76-5	35	< 0.56 U	< 0.56 U	NS	< 0.53 U	NS	< 0.56 U	NS	< 0.51 U	NS	NS

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Sample Location Sample Date Sample ID SDG	CAS Number	NYSDEC Groundwater Guidance or Standard Value ¹	MW-05 4/4/2012 MW-5-040412(L) 460387671	MW-05 12/11/2013 MW-5-121113 460-68028	MW-06 4/5/2012 MW-6-040512(L) 460387671	MW-06 12/11/2013 MW-6-121113 460-68028	MW-07 12/11/2013 MW-7-121113 460-68028	MW-08 12/9/2013 MW-8-120913 460-68028	MW-09 12/9/2013 MW-9-120913 460-68028	MW-10 12/9/2013 MW-10-120913 460-68028	MW-11* 4/5/2012 MW-11-040412 ND	MW-11 12/11/2013 MW-11-121113 460-68028
BTEX (ug/L)												
Benzene	71-43-2	1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	< 1 U
Ethylbenzene	100-41-4	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	< 1 U
Toluene	108-88-3	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	< 1 U
Xylenes (total)	1330-20-7	5	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3.0 U	< 3 U
Total BTEX			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (VOCs)(ug/L)												
1,1,1-Trichloroethane	71-55-6	5	< 1 U	NS	< 1 U	NS	NS	NS	NS	NS	< 1.0 U	NS
1,1,2,2-Tetrachloroethane	79-34-5	5	< 1 U	NS	< 1 U	NS	NS	NS	NS	NS	< 1.0 U	NS
1,1,2-Trichloroethane	79-00-5	1	< 1 U	NS	< 1 U	NS	NS	NS	NS	NS	< 1.0 U	NS
1,1-Dichloroethane	75-34-3	5	< 1 U	NS	< 1 U	NS	NS	NS	NS	NS	< 1.0 U	NS
1,1-Dichloroethene	75-35-4	5	< 1 U	NS	< 1 U	NS	NS	NS	NS	NS	< 1.0 U	NS
1,2-Dichloroethane	107-06-2	0.6	< 1 U	NS	< 1 U	NS	NS	NS	NS	NS	< 1.0 U	NS
1,2-Dichloropropane	78-87-5	1	< 1 U	NS	< 1 U	NS	NS	NS	NS	NS	< 1.0 U	NS
2-Butanone	78-93-3	50	R	NS	R	NS	NS	NS	NS	NS	R	NS
2-Hexanone	591-78-6	50	< 5 U	NS	< 5 U	NS	NS	NS	NS	NS	< 5.0 U	NS
4-Methyl-2-pentanone	108-10-1	NL	< 5 U	NS	< 5 U	NS	NS	NS	NS	NS	< 5.0 U	NS
Acetone	67-64-1	50	< 5 U	NS	< 5 U	NS	NS	NS	NS	NS	< 5.0 U	NS
Bromodichloromethane	75-27-4	50	< 1 U	NS	< 1 U	NS	NS	NS	NS	NS	< 1.0 U	NS
Bromoform	75-25-2	50	< 1 U	NS	< 1 U	NS	NS	NS	NS	NS	< 1.0 U	NS
Bromomethane	74-83-9	5	< 1 U	NS	< 1 U	NS	NS	NS	NS	NS	< 1.0 U	NS
Carbon disulfide	75-15-0	NL	< 1 U	NS	< 1 U	NS	NS	NS	NS	NS	< 1.0 U	NS
Carbon tetrachloride	56-23-5	5	< 1 U	NS	< 1 U	NS	NS	NS	NS	NS	< 1.0 U	NS
Chlorobenzene	108-90-7	5	< 1 U	NS	< 1 U	NS	NS	NS	NS	NS	< 1.0 U	NS
Chloroethane	75-00-3	5	< 1 U	NS	< 1 U	NS	NS	NS	NS	NS	< 1.0 U	NS
Chloroform	67-66-3	7	3.8	NS	< 1 U	NS	NS	NS	NS	NS	< 1.0 U	NS
Chloromethane	74-87-3	5	< 1 U	NS	< 1 U	NS	NS	NS	NS	NS	< 1.0 U	NS
cis-1,2-Dichloroethene	156-59-2	5	< 1 U	NS	< 1 U	NS	NS	NS	NS	NS	< 1.0 U	NS
cis-1,3-Dichloropropene	10061-01-5	0.4	< 1 U	NS	< 1 U	NS	NS	NS	NS	NS	< 1.0 U	NS
Dibromochloromethane	124-48-1	50	< 1 U	NS	< 1 U	NS	NS	NS	NS	NS	< 1.0 U	NS
Methylene chloride	75-09-2	5	< 1 U	NS	< 1 U	NS	NS	NS	NS	NS	< 1.0 U	NS
Styrene	100-42-5	5	< 1 U	NS	< 1 U	NS	NS	NS	NS	NS	< 1.0 U	NS
Tetrachloroethene	127-18-4	5	< 1 U	NS	< 1 U	NS	NS	NS	NS	NS	< 1.0 U	NS
trans-1,2-Dichloroethene	156-60-5	5	< 1 U	NS	< 1 U	NS	NS	NS	NS	NS	< 1.0 U	NS
trans-1,3-Dichloropropene	10061-02-6	0.4	< 1 U	NS	< 1 U	NS	NS	NS	NS	NS	< 1.0 U	NS
Trichloroethene	79-01-6	5	< 1 U	NS	< 1 U	NS	NS	NS	NS	NS	0.26 J	J
Vinyl chloride	75-01-4	2	< 1 U	NS	< 1 U	NS	NS	NS	NS	NS	< 1.0 U	NS
Total VOCs			3.8	ND	ND	ND	ND	ND	ND	ND	0.26 J	ND
Polynuclear Aromatic Hydrocarbons (PAHs) (ug/L)												
2-Methylnaphthalene	91-57-6	NL	< 10 U	NS	< 10 U	NS	NS	NS	NS	NS	< 10 U	NS
Acenaphthene	83-32-9	20	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 11 U	< 10 U	< 10 U	< 10 U
Acenaphthylene	208-96-8	NL	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 11 U	< 10 U	< 10 U	< 10 U
Anthracene	120-12-7	50	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 11 U	< 10 U	< 10 U	< 10 U
Benzo(a)anthracene	56-55-3	0.002	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1.1 U	< 1 U	< 1.0 U	< 1 U
Benzo(a)pyrene	50-32-8	NL	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1.1 U	< 1 U	< 1.0 U	< 1 U
Benzo(b)fluoranthene	205-99-2	0.002	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1.1 U	< 1 U	< 1.0 U	< 1 U
Benzo(ghi)perylene	191-24-2	NL	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 11 U	< 10 U	< 10 U	< 10 U
Benzo(k)fluoranthene	207-08-9	0.002	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1.1 U	< 1 U	< 1.0 U	< 1 U
Chrysene	218-01-9	0.002	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 11 U	< 10 U	< 10 U	< 10 U
Dibenz(a,h)anthracene	53-70-3	NL	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1.1 U	< 1 U	< 1.0 U	< 1 U
Fluoranthene	206-44-0	50	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 11 U	< 10 U	< 10 U	< 10 U
Fluorene	86-73-7	50	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 11 U	< 10 U	< 10 U	< 10 U
Indeno(1,2,3-cd)pyrene	193-39-5	0.002	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1.1 U	< 1 U	< 1.0 U	< 1 U
Naphthalene	91-20-3	10	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 11 U	< 10 U	< 10 U	< 10 U
Phenanthrene	85-01-8	50	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 11 U	< 10 U	< 10 U	< 10 U
Pyrene	129-00-0	50	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 11 U	< 10 U	< 10 U	< 10 U
Total PAHs			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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			460387671	460-68028	460387671	460-68028	460-68028	460-68028	460-68028	460-68028		460-68028
Other Semi Volatile Organic Compounds (SVOC) (ug/L)												
1,2,4-Trichlorobenzene	120-82-1	5	< 1 U	NS	< 1 U	NS	NS	NS	NS	NS	< 1.0 U	NS
1,2-Dichlorobenzene	95-50-1	3	< 10 U	NS	< 10 U	NS	NS	NS	NS	NS	< 10 U	NS
1,3-Dichlorobenzene	541-73-1	3	< 10 U	NS	< 10 U	NS	NS	NS	NS	NS	< 10 U	NS
1,4-Dichlorobenzene	106-46-7	3	< 10 U	NS	< 10 U	NS	NS	NS	NS	NS	< 10 U	NS
2,2'-oxybis(1-Chloropropane)	108-60-1	NL	< 10 U	NS	< 10 U	NS	NS	NS	NS	NS	< 10 U	NS
2,4,5-Trichlorophenol	95-95-4	NL	< 10 U	NS	< 10 U	NS	NS	NS	NS	NS	< 10 U	NS
2,4,6-Trichlorophenol	88-06-2	NL	< 10 U	NS	< 10 U	NS	NS	NS	NS	NS	< 10 U	NS
2,4-Dichlorophenol	120-83-2	5	< 10 U	NS	< 10 U	NS	NS	NS	NS	NS	< 10 U	NS
2,4-Dimethylphenol	105-67-9	50	< 10 U	NS	< 10 U	NS	NS	NS	NS	NS	< 10 U	NS
2,4-Dinitrophenol	51-28-5	10	< 31 U	NS	< 31 U	NS	NS	NS	NS	NS	< 31 U	NS
2,4-Dinitrotoluene	121-14-2	5	< 2.1 U	NS	< 2.1 U	NS	NS	NS	NS	NS	< 2.1 U	NS
2,6-Dinitrotoluene	606-20-2	5	< 2.1 U	NS	< 2.1 U	NS	NS	NS	NS	NS	< 2.1 U	NS
2-Chloronaphthalene	91-58-7	10	< 10 U	NS	< 10 U	NS	NS	NS	NS	NS	< 10 U	NS
2-Chlorophenol	95-57-8	NL	< 10 U	NS	< 10 U	NS	NS	NS	NS	NS	< 10 U	NS
2-Methylphenol	95-48-7	NL	< 10 U	NS	< 10 U	NS	NS	NS	NS	NS	< 10 U	NS
2-Nitroaniline	88-74-4	5	< 21 U	NS	< 21 U	NS	NS	NS	NS	NS	< 21 U	NS
2-Nitrophenol	88-75-5	NL	< 10 U	NS	< 10 U	NS	NS	NS	NS	NS	< 10 U	NS
3,3'-Dichlorobenzidine	91-94-1	5	< 21 U	NS	< 21 U	NS	NS	NS	NS	NS	< 21 U	NS
3-Nitroaniline	99-09-2	5	< 21 U	NS	< 21 U	NS	NS	NS	NS	NS	< 21 U	NS
4,6-Dinitro-2-methylphenol	534-52-1	NL	< 31 U	NS	< 31 U	NS	NS	NS	NS	NS	< 31 U	NS
4-Bromophenyl phenyl ether	101-55-3	NL	< 10 U	NS	< 10 U	NS	NS	NS	NS	NS	< 10 U	NS
4-Chloro-3-methylphenol	59-50-7	NL	< 10 U	NS	< 10 U	NS	NS	NS	NS	NS	< 10 U	NS
4-Chloroaniline	106-47-8	5	< 10 U	NS	< 10 U	NS	NS	NS	NS	NS	< 10 U	NS
4-Chlorophenyl phenyl ether	7005-72-3	NL	< 10 U	NS	< 10 U	NS	NS	NS	NS	NS	< 10 U	NS
4-Methylphenol	106-44-5	NL	< 10 U	NS	< 10 U	NS	NS	NS	NS	NS	< 10 U	NS
4-Nitroaniline	100-01-6	5	< 21 U	NS	< 21 U	NS	NS	NS	NS	NS	< 21 U	NS
4-Nitrophenol	100-02-7	NL	< 31 U	NS	< 31 U	NS	NS	NS	NS	NS	< 31 U	NS
bis(2-Chloroethoxy)methane	111-91-1	5	< 10 U	NS	< 10 U	NS	NS	NS	NS	NS	< 10 U	NS
bis(2-Chloroethyl) ether	111-44-4	1	< 1 U	NS	< 1 U	NS	NS	NS	NS	NS	< 1.0 U	NS
bis(2-Ethylhexyl) phthalate	117-81-7	5	< 10 U	NS	< 10 U	NS	NS	NS	NS	NS	< 10 U	NS
Butyl benzyl phthalate	85-68-7	50	< 10 U	NS	< 10 U	NS	NS	NS	NS	NS	< 10 U	NS
Carbazole	86-74-8	NL	< 10 U	NS	< 10 U	NS	NS	NS	NS	NS	< 10 U	NS
Dibenzofuran	132-64-9	NL	< 10 U	NS	< 10 U	NS	NS	NS	NS	NS	< 10 U	NS
Diethyl phthalate	84-66-2	50	< 10 U	NS	< 10 U	NS	NS	NS	NS	NS	< 10 U	NS
Dimethyl phthalate	131-11-3	50	< 10 U	NS	< 10 U	NS	NS	NS	NS	NS	< 10 U	NS
Di-n-butyl phthalate	84-74-2	50	< 10 U	NS	< 10 U	NS	NS	NS	NS	NS	< 10 U	NS
Di-n-octyl phthalate	117-84-0	50	< 10 U	NS	< 10 U	NS	NS	NS	NS	NS	< 10 U	NS
Hexachlorobenzene	118-74-1	0.04	< 1 U	NS	< 1 U	NS	NS	NS	NS	NS	< 1.0 U	NS
Hexachlorobutadiene	87-68-3	0.5	< 2.1 U	NS	< 2.1 U	NS	NS	NS	NS	NS	< 2.1 U	NS
Hexachlorocyclopentadiene	77-47-4	5	< 10 U	NS	< 10 U	NS	NS	NS	NS	NS	< 10 U	NS
Hexachloroethane	67-72-1	5	< 1 U	NS	< 1 U	NS	NS	NS	NS	NS	< 1.0 U	NS
Isophorone	78-59-1	50	< 10 U	NS	< 10 U	NS	NS	NS	NS	NS	< 10 U	NS
Nitrobenzene	98-95-3	0.4	< 1 U	NS	< 1 U	NS	NS	NS	NS	NS	< 1.0 U	NS
N-Nitrosodi-n-propylamine	621-64-7	NL	< 1 U	NS	< 1 U	NS	NS	NS	NS	NS	< 1.0 U	NS
N-Nitrosodiphenylamine	86-30-6	50	< 10 U	NS	< 10 U	NS	NS	NS	NS	NS	< 10 U	NS
Pentachlorophenol	87-96-5	1	< 31 U	NS	< 31 U	NS	NS	NS	NS	NS	< 31 U	NS
Phenol	108-95-2	1	< 10 U	NS	< 10 U	NS	NS	NS	NS	NS	< 10 U	NS
Total SVOCs			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Inorganic Compounds (ug/L)												
Aluminum	7429-90-5	NL	717	NS	626	NS	NS	NS	NS	NS	209	NS
Antimony	7440-36-0	3	< 10 U	NS	< 10 U	NS	NS	NS	NS	NS	< 10 U	NS
Arsenic	7440-38-2	25	< 5 U	< 15 U	< 5 U	< 15 U	< 15 U	< 15 U	6.5 J	< 15 U	< <5.0 U	< 15 U
Barium	7440-39-3	1000	83.5 J	70.1 J	45.7 J	52.4 J	49.8 J	96.7 J	356	78.8 J	95.0 J J	154 J
Beryllium	7440-41-7	3	< 2 U	NS	< 2 U	NS	NS	NS	NS	NS	< <2.0 U	NS
Cadmium	7440-43-9	5	< 5 U	< 4 U	< 5 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< <5.0 U	< 4 U
Calcium	7440-70-2	NL	25300	NS	40600	NS	NS	NS	NS	NS	61500	NS
Chromium	7440-47-3	50	< 10 U	5.9 J	< 10 U	< 10 U	< 10 U	< 10 U	41.1	< 10 U	< 10 U	14.8
Cobalt	7440-48-4	NL	< 50 U	NS	< 50 U	NS	NS	NS	NS	NS	< 50.0 U	NS
Copper	7440-50-8	200	< 25 U	NS	9.6 J	NS	NS	NS	NS	NS	< 25.0 U	NS
Iron	7439-89-6	300	1440	NS	1300	NS	NS	NS	NS	NS	397	NS
Lead	7439-92-1	25	< 5 U	14.7	< 5 U	6.7 J	5.3 J	10.1	42.9	5.9 J	< 5.0 U	11.5
Magnesium	7439-95-4	35000	7060	NS	10500	NS	NS	NS	NS	NS	11200	NS
Manganese	7439-96-5	300	73.2	NS	39.4	NS	NS	NS	NS	NS	4150	NS
Mercury	7439-97-6	0.7	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.20 U	< 0.2 U
Nickel	7440-02-0	100	< 40 U	NS	5.5 J	NS	NS	NS	NS	NS	6.5 J J	NS
Potassium	7440-09-7	NL	7390	NS	6310	NS	NS	NS	NS	NS	6330	NS
Selenium	7782-49-2	10	< 10 U	< 20 U	< 10 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 10 U	< 20 U
Silver	7440-22-4	50	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Sodium	7440-23-5	20000	73600	NS	21800	NS	NS	NS	NS	NS	83300	NS
Thallium	7440-28-0	0.5	< 10 U	NS	< 10 U	NS	NS	NS	NS	NS	< 10 U	NS
Vanadium	7440-62-2	NL	< 50 U	NS	< 50 U	NS	NS	NS	NS	NS	< 50.0 U	NS
Zinc	7440-66-6	2000	< 30 U	NS	< 30 U	NS	NS	NS	NS	NS	< 30.0 U	NS

Notes:

1 - Guidance or Standard Values - NYSDEC, Division of Water, TOGS (1.1.1) - 6 NYCRR 703.5 [NYSDEC, 1998].

MW-11* - Formerly known as Jamaica Holder MW-1

ug/L - micrograms per liter

mg/L - milligrams per liter

NL = Not Listed

NA = Not Analyzed

ND = Not Detected

J = The associated numerical value is an estimated quantity.

J- = The associated numerical value is an estimated quantity, suspected low bias.

R = The associated data is rejected.

U = The material was analyzed for but not detected at, or above, the reporting limit. The associated numerical value is the sample quantitation limit.

Bold indicates compound detected at a concentration greater than the reporting limit.

Yellow highlight indicates exceedance of the NYSDEC Groundwater Guidance or Standard Value.

Table 3
Summary of Analytical Results for Groundwater Samples
Jamaica Gas & Light Former MGP Site

Sample Location Sample Date Sample ID SDG	CAS Number	NYSDEC Groundwater Guidance or Standard Value ¹	MW-05 4/4/2012 MW-5-040412(L) 460387671	MW-05 12/11/2013 MW-5-121113 460-68028	MW-06 4/5/2012 MW-6-040512(L) 460387671	MW-06 12/11/2013 MW-6-121113 460-68028	MW-07 12/11/2013 MW-7-121113 460-68028	MW-08 12/9/2013 MW-8-120913 460-68028	MW-09 12/9/2013 MW-9-120913 460-68028	MW-10 12/9/2013 MW-10-120913 460-68028	MW-11* 4/5/2012 MW-11-040412 460-68028	MW-11 12/11/2013 MW-11-121113 460-68028
Cyanide (ug/L)												
Total Cyanide	57-12-5	200	< 10 U	51 J-	< 10 U	< 10 UJ	5.6 J	< 10 UJ	< 10 UJ	5.4 J	< 10 U	< 10 UJ
PCBs (ug/L)												
Aroclor 1016	12674-11-2	0.09	< 0.51 U	NS	< 0.51 U	NS	NS	NS	NS	NS	< 0.51 U	NS
Aroclor 1221	11104-28-2	0.09	< 0.51 U	NS	< 0.51 U	NS	NS	NS	NS	NS	< 0.51 U	NS
Aroclor 1232	11141-16-5	0.09	< 0.51 U	NS	< 0.51 U	NS	NS	NS	NS	NS	< 0.51 U	NS
Aroclor 1242	53469-21-9	0.09	< 0.51 U	NS	< 0.51 U	NS	NS	NS	NS	NS	< 0.51 U	NS
Aroclor 1248	12672-29-6	0.09	< 0.51 U	NS	< 0.51 U	NS	NS	NS	NS	NS	< 0.51 U	NS
Aroclor 1254	11097-69-1	0.09	< 0.51 U	NS	< 0.51 U	NS	NS	NS	NS	NS	< 0.51 U	NS
Aroclor 1260	11096-82-5	0.09	< 0.51 U	NS	< 0.51 U	NS	NS	NS	NS	NS	< 0.51 U	NS
Aroclor 1262	37324-23-5	0.09	< 0.51 U	NS	< 0.51 U	NS	NS	NS	NS	NS	< 0.51 U	NS
Aroclor 1268	11100-14-4	0.09	< 0.51 U	NS	< 0.51 U	NS	NS	NS	NS	NS	< 0.51 U	NS
Pesticides (ug/L)												
Aldrin	309-00-2	NL	< 0.051 U	NS	< 0.051 U	NS	NS	NS	NS	NS	< 0.051 U	NS
Alpha-BHC	319-84-6	0.01	< 0.051 U	NS	< 0.051 U	NS	NS	NS	NS	NS	< 0.051 U	NS
Beta-BHC	319-85-7	0.04	< 0.051 U	NS	< 0.051 U	NS	NS	NS	NS	NS	< 0.051 U	NS
Chlordane	57-74-9	NL	< 0.51 U	NS	< 0.51 U	NS	NS	NS	NS	NS	< 0.51 U	NS
DDD,4,4-	72-54-8	0.3	< 0.051 U	NS	< 0.051 U	NS	NS	NS	NS	NS	< 0.051 U	NS
DDE,4,4-	72-55-9	0.2	< 0.051 U	NS	< 0.051 U	NS	NS	NS	NS	NS	< 0.051 U	NS
DDT,4,4-	50-29-3	0.2	< 0.051 U	NS	< 0.051 U	NS	NS	NS	NS	NS	< 0.051 U	NS
Delta-BHC	319-86-8	0.04	< 0.051 U	NS	< 0.051 U	NS	NS	NS	NS	NS	< 0.051 U	NS
Dieldrin	60-57-1	0.004	< 0.051 U	NS	< 0.051 U	NS	NS	NS	NS	NS	< 0.051 U	NS
Endosulfan I	959-98-8	NL	< 0.051 U	NS	< 0.051 U	NS	NS	NS	NS	NS	< 0.051 U	NS
Endosulfan II	33213-65-9	NL	< 0.051 U	NS	< 0.051 U	NS	NS	NS	NS	NS	< 0.051 U	NS
Endosulfan sulfate	1031-07-8	NL	< 0.051 U	NS	< 0.051 U	NS	NS	NS	NS	NS	< 0.051 U	NS
Endrin	72-20-8	0	< 0.051 U	NS	< 0.051 U	NS	NS	NS	NS	NS	< 0.051 U	NS
Endrin aldehyde	7421-93-4	5	< 0.051 U	NS	< 0.051 U	NS	NS	NS	NS	NS	< 0.051 U	NS
Endrin ketone	53494-70-5	5	< 0.051 U	NS	< 0.051 U	NS	NS	NS	NS	NS	< 0.051 U	NS
Gamma BHC - Lindane	58-89-9	0.05	< 0.051 U	NS	< 0.051 U	NS	NS	NS	NS	NS	< 0.051 U	NS
Heptachlor	76-44-8	0.04	< 0.051 U	NS	< 0.051 U	NS	NS	NS	NS	NS	< 0.051 U	NS
Heptachlor Epoxide	1024-57-3	0.03	< 0.051 U	NS	< 0.051 U	NS	NS	NS	NS	NS	< 0.051 U	NS
Methoxychlor	72-43-5	35	< 0.051 U	NS	< 0.051 U	NS	NS	NS	NS	NS	< 0.051 U	NS
Toxaphene	8001-35-2	0.06	< 0.51 U	NS	< 0.51 U	NS	NS	NS	NS	NS	< 0.51 U	NS
Herbicides (ug/L)												
2,4,5-TP (Silvex)	93-72-1	0.26	< 0.52 U	NS	< 0.51 U	NS	NS	NS	NS	NS	< 0.52 U	NS
2,4-D	94-75-7	50	< 0.52 U	NS	< 0.51 U	NS	NS	NS	NS	NS	< 0.52 U	NS
T,2,4,5-	93-76-5	35	< 0.52 U	NS	< 0.51 U	NS	NS	NS	NS	NS	< 0.52 U	NS

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Table 4
Summary of Soil Boring Spreadsheet with Depths and Impacts
Jamaica Gas & Light Former MGP Site
Queens, New York



Boring	Depth	Bottom	USCS	Visual	Odor
SB-1/MW-1	0	7.5	FILL		
SB-1/MW-1	7.5	40	SW		
SB-2/MW-2	0	10	FILL		
SB-2/MW-2	10	15	ML		
SB-2/MW-2	15	17.5	CL		
SB-2/MW-2	17.5	20	ML		
SB-2/MW-2	20	40	SW		
SB-3	0	10	FILL		
SB-3	10	11.75	FILL		slight tar-like odor
SB-4	0	8.5	FILL		
SB-4	8.5	13	FILL		slight tar-like odor
SB-5/MW-5	0	7.5	FILL		
SB-5/MW-5	7.5	40	SW		
SB-6	0	10	FILL		
SB-6	10	40	SW		
SB-7	0	10	FILL		
SB-7	10	21	SM		
SB-7	21	40	SW		
SB-8/MW-3	0	16.5	FILL		
SB-8/MW-3	16.5	17	FILL	tar coating	slight tar-like odor
SB-8/MW-3	17	19	FILL		slight naphthalene-like odor
SB-8/MW-3	19	45	SW		
SB-9	0	9	FILL		
SB-9	9	13	FILL		slight tar-like odor
SB-9	13	13.5	FILL	tar coating	
SB-9	13.5	14	FILL		slight tar-like odor
SB-9	14	33	SW		slight tar-like odor
SB-9	33	40	SW		
SB-10	0	12.5	FILL		
SB-10	12.5	15	SW	tar coating	strong tar-like odor
SB-10	15	17.5	SP	tar coating	strong tar-like odor
SB-10	17.5	20	SW	tar staining	strong tar-like odor
SB-10	20	23.5	SW		slight tar-like odor
SB-10	23.5	26.2	SW	tar staining	slight tar-like odor
SB-10	26.2	26.8	SW	tar staining	slight to moderate tar-like odor
SB-10	26.8	40	SW		
SB-11	0	6	FILL		
SB-11	6	40	SW		
SB-12	0	5	FILL		
SB-12	5	7.5	FILL	tar coating	slight tar-like odor
SB-12	7.5	7.75	Fill		
SB-12	7.75	8	SW	tar coating	slight tar-like odor
SB-12	8	20	SW		
SB-12	20	25	SP		
SB-12	25	40	SW		
SB-13/MW-6	0	7.5	FILL		
SB-13/MW-6	7.5	32.5	SW		
SB-13/MW-6	32.5	35	SM		
SB-13/MW-6	35	40	SW		
SB-14	0	16	FILL		
SB-14	16	20	SW		
SB-14	20	20.75	ML		
SB-14	20.75	25	SW		
SB-14	25	26	SM		
SB-14	26	40	SW		
SB-15/MW-4	0	5	FILL		

Table 4
Summary of Soil Boring Spreadsheet with Depths and Impacts
Jamaica Gas & Light Former MGP Site
Queens, New York



Boring	Depth	Bottom	USCS	Visual	Odor
SB-15/MW-4	5	21.5	SW		
SB-15/MW-4	21.5	22	SM		
SB-15/MW-4	22	40	SW		
SB-16	0	12.5	FILL		
SB-16	12.5	40	SW		
SB-17	0	10	FILL		
SB-17	10	15	SM		
SB-17	15	40	SW		
SB-18	0	1	FILL		
SB-18	1	25	SW		
SB-18	25	27	SP		
SB-18	27	40	SW		
SB-19	0	3	FILL		
SB-19	3	15	SW		
SB-19	15	17.5	SM		
SB-19	17.5	40	SW		
SB-20/MW-7	0	10	FILL		
SB-20/MW-7	10	15	FILL	tar staining	slight tar-like odor
SB-20/MW-7	15	17.5	FILL	tar staining	
SB-20/MW-7	17.5	40	SW		
SB-21/MW-8	0	10	FILL		
SB-21/MW-8	10	15	SW		
SB-21/MW-8	15	28	SP		
SB-21/MW-8	28	40	SW		
SB-22/MW-9	0	5	FILL		
SB-22/MW-9	5	8	FILL		moderate tar-like odor
SB-22/MW-9	8	9	FILL		
SB-22/MW-9	9	10	FILL		moderate tar-like odor
SB-22/MW-9	10	20	SP		
SB-22/MW-9	20	40	SW		
SB-23/MW-10	0	17.5	FILL		
SB-23/MW-10	17.5	40	SW		