Attachment C14(d)

Proponent Phase I and Phase II Environmental Site Assessment (4/8)

Appendix E

Plates

Plate	Description
	Fragments of ACM on ground surface, between Unit 9 and the Sites northern boundary. Pieces of slag, broken glass, ash/coke and metal also present.
	Slag nodule on ground surface on the northern side of Unit 9.
	Example of mixed/variable filling material at borehole BH22. The red-brown material (bottom tube, between the jars) is believed to be foundry/casting sand, logged as “Ironstone gravels”.

Example of mixed/variable filling material at borehole BH10.

Example of mixed/variable filling material at borehole BH18.

Fill material from BH100.

Appendix F

Logs

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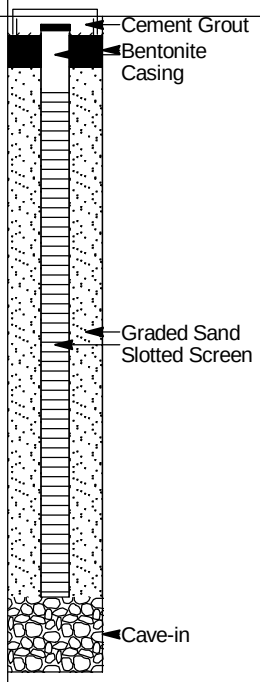
Sydney NSW 2000

MONITORING WELL LOG BH01 / MW01

PROJECT NUMBER	60438840	**DATE**	21 & 22 August 2015
PROJECT NAME	Burrows Industrial Estate	**BLANK**	0.0 to 0.454 m bgs
LOCATION	1-3 Burrows Road, Alexandria NSW	**SCREEN**	0.454 to 3.454 m bgs
DRILLING METHOD	Hand Auger / Push-tube / Solid Auger	**GRAVEL PACK**	0.3 to 3.454 m bgs
SAMPLING METHOD	Hand Auger / Push-tube	**SANITARY SEAL/BENTONITE**	0.1 to 0.3 m bgs
SURFACE ELEVATION	2.210 m AHD	**STABILISED WATER LEVEL**	1.030 m BTOC
WELL HEAD/TOC	2.12 m AHD	**GROUND WATER ELEVATION**	1.090 m AHD
LOGGED BY	K. Pigram	**NORTHING**	6245408.202
COMMENTS		**EASTING**	331543.004

PID (ppm)	RECOVERY	SAMPLE NUMBER	ANALYSED	DEPTH (m BGS)	GRAPHIC LOG	USCS CLASS	LITHOLOGIC DESCRIPTION	CONTACT DEPTH
						CONCRETE	Concrete Slab	0.17
				0.2		FILL	Gravel FILL. Roadbase	0.19
0.1		BH01_0.3-0.4	✳	0.4		CONCRETE FILL	Concrete Slab	0.30
				0.6			Gravelly Sand FILL. Dark brown with orange ironstone gravels, medium grained sand, loose to medium dense, dry to slightly moist. Contains minor silt, ironstone gravels (20%), sand (80%) and piece of white porcelain.	
				0.8				
		BH01_1.0-1.1	✳	1.0				
				1.2			Becoming slightly moist from 1.0 m bgs. Contains minor soft, low plasticity clay (10%).	
				1.4			Water level at 1.25 m bgs; measured in borehole with tape measure	
				1.6				
				1.8				
		BH01_2.0-2.1		2.0		FILL	Sandy Clay FILL. Possible reworked natural. Dark grey brown with light grey mottling, medium stiff, moist to saturated, low plasticity.	2.00
				2.2				
				2.4				
				2.6				
		BH01_2.8-3.0		2.8		CL	Sandy CLAY. Dark grey/brown, medium stiff, saturated, medium plasticity. Contains shells, clay content increasing with depth. Slight hydrogen sulphide odour noted.	2.80
				3.0				
				3.2				
				3.4				
				3.6				
		BH01_3.8-3.9	✳	3.8			Becoming light grey from 3.8 m bgs.	3.90
							Borehole terminated at 3.9 m bgs; target depth reached Total Depth: 3.90 m	

WELL DIAGRAM



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BOREHOLE_ LOG BH02

PROJECT NUMBER	60438840	**DATE**	29 Aug 15
PROJECT NAME	Burrows Industrial Estate		
LOCATION	1-3 Burrows Road, Alexandria NSW		
DRILLING METHOD	Hand Auger / Push-tube / Solid Auger		
SAMPLING METHOD	Hand Auger / Push-tube		
SURFACE ELEVATION	2.580 m AHD		
LOGGED BY	K. Pigram	**NORTHING**	6245363.848
COMMENTS		**EASTING**	331576.145

PID (ppm)	RECOVERY	SAMPLE NUMBER	ANALYSED	DEPTH (m BGS)	GRAPHIC LOG	USCS CLASS	LITHOLOGIC DESCRIPTION	CONTACT DEPTH
				0.2		CONCRETE	Concrete Slab	0.32
0.2		BH02_0.4-0.5	✳	0.4		CONCRETE	Concrete gravels/broken pieces of Slab	0.40
				0.6		FILL	Gravelly Sand FILL. Grey/brown and white, loose to medium dense, dry to slightly moist. Contains sandstone and concrete gravels (<10 mm diameter).	
				0.8			Refusal with hand auger at 0.8 m bgs; switch to push-tube.	
0.4		BH02_1.0-1.1		1.0			Becoming moist from 1.0 m bgs. Contains terracotta, glass and ceramic fragments and concrete gravels.	
				1.2 ▽			Becoming saturated at 1.3 m bgs	
				1.4				
				1.6				1.70
				1.8		FILL	Clayey Gravelly Sand FILL. Dark grey/brown, dense, saturated. Contains slag and ceramic gravels (30%), soft, low plasticity clay (20%), medium grained sand (40%) and minor silt.	
2.9		BH02_2.0-2.1	✳	2.0				
				2.2				
				2.4				
				2.6				
				2.8				2.90
14.1		BH02_3.0-3.1	✳	3.0		CH	CLAY. Dark grey/brown / black, medium stiff, saturated, high plasticity. Contains trace sand and trace silt and shell fragments. Slight hydrogen sulphide odour.	
				3.2				
				3.4		CL-CH	Sandy CLAY. Dark grey/brown, stiff, saturated, medium to high plasticity. Contains fine to medium grained sand (20%) and shell fragments. Slight to moderate hydrogen sulphide odour.	3.40
				3.6				
2.5		BH02_3.8-3.9		3.8				3.90
							Borehole terminated at 3.9 m bgs; target depth reached Total Depth: 3.90 m	

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BOREHOLE_ LOG BH03

PROJECT NUMBER	60438840	**DATE**	29 Aug 15
PROJECT NAME	Burrows Industrial Estate		
LOCATION	1-3 Burrows Road, Alexandria NSW		
DRILLING METHOD	Hand Auger / Push-tube / Solid Auger		
SAMPLING METHOD	Hand Auger / Push-tube		
SURFACE ELEVATION	2.320 m AHD		
LOGGED BY	K. Pigram	**NORTHING**	6245317.163
COMMENTS		**EASTING**	331596.394

PID (ppm)	RECOVERY	SAMPLE NUMBER	ANALYSED	DEPTH (m BGS)	GRAPHIC LOG	USCS CLASS	LITHOLOGIC DESCRIPTION	CONTACT DEPTH
						CONCRETE	Concrete Slab	0.14
0.1		BH03_0.2-0.3	✳	0.2		FILL	Gravelly Sand FILL. Dark brown/grey, yellow, white, fine to medium grained, medium dense, slightly moist. Contains minor silt, sandstone and roadbase gravels (30%, <10 mm diameter).	
0.3		BH03_0.5-0.6		0.4, 0.6			Becoming white and dark grey/brown mottling and dense from 0.3 m bgs. Contains crushed sandstone.	0.80
				0.8		FILL	Refusal with hand auger at 0.6 m bgs on sandstone boulders; switch to solid auger.	
3.4		BH03_1.0-1.2	✳	1.0, 1.2			Switch to push-tube at 0.8 m bgs	
2.1		BH03_1.4-1.5		1.4, 1.6, 1.8			Gravelly Clayey Sand FILL. Dark grey/brown, dense, moist to saturated. Contains sandstone and slag gravels (30%), sand (40%) and medium stiff, low plasticity clay (30%). Becoming very dark/brown and saturated from 1.3 m bgs.	
0.7		BH03_2.0-2.1		2.0, 2.2, 2.4, 2.6, 2.8			As above, contains sand (50%), minor silt (10%), soft, low plasticity clay (20%), slag gravels and ceramic pieces (20%).	
19.5		BH03_3.0-3.1	✳	3.0, 3.2, 3.4, 3.6		CH	Sandy CLAY. Dark grey/brown, stiff, saturated, medium to high plasticity. Contains trace silt and fine to medium grained sand (20%), shell fragments. Moderate hydrogen sulphide odour.	3.00
21.3		BH03_3.8-3.9		3.8			Borehole terminated at 3.9 m bgs; target depth reached Total Depth: 3.90 m	3.90

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BOREHOLE_ LOG BH04

PROJECT NUMBER	60438840	**DATE**	20 Aug 15
PROJECT NAME	Burrows Industrial Estate		
LOCATION	1-3 Burrows Road, Alexandria NSW		
DRILLING METHOD	Hand Auger / Push-tube / Solid Auger		
SAMPLING METHOD	Hand Auger / Push-tube		
SURFACE ELEVATION	2.250 m AHD		
LOGGED BY	L. Gibb	**NORTHING**	6245416.112
COMMENTS		**EASTING**	331553.645

PID (ppm)	RECOVERY	SAMPLE NUMBER	ANALYSED	DEPTH (m BGS)	GRAPHIC LOG	USCS CLASS	LITHOLOGIC DESCRIPTION	CONTACT DEPTH
						ASPHALT	Bitumen Hardstand	0.06
0.0		BH04_0.15-0.25		0.2		CONCRETE	Concrete Slab	0.20
				0.4		FILL	Gravelly Sand FILL. Black and grey, loose, moist. Contains minor medium sitff, low plasticity clay pockets, subangular blue metal gravels, minor vesicular slag gravels (2-5 mm diameter).	
				0.6				
0.5		BH04_0.5-0.6	✳	0.8		FILL	Becoming black with brown mottling from 0.4 m bgs. Mild hydrocarbon odour.	0.80
				1.0			Becoming brown with orange mottling from 0.6 m bgs	1.10
				1.2 ▽		FILL	Silty Sandy Gravel FILL. Black/brown with orange mottling, medium dense, slightly moist.	
0.6		BH04_1.0-1.1	✳	1.4			Contains ceramic tile fragments, aluminium, ironstone gravels from 0.9 m bgs. Slight odour noted.	1.50
0.1		BH04_1.5-1.6		1.6		FILL	Silty Gravelly Sand FILL. Very moist to saturated. Contains vesicular slag (10 mm diameter), shell fragments. Slight odour noted.	
				1.8				
				2.0			Sandy Gravel FILL. Saturated. Iron stained slag gravels with pockets of grey medium to coarse grained silty sand. Contains shell fragments and rusted bolts and nails.	
				2.2				
0.1		BH04_2.3-2.4	✳	2.4		CL		2.30
				2.6		SM	Silty CLAY. Dark grey and black, moist, medium plasticity. Contains organic fibres. Slight hydrogen sulphide odour.	2.50
0.2		BH04_2.7-2.8		2.8			Silty SAND. Light grey and dark brown, fine to medium grained, moist. Contains organic fibres and shell fragments.	
				3.0			Becoming light browm, medium dense and saturated from 2.7 m bgs. Contains numerous organic fibres. Organic odour noted.	
				3.2				
				3.4				
0.1		BH04_3.5-3.6		3.6			Contains high shell fragment content and organic fibres from 3.5 m bgs	
				3.8				
							Borehole terminated at 3.9 m bgs; target depth reached Total Depth: 3.90 m	3.90

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BOREHOLE_ LOG BH05

PROJECT NUMBER	60438840	**DATE**	20 Aug 15
PROJECT NAME	Burrows Industrial Estate		
LOCATION	1-3 Burrows Road, Alexandria NSW		
DRILLING METHOD	Hand Auger / Push-tube / Solid Auger		
SAMPLING METHOD	Hand Auger / Push-tube		
SURFACE ELEVATION	2.190 m AHD		
LOGGED BY	L. Gibb	**NORTHING**	6245401.397
COMMENTS		**EASTING**	331587.754

PID (ppm)	RECOVERY	SAMPLE NUMBER	ANALYSED	DEPTH (m BGS)	GRAPHIC LOG	USCS CLASS	LITHOLOGIC DESCRIPTION	CONTACT DEPTH
						ASPHALT	Bitumen Hardstand	0.05
				0.2		CONCRETE		0.19
1.0		BH05_0.25-0.35				FILL	Concrete Slab	0.40
				0.4		FILL	Gravelly Sand FILL. Black and dark brown, medium to coarse grained, loose to medium dense, dry. Contains pockets of silt, sandstone and blue metal gravels. Slight odour.	0.50
1.8		BH05_0.5-0.6	✳	0.6		FILL		
				0.8			Clay FILL. Orange with black mottling, stiff, high plasticity. Contains rusted nails and sandstone gravels (20-50 mm diameter).	
0.4		BH05_1.0-1.1	✳	1.0			Silty Sand FILL. Black, medium to coarse grained, medium dense, dry. Contains minor sandstone gravels, glass and ceramic fragments. Slight odour noted.	
				1.2 ▽				
				1.4			Iron staining of sandstone gravels noted from 0.8 m bgs. Contains bone and slag fragments.	
0.0		BH05_1.5-1.6		1.6			Becoming very moist from 1.0 m bgs. Contains glass, metal and ceramic fragments. Slight odour noted.	
				1.8				
				2.0			Becoming saturated from 1.3 m bgs	
				2.2			Contains numerous glass and ceramic fragments from 1.5 m bgs	2.30
0.7		BH05_2.3-2.4	✳	2.4		ML	Sandy SILT. Brown with black mottling, saturated. Strong sulphuric odour noted.	2.50
				2.6		SM	Silty SAND. Light grey with black mottling. Strong sulphuric odour noted.	
0.4		BH05_2.7-2.8		2.8			Becoming dark grey from 2.7 m bgs. Increase in Silt content and strong sulphuric odour noted.	3.00
0.7		BH05_3.0-3.1		3.0		ML	Sandy SILT. Dark grey, fine grained, saturated. Contains high silt content and minor organic fibres.	
				3.2				
				3.4				3.50
				3.6		SM	Silty SAND. Dark grey/black and light grey, fine to medium grained. Contains numerous shell fragments. Strong hydorgen sulphide odour noted.	
0.5		BH05_3.7-3.8		3.8			Increase in silt content and strong hydrogen sulphide odour noted from 3.7 m bgs	3.90
							Decreasing shell fragments noted from 3.8 m bgs	
							Borehole terminated at 3.9 m bgs; target depth reached Total Depth: 3.90 m	

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BOREHOLE_ LOG BH06

PROJECT NUMBER	60438840	**DATE**	21 Aug 15
PROJECT NAME	Burrows Industrial Estate		
LOCATION	1-3 Burrows Road, Alexandria NSW		
DRILLING METHOD	Hand Auger / Push-tube / Solid Auger		
SAMPLING METHOD	Hand Auger / Push-tube		
SURFACE ELEVATION	2.690 m AHD		
LOGGED BY	K. Pigram	**NORTHING**	6245356.492
COMMENTS		**EASTING**	331632.445

PID (ppm)	RECOVERY	SAMPLE NUMBER	ANALYSED	DEPTH (m BGS)	GRAPHIC LOG	USCS CLASS	LITHOLOGIC DESCRIPTION	CONTACT DEPTH
						CONCRETE	Concrete Slab	0.15
				0.2		FILL	Gravelly Sand FILL. Yellow, medium grained. Contains minor sandstone gravels.	0.40
				0.4		FILL	Hand auger refusal at 0.4 m bgs; switch to solid auger.	0.65
				0.6		FILL	Gravel FILL. Light grey/white. Slightly weathered sandstone.	
				0.8			Swtich to push-tube at 0.65 m bgs.	1.10
0.2		BH06_1.0-1.1	✳	1.0			Gravelly Sand FILL. Loose to medium dense, dry.	
							Push-tube refusal at 0.8 m bgs; switch to solid augers.	
							Borehole terminated at 1.1 m bgs; refusal with solid augers on concrete - abandon borehole. Total Depth: 1.10 m	

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BOREHOLE_ LOG BH07

PROJECT NUMBER	60438840	**DATE**	20 Aug 15
PROJECT NAME	Burrows Industrial Estate		
LOCATION	1-3 Burrows Road, Alexandria NSW		
DRILLING METHOD	Hand Auger / Push-tube / Solid Auger		
SAMPLING METHOD	Hand Auger / Push-tube		
SURFACE ELEVATION	2.560 m AHD		
LOGGED BY	L. Gibb	**NORTHING**	6245440.796
COMMENTS		**EASTING**	331577.783

PID (ppm)	RECOVERY	SAMPLE NUMBER	ANALYSED	DEPTH (m BGS)	GRAPHIC LOG	USCS CLASS	LITHOLOGIC DESCRIPTION	CONTACT DEPTH
						ASPHALT	Bitumen Hardstand	0.05
				0.2		CONCRETE	Concrete Slab	0.20
0.1		BH07_0.4-0.5		0.4		FILL	Gravelly Sand FILL. Black. Contains brick and sandstone gravels and minor slag gravels.	
				0.6				0.68
							Borehole terminated at 0.68 m bgs; refusal with hand auger - relocate borehole Total Depth: 0.68 m	

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BOREHOLE_ LOG BH07A

PROJECT NUMBER	60438840	**DATE**	20 Aug 15
PROJECT NAME	Burrows Industrial Estate		
LOCATION	1-3 Burrows Road, Alexandria NSW		
DRILLING METHOD	Hand Auger / Push-tube / Solid Auger		
SAMPLING METHOD	Hand Auger / Push-tube		
SURFACE ELEVATION	2.560 m AHD		
LOGGED BY	L. Gibb	**NORTHING**	6245440.796
COMMENTS		**EASTING**	331577.783

PID (ppm)	RECOVERY	SAMPLE NUMBER	ANALYSED	DEPTH (m BGS)	GRAPHIC LOG	USCS CLASS	LITHOLOGIC DESCRIPTION	CONTACT DEPTH
						ASPHALT	Bitumen Hardstand	0.05
0.1		BH07A_0.15-0.25		0.2		CONCRETE	Concrete Slab	0.15
				0.4		FILL	Silty Gravel FILL. Black, saturated (from concrete coring). Contains slag gravels, weathered brick fragments and plastic.	0.50
0.1		BH07A_0.5-0.6	✳	0.6		FILL	Silty Sand FILL. Black, coarse grained sand. Contains small slag gravels, rusted metal and glass fragments.	0.70

Borehole terminated at 0.7 m bgs; hand auger refusal on bricks and concrete - relocate borehole
Total Depth: 0.70 m

60438840_BORELOGS_20150826.GPJ 28/9/15

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BOREHOLE_ LOG BH07B

PROJECT NUMBER	60438840	**DATE**	21 Aug 15
PROJECT NAME	Burrows Industrial Estate		
LOCATION	1-3 Burrows Road, Alexandria NSW		
DRILLING METHOD	Hand Auger / Push-tube / Solid Auger		
SAMPLING METHOD	Hand Auger / Push-tube		
SURFACE ELEVATION	2.560 m AHD		
LOGGED BY	L. Gibb	**NORTHING**	6245440.796
COMMENTS		**EASTING**	331577.783

PID (ppm)	RECOVERY	SAMPLE NUMBER	ANALYSED	DEPTH (m BGS)	GRAPHIC LOG	USCS CLASS	LITHOLOGIC DESCRIPTION	CONTACT DEPTH
						ASPHALT	Bitumen Hardstand	0.05
						CONCRETE	Concrete Slab	0.19
0.0		BH07B_0.2-0.3		0.2		FILL	Gravelly Sand FILL. Dark brown with iron staining, loose to medium dense, slightly moist. Contains grey slag and ironstone gravels. Potential bonded ACM fragment noted.	
0.1		BH07B_0.5-0.6		0.4, 0.6				
0.1		BH07B_0.8-0.9		0.8		FILL	Increase in silt content and decrease in slag gravels from 0.5 m bgs. Contains green degraded fibrous material.	0.80
0.1		BH07B_1.0-1.1		1.0		FILL	Large fragment of red and black slag noted at 0.7 m bgs	1.00
0.9		BH07B_1.2-1.3	✳	1.2		FILL	Gravelly Silty FILL. Black, grey and orange, slightly moist. Contains metallic slag gravels (5-10 mm diameter) and pockets of silty clay.	1.30
0.4		BH07B_1.6-1.7		1.4, 1.6, 1.8		FILL	Silty Sand FILL. Dark brown, coarse grained, slightly moist. Contains subangular ironstone gralves (<2-5 mm diameter) and fragments of rusted metal. Switch to push-tube at 1.1 m bgs.	1.80
0.4		BH07B_2.3-2.4	✳	2.0, 2.2, 2.4		CH	Becoming dark brown/black from 1.1 m bgs. Contains ceramic tile, glass and metal fragments and slag gravels. Pockets of black staining noted and becoming moist from 1.2 m bgs. Contains glass, bark, ceramic and shell fragments.	2.30
0.3		BH07B_2.8-2.9		2.6, 2.8, 3.0		SM	Silty Clay FILL. Orange with black mottling. Becoming grey with orange mottling and moist to saturated from 1.5 m bgs. Contains minor ironstone gravels. Slight odour noted.	2.80
							Silty Gravel FILL. Orange/red brown, saturated. Ironstone gravels.	3.00
							Silty CLAY. Dark grey, medium stiff, high plasticity, saturated. Hydrogen sulphide odour. Becoming soft with high plasticity from 2.6 m bgs. Increase in grey sand content.	
							Sandy SILT. Dark grey, medium dense, saturated. Hydrogen sulphide odour.	
							Borehole terminated at 3.0 m bgs; target depth reached Total Depth: 3.00 m	

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BOREHOLE_ LOG BH08

PROJECT NUMBER	60438840	**DATE**	20 Aug 15
PROJECT NAME	Burrows Industrial Estate		
LOCATION	1-3 Burrows Road, Alexandria NSW		
DRILLING METHOD	Hand Auger / Push-tube / Solid Auger		
SAMPLING METHOD	Hand Auger / Push-tube		
SURFACE ELEVATION	2.600 m AHD		
LOGGED BY	L. Gibb	**NORTHING**	6245424.019
COMMENTS		**EASTING**	331611.759

PID (ppm)	RECOVERY	SAMPLE NUMBER	ANALYSED	DEPTH (m BGS)	GRAPHIC LOG	USCS CLASS	LITHOLOGIC DESCRIPTION	CONTACT DEPTH
						ASPHALT	Bitumen Hardstand	0.02
0.5		BH08_0.17-0.18	✳	0.2		CONCRETE	Concrete Slab	0.14
				0.4		FILL	Gravelly Sand FILL. Black with orange/yellow mottling, medium to coarse grained. Contains sandstone and ironstone gravels (2-5 mm diameter).	0.40
0.2		BH08_0.5-0.6		0.6		FILL	Silty Sand FILL. Light brown, medium to coarse grained sand. Contains sandstone gravels (5-10 mm diameter) and minor silt.	
				0.8				
0.2		BH08_1.0-1.1	✳	1.0		FILL	Increase in sandstone and ironstone gravel content and large slag gravels noted from 0.7 m bgs.	1.00
				1.2			Scrap aluminium metal noted from 0.9 m bgs	
				1.4			Gravelly Sand FILL. Black with orange mottling, coarse grained. Contains rusted metal fragments, subangular sandstone and slag gravels (5-10 mm diameter).	
				1.6			Switch to push-tube from 1.2 m bgs - no recovery in push-tube from 1.2 to 2.2 m bgs	
				1.8				
				2.0				
				2.2		FILL	Gravelly Sand FILL. Black, saturated. Contains large slag gravels.	2.20
				2.4				
0.3		BH08_2.5-2.6	✳	2.6				2.70
				2.8		SM	Silty SAND. Black/dark grey, fine to medium grained, saturated. Strong sulphuric odour.	
				3.0				
				3.2				
				3.4				
				3.6				
0.5		BH08_3.7-3.8	✳	3.8			Becoming dark grey with brown mottling from 3.7 m bgs. Increase in silt content noted.	
				4.0		CH	Silty CLAY. Dark grey, medium stiff, saturated, high plasticity. Strong sulphuric odour noted.	4.00
1.9		BH08_4.0-4.2		4.2				
4.1		BH08_4.4-4.5		4.4			Increase in sand content noted from 4.3 m bgs. Contains minor shell fragments. Strong sulphuric odour noted.	
				4.6			No recovery in push-tube from 4.5 to 5.1 m bgs	
				4.8				
				5.0				5.10
							Borehole terminated at 5.1 m bgs; target depth reached Total Depth: 5.10 m	

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BOREHOLE_ LOG BH09

PROJECT NUMBER	60438840	**DATE**	21 Aug 15
PROJECT NAME	Burrows Industrial Estate		
LOCATION	1-3 Burrows Road, Alexandria NSW		
DRILLING METHOD	Hand Auger / Push-tube / Solid Auger		
SAMPLING METHOD	Hand Auger / Push-tube		
SURFACE ELEVATION	3.040 m AHD		
LOGGED BY	L. Gibb & K. Pigram	**NORTHING**	6245404.251
COMMENTS		**EASTING**	331640.584

PID (ppm)	RECOVERY	SAMPLE NUMBER	ANALYSED	DEPTH (m BGS)	GRAPHIC LOG	USCS CLASS	LITHOLOGIC DESCRIPTION	CONTACT DEPTH
						CONCRETE	Concrete Slab	0.14
0.1		BH09_0.15-0.25	✳	0.2		FILL	Gravelly Sand FILL. Yellow, medium grained. Contains minor sandstone gravels.	
0.2		BH09_0.25-0.35	✳	0.4			Becoming pink, medium to coarse grained from 0.25 m bgs. Increase in sub-rounded sandstone gravel content.	
0.1		BH09_0.4-0.5		0.6		FILL	Becoming black/dark brown from 0.4 m bgs. Contains brick fragments and sandstone gravels.	0.50
				0.8				
				1.0			Hand auger refusal at 0.5 m bgs on Sandstone. Switch to Solid Auger on Geoprobe.	
				1.2				
				1.4			Gravelly Sand FILL. Brown with light orange/brown and white sandstone gravels, dry dense.	
0.1		BH09_1.5-1.6		1.6				
				1.8				
				2.0			Band of crushed concrete noted from 2.0 to 2.2 m bgs	
0.5		BH09_2.2-2.3		2.2			Becoming dark brown with red/brown, dry to slightly moist. Contains sandstone and ironstone gravels, minor silt and black ash.	
				2.4				
				2.6				
				2.8			Becoming dark brown/black, moist to saturated from 2.7 m bgs. Contains sandstone and ironstone gravels and slag gravels (<10 mm diameter).	
0.4		BH09_3.0-3.1		3.0			Becoming green/brown from 3.0 to 3.1 m bgs. Sample collected	
				3.2				
				3.4				
				3.6				
				3.8				
0.4		BH09_4.0-4.2	✳	4.0				
139.8		BH09_4.2-4.3		4.2		SC	Clayey SAND. Grey/brown, medium dense, saturated. Minor medium stiff, low to medium plasticity clay (20%). Moderate hydrogen sulphide odour.	4.20
				4.4				4.50
390.1		BH09_4.5-4.6	✳	4.6		CL	Sandy CLAY. Dark grey/brown, saturated. Contains minor shell fragments. Sand content decreasing with depth. Moderate to strong hydrogen sulphide odour.	
				4.8				
				5.0				
				5.2				5.30

Borehole terminated at 5.3 m bgs; target depth reached
Total Depth: 5.30 m

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Level 21, 420 George Street
Sydney NSW 2000

BOREHOLE_ LOG BH10

PROJECT NUMBER	60438840	**DATE**	21 Aug 15
PROJECT NAME	Burrows Industrial Estate		
LOCATION	1-3 Burrows Road, Alexandria NSW		
DRILLING METHOD	Hand Auger / Push-tube / Solid Auger		
SAMPLING METHOD	Hand Auger / Push-tube		
SURFACE ELEVATION	2.910 m AHD		
LOGGED BY	L. Gibb & K. Pigram	**NORTHING**	6245375.677
COMMENTS		**EASTING**	331665.802

PID (ppm)	RECOVERY	SAMPLE NUMBER	ANALYSED	DEPTH (m BGS)	GRAPHIC LOG	USCS CLASS	LITHOLOGIC DESCRIPTION	CONTACT DEPTH
						CONCRETE	Concrete Slab	0.15
0.1		BH10_0.15-0.25	✳	0.2		FILL	Gravelly Sand FILL. Yellow, medium grained. Contains minor sandstone gravels.	
0.2		BH10_0.4-0.5		0.4			Becoming pink/brown, medium to coarse grained from 0.4 m bgs. Increase in well rounded sandstone gravel content.	
				0.6				
				0.8			Hand auger refusal at 0.55 m bgs on Sandstone; switch to Solid Augers on Geoprobe	
0.1		BH10_1.0-1.1		1.0			Becoming light grey, brown, black, orange, medium dense, dry to slightly moist. Contains ash, concrete, ironstone and slag gravels (40%), sand (60%).	
				1.2				
				1.4				
				1.6				
				1.8				
				2.0				2.10
0.2		BH10_2.1-2.2		2.2		FILL	Clayey Gravelly Sand FILL. Brown and dark grey/brown, medium dense, moist to saturated. Contains sand (40%), slag gravels (40%) and soft low plasticity clay (20%).	
				2.4				
				2.6				
				2.8				
0.4		BH10_3.0-3.1		3.0			Clay content increasing with depth; approx. 30% from 3.0 m bgs	
				3.2				
				3.4				
				3.6				
				3.8				3.90
20.1		BH10_4.0-4.1	✳	4.0		SC	Clayey SAND. Dark brown, medium dense, saturated. Contains sand (70%) and clay (30%).	
				4.2				
				4.4				4.50
				4.6		CL	Sandy CLAY. Dark brown, medium stiff, saturated, medium plasticity. Contains clay (60%) and sand (40%). Slight hydrogen sulphide odour.	
				4.8				
				5.0				5.10
							Borehole terminated at 5.1 m bgs; target depth reached Total Depth: 5.10 m	

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BOREHOLE_ LOG BH11

PROJECT NUMBER 60438840
PROJECT NAME Burrows Industrial Estate
LOCATION 1-3 Burrows Road, Alexandria NSW
DRILLING METHOD Hand Auger / Push-tube / Solid Auger
SAMPLING METHOD Hand Auger / Push-tube
SURFACE ELEVATION 3.120 m AHD

DATE 20 Aug 15

LOGGED BY L. Gibb
COMMENTS

NORTHING 6245465.678
EASTING 331605.73

PID (ppm)	RECOVERY	SAMPLE NUMBER	ANALYSED	DEPTH (m BGS)	GRAPHIC LOG	USCS CLASS	LITHOLOGIC DESCRIPTION	CONTACT DEPTH
						ASPHALT	Bitumen Hardstand	0.05
						CONCRETE		0.20
0.1		BH11_0.2-0.3	✳	0.2		FILL	Concrete Slab	
				0.4			Gravelly Sand FILL. Dark brown/black, coarse grained, dry. Contains ash.	
0.1		BH11_0.5-0.6		0.6			Contains pockets of black silt, ash and glass fragments from 0.6 m bgs	
				0.8			Contains large ceramic tile fragments from 0.6 m bgs	
						FILL	Sandy Clay FILL. White/red/brown mottled, stiff, high plasticity.	0.90
0.1		BH11_1.0-1.1		1.0				
				1.2				
				1.4				
				1.6				
				1.8				
				2.0				2.00
0.1		BH11_2.0-2.1				FILL	Sandy Silt FILL. Black. Contains ceramic and glass fragments.	2.10
				2.2		FILL		2.20
0.8		BH11_2.3-2.4	✳	2.4		FILL	Gravelly Sand FILL. Light yellow, dense. Contains sandstone and vesicular slag gravels.	
				2.6 ▽			Silty Gravel FILL. Black with orange mottling. Contains slag and ironstone gravels.	
				2.8			Becoming red/brown from 2.5 m bgs. Decreased slag gravel content.	
							Becoming saturated from 2.6 m bgs	
0.5		BH11_3.0-3.1		3.0			Becoming dark grey from 3.0 m bgs	
				3.2				3.30
0.5		BH11_3.3-3.4	✳	3.4		ML	Sandy SILT. Black, dense. Hydrogen sulphide and hydrocarbon odour noted.	
0.4		BH11_3.6-3.7		3.6				
				3.8				3.90

Borehole terminated at 3.9 m bgs; target depth reached
Total Depth: 3.90 m

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Sydney NSW 2000

BOREHOLE_ LOG BH12

PROJECT NUMBER	60438840	**DATE**	21 Aug 15
PROJECT NAME	Burrows Industrial Estate		
LOCATION	1-3 Burrows Road, Alexandria NSW		
DRILLING METHOD	Hand Auger / Push-tube / Solid Auger		
SAMPLING METHOD	Hand Auger / Push-tube		
SURFACE ELEVATION	3.620 m AHD		
LOGGED BY	L. Gibb	**NORTHING**	6245472.364
COMMENTS		**EASTING**	331645.559

PID (ppm)	RECOVERY	SAMPLE NUMBER	ANALYSED	DEPTH (m BGS)	GRAPHIC LOG	USCS CLASS	LITHOLOGIC DESCRIPTION	CONTACT DEPTH
						ASPHALT	Bitumen Hardstand	0.03
0.1		BH12_0.15-0.25	✳	0.2		CONCRETE	Concrete Slab	0.14
				0.4		FILL	Gravelly Sand FILL. Black and white, coarse grained. Contains ash, slag (<5 mm diameter) and well rounded sandstone gravels, glass fragments.	0.50
0.1		BH12_0.5-0.6		0.6		FILL	Silty Sand FILL. Black, slightly moist. Contains minor slag and ash gravels.	0.60
0.1		BH12_0.6-0.7		0.8		FILL	Sandy Clay FILL. Yellow with grey mottling, slightly moist, high plasticity. Contains ceramic and glass fragments.	1.00
0.1		BH12_1.0-1.1	✳	1.0		FILL	Silty Sand FILL. Black with red mottling and yellow pockets, coarse grained sand. Contains ironstone and slag gravels, rusted metal and glass fragments.	
				1.2				
				1.4				
0.1		BH12_1.5-1.6		1.6			Becoming grey and white from 1.5 m bgs. Contains ash and vesicular slag gravels.	1.80
0.4		BH12_1.8-1.9	✳	1.8		FILL	Gravelly Sand FILL. Brown, caorse grained. Contains slag gravels and organic fibres.	
				2.0			No recovery in push-tube from 2.0 to 2.8 m bgs	
				2.2				
				2.4				
				2.6				
				2.8		FILL	Silty Gravel FILL. Black. Contains coarse grained sand, concrete cobbles and sandstone gravels.	2.80
				3.0			Becoming red/brown and saturated from 3.0 m bgs. Contains ceramic fragments, weathered brick fragments and slag gravels.	
0.2		BH12_3.2-3.3		3.2				
				3.4				
3.5		BH12_3.6-3.7	✳	3.6			Black staining and slight odour noted from 3.6 m bgs.	3.70
0.3		BH12_3.7-3.8		3.8		SM	Silty SAND. Light grey and dark grey. Hydrogen sulphide odour noted.	4.00
				4.0			Borehole terminated at 4.0 m bgs; target depth reached Total Depth: 4.00 m	

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BOREHOLE_ LOG BH13

PROJECT NUMBER	60438840	**DATE**	20 Aug 15
PROJECT NAME	Burrows Industrial Estate		
LOCATION	1-3 Burrows Road, Alexandria NSW		
DRILLING METHOD	Hand Auger / Push-tube / Solid Auger		
SAMPLING METHOD	Hand Auger / Push-tube		
SURFACE ELEVATION	2.960 m AHD		
LOGGED BY	L. Gibb	**NORTHING**	6245442.06
COMMENTS		**EASTING**	331634.823

PID (ppm)	RECOVERY	SAMPLE NUMBER	ANALYSED	DEPTH (m BGS)	GRAPHIC LOG	USCS CLASS	LITHOLOGIC DESCRIPTION	CONTACT DEPTH
						CONCRETE	Concrete Slab	0.17
0.1		BH13_0.2-0.3		0.2		FILL	Gravelly Sand FILL. Dark brown/black, coarse grained. Contains sandstone and ironstone gravels and glass fragments.	
0.1		BH13_0.4-0.5	✳	0.4			Becoming orange and brown mottled from 0.4 m bgs. Increased in ironstone gravels. Contains slag gravels and minor ceramic fragments.	
0.1		BH13_0.6-0.7		0.6			Becoming light grey and white, coarse grained from 0.6 m bgs. Contains sandstone gravels and glass fragments.	
				0.8				
0.1		BH13_1.0-1.1		1.0			Increase in ironstone gravel content from 1.0 m bgs. Contains rusted metal fragments and numerous glass fragments.	
				1.2				
				1.4			Switch to push-tube at 1.2 m bgs	1.50
0.2		BH13_1.5-1.6		1.6		FILL	Sandy Gravel FILL. Moist. Contains slag, sandstone and ironstone gravels.	
				1.8 ▽			Becoming red/brown and saturated from 1.8 m bgs. Contains silt and fragments of crushed shells.	
				2.0				
				2.2				
				2.4				
				2.6				
0.2		BH13_2.7-2.8		2.8			Becoming black from 2.7 m bgs	2.80
						ML	Sandy SILT. Black, dense. Organic odour.	3.00
0.3		BH13_3.0-3.1		3.0		SM	Silty SAND. Black and grey, medium grained, dense. Hydrogen sulphide odour.	
				3.2				
				3.4				
6.6		BH13_3.6-3.7	✳	3.6			Increase in sand content noted from 3.6 m bgs	
				3.8				3.90
							Borehole terminated at 3.9 m bgs; target depth reached Total Depth: 3.90 m	

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BOREHOLE_ LOG BH14

PROJECT NUMBER	60438840	**DATE**	21 Aug 15
PROJECT NAME	Burrows Industrial Estate		
LOCATION	1-3 Burrows Road, Alexandria NSW		
DRILLING METHOD	Hand Auger / Push-tube / Solid Auger		
SAMPLING METHOD	Hand Auger / Push-tube		
SURFACE ELEVATION	2.930 m AHD		
LOGGED BY	K. Pigram	**NORTHING**	6245419.946
COMMENTS		**EASTING**	331653.883

PID (ppm)	RECOVERY	SAMPLE NUMBER	ANALYSED	DEPTH (m BGS)	GRAPHIC LOG	USCS CLASS	LITHOLOGIC DESCRIPTION	CONTACT DEPTH
						CONCRETE	Concrete Slab	0.19
				0.2		FILL	Gravel FILL. Roadbase, medium dense.	0.30
				0.4		CONCRETE	Concrete Slab	0.44
		BH14_0.45-0.55	✳			FILL	Gravelly Sand FILL. Dark brown, medium dense, dry to slightly moist. Roadbase gravels (30%), sand (60%) and minor silt (10%).	
				0.6				
				0.8			Hand auger refusal at 0.6 m bgs on sandstone gravel (possible boulder/floater); switch to solid augers.	
2.5		BH14_1.0-1.1		1.0			Contains ash, glass, slag (10%) gravels. Contains ironstone and sandstone gravels and minor roadbase gravels from 1.0 m bgs.	
				1.2				
				1.4				1.50
				1.6		FILL	Sandy Gravel FILL. Brown/orange/grey, medium dense, moist to saturated. Contains sand (15-20%), slag gravels (80%) and trace clay (<10%).	
0.6		BH14_1.8-1.9	✳	1.8				
				2.0 ▽			Water level measured within borehole with tape measure at 2.0 m bgs.	
				2.2				
				2.4				
				2.6				
				2.8			Sand increasing with depth from 2.7 m bgs	
0.2		BH14_3.0-3.1		3.0				
				3.2				
				3.4				
				3.6				
				3.8		CL	Sandy CLAY. Dark grey/brown, medium stiff, saturated, low to medium plasticity. Contains sand (30%) and clay (70%). Clay increasing with depth. Moderate hydrogen sulphide odour.	3.80
150.1		BH14_4.0-4.1	✳	4.0				
				4.2				
				4.4				
				4.6			Clay becoming medium stiff and medium to high plasticity from 4.5 m bgs.	
				4.8				
				5.0				5.10
							Borehole terminated at 5.1 m bgs; target depth reached Total Depth: 5.10 m	

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BOREHOLE_ LOG BH15

PROJECT NUMBER 60438840
PROJECT NAME Burrows Industrial Estate
LOCATION 1-3 Burrows Road, Alexandria NSW
DRILLING METHOD Hand Auger / Push-tube / Solid Auger
SAMPLING METHOD Hand Auger / Push-tube
SURFACE ELEVATION 2.700 m AHD

DATE 21 Aug 15

LOGGED BY K. Pigram
COMMENTS

NORTHING 6245398.482
EASTING 331674.617

PID (ppm)	RECOVERY	SAMPLE NUMBER	ANALYSED	DEPTH (m BGS)	GRAPHIC LOG	USCS CLASS	LITHOLOGIC DESCRIPTION	CONTACT DEPTH
						CONCRETE	Concrete Slab	0.22
				0.2		FILL	Gravel FILL. Roadbase, medium dense, dry. Contains minor sand and minor low plasticity clay.	0.50
0.1	☒	BH15_0.4-0.5	✳	0.4			Refusal at 0.5 m bgs with hand auger on concrete (possible second slab); switch to solid auger.	
							Refusal at 0.5 m bgs with solid auger; abandon borehole.	
							Total Depth: 0.50 m	

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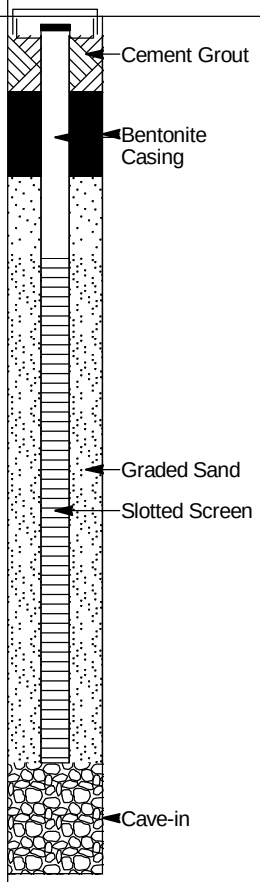
Level 21, 420 George Street
Sydney NSW 2000

MONITORING WELL LOG BH16 / MW16

PROJECT NUMBER	60438840	**DATE**	21 & 22 August 2015
PROJECT NAME	Burrows Industrial Estate	**BLANK**	0.0 to 1.441 m bgs
LOCATION	1-3 Burrows Road, Alexandria NSW	**SCREEN**	1.441 to 4.441 m bgs
DRILLING METHOD	Hand Auger / Push-tube / Solid Auger	**GRAVEL PACK**	0.95 to 4.441 m bgs
SAMPLING METHOD	Hand Auger / Push-tube	**SANITARY SEAL/BENTONITE**	0.45 to 0.95 m bgs
SURFACE ELEVATION	4.230 m AHD	**STABILISED WATER LEVEL**	3.171 m BTOC
WELL HEAD/TOC	4.15 m AHD	**GROUND WATER ELEVATION**	0.979 m AHD
LOGGED BY	L. Gibb & K. Pigram	**NORTHING**	6245470.9
COMMENTS		**EASTING**	331688.598

PID (ppm)	RECOVERY	SAMPLE NUMBER	ANALYSED	DEPTH (m BGS)	USCS CLASS	LITHOLOGIC DESCRIPTION	CONTACT DEPTH
					CONCRETE	Concrete Slab	0.17
				0.2, 0.4	FILL	Sandy Gravel FILL. Yellow and dark grey, coarse grained sand. Contains sandstone cobbles, brick fragments and ceramic tile fragments.	
0.0		BH16_0.5-0.6		0.6			
0.0		BH16_0.7-0.8	✳	0.8		Becoming black and orange from 0.7 m bgs. Contains slag gravels, ash, brick fragments, subrounded sandstone gravels and glass fragments.	
0.0		BH16_1.0-1.1		1.0			
				1.2	FILL	Dark brown with red iron staining from 1.0 m bgs. Contains slag and ironstone gravels.	1.20
				1.4, 1.6, 1.8		Switch to push-tube on Geoprobe from 1.2 m bgs. Completed 22 August 2015.	
0.9		BH16_2.0-2.1	✳	2.0, 2.2, 2.4, 2.6, 2.8		Gravelly Sand FILL. Dark brown, dense, slightly moist to moist. Contains minor medium stiff, low plasticity clay, ironstone, roadbase and slag gravels, glass and metal (nails, pins and sheet metal) fragments.	
4.3		BH16_3.0-3.1	✳	3.0, 3.2, 3.4, 3.6, 3.8		Becoming dark grey/brown and moist to saturated from 3.0 m bgs.	
2.1		BH16_4.0-4.1		4.0, 4.2, 4.4	FILL	Clayey Gravelly Sand FILL. Dark grey/brown to black. Contains medium stiff, low to medium plasticity (20%). Slight hydrogen sulphide odour and possible hydrocarbon odour.	4.00
				4.6, 4.8	SW	SAND. Grey/brown, medium dense, saturated, well sorted.	4.50
3.1		BH16_5.0-5.1		5.0			5.10
						Borehole terminated at 5.1 m bgs; target depth reached Total Depth: 5.10 m	



WELL DIAGRAM

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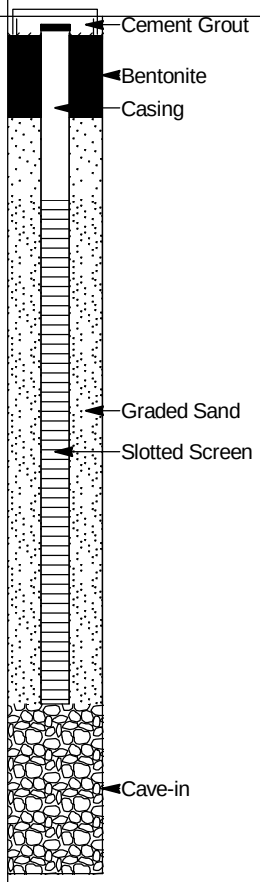
Level 21, 420 George Street
Sydney NSW 2000

MONITORING WELL LOG BH17 / MW17

PROJECT NUMBER	60438840	**DATE**	21 & 22 August 2015
PROJECT NAME	Burrows Industrial Estate	**BLANK**	0.0 to 1.091 m bgs
LOCATION	1-3 Burrows Road, Alexandria NSW	**SCREEN**	1.091 to 4.091 m bgs
DRILLING METHOD	Hand Auger / Push-tube / Solid Auger	**GRAVEL PACK**	0.6 to 4.091 m bgs
SAMPLING METHOD	Hand Auger / Push-tube	**SANITARY SEAL/BENTONITE**	0.1 to 0.6 m bgs
SURFACE ELEVATION	4.130 m AHD	**STABILISED WATER LEVEL**	3.061 m BTOC
WELL HEAD/TOC	4.04 m AHD	**GROUND WATER ELEVATION**	0.979 m AHD
LOGGED BY	L. Gibb & K. Pigram	**NORTHING**	6245465.954
COMMENTS		**EASTING**	331700.452

PID (ppm)	RECOVERY	SAMPLE NUMBER	ANALYSED	DEPTH (m BGS)	GRAPHIC LOG	USCS CLASS	LITHOLOGIC DESCRIPTION	CONTACT DEPTH
						CONCRETE	Concrete Slab	0.19
0.0		BH17_0.2-0.3		0.2		FILL	Silty Sand FILL. Light yellow with black mottling. Contains sandstone and slag gravels, minor ash gravel content.	0.40
				0.4		FILL		
				0.6			Gravelly Sand FILL. Yellow/orange, medium to coarse grained. Contains subangular sandstone gravels (5 mm).	
0.2		BH17_0.7-0.8		0.8				
0.1		BH17_1.0-1.1	✳	1.0				
				1.2		FILL	Becoming red/brown with black mottling from 0.7 m bgs. Contains sandstone gravels, minor slag gravels and rusted metal fragments.	1.10 1.20
				1.4		FILL		
				1.6			Becoming red and grey mottled and coarse grained from 1.0 m bgs. Increase in grey slag and ash gravel content. Contains weathered brick fragments	
				1.8				
15.2		BH17_2.0-2.1	✳	2.0			Silty Sand FILL. Brown mottled with black staining, dense.	
				2.2				
				2.4			Switch to push-tube on Geoprobe from 1.2 m bgs. Completed 22 August 2015.	
				2.6				2.70
				2.8			Sandy Gravel FILL. Dark grey/brown, medium dense to dense, slightly moist to moist. Contains slag, sandstone, ironstone and concrete gravels, minor silt and metal fragments. Slight hydrocarbon odour.	
				3.0				
				3.2				
				3.4				
				3.6			No push-tube recovery from 2.7 to 5.1 m bgs, possible voids or obstructions to push-tube.	
				3.8				
				4.0			Monitoring well installed according to rationale at BH16 / MW16.	
				4.2				
				4.4			Water level measured in borehole with tape measure; encountered at 3.2 m bgs	
				4.6				
				4.8				
				5.0				5.10
							Borehole terminated at 5.1 m bgs. Total Depth: 5.10 m	

WELL DIAGRAM



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Sydney NSW 2000

BOREHOLE_ LOG BH18

PROJECT NUMBER 60438840
PROJECT NAME Burrows Industrial Estate
LOCATION 1-3 Burrows Road, Alexandria NSW
DRILLING METHOD Hand Auger / Push-tube / Solid Auger
SAMPLING METHOD Hand Auger / Push-tube
SURFACE ELEVATION 3.420 m AHD

DATE 29 Aug 15

LOGGED BY K. Pigram
COMMENTS

NORTHING 6245485.266
EASTING 331741.891

PID (ppm)	RECOVERY	SAMPLE NUMBER	ANALYSED	DEPTH (m BGS)	GRAPHIC LOG	USCS CLASS	LITHOLOGIC DESCRIPTION	CONTACT DEPTH
						CONCRETE	Concrete Slab	0.21
0.0		BH18_0.25-0.35		0.2, 0.4, 0.6		FILL	Gravelly Silty Sand FILL. Dark brown, loose to medium dense, dry to slightly moist. Contains silt (40%), sand (50%) and concrete and ironstone gravels (20%, <10 mm diameter).	
0.0		BH18_0.7-0.8	✳	0.8			Contains brick/concrete fragments (approx 10 cm diameter) and half bricks, pieces of sheet metal from 0.5 m bgs	0.90
0.1		BH18_1.0-1.1		1.0		FILL	Becoming red/brown from 0.7 m bgs.	
				1.2			Silty Sand FILL. Dark brown/black, loose, dry to slightly moist. Contains minor brick fragments and gravels.	1.40
				1.4		FILL	Switch to push-tube at 1.2 m bgs	
				1.6, 1.8			Sandy Gravel FILL. Red/brown, yellow, black, medium dense, slightly moist. Contains ironstone and sandstone gravels (60%).	
0.2		BH18_2.0-2.1	✳	2.0, 2.2, 2.4, 2.6, 2.8				
		BH18_3.0-3.1		3.0			Becoming dark grey/brown and saturated from 3.0 m bgs.	3.20
				3.2, 3.4, 3.6		SW	SAND. Grey/brown, fine to medium grained, medium dense, saturated.	
		BH18_3.8-3.9		3.8				3.90

Borehole terminated at 3.9 m bgs; target depth reached
Total Depth: 3.90 m

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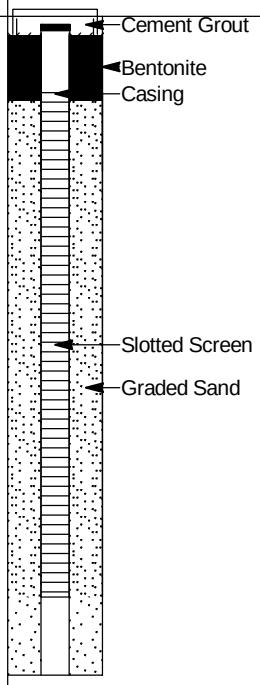
MONITORING WELL LOG BH19 / MW19

PROJECT NUMBER	60438840	**DATE**	21 & 22 August 2015
PROJECT NAME	Burrows Industrial Estate	**BLANK**	0.0 to 0.92 m bgs
LOCATION	1-3 Burrows Road, Alexandria NSW	**SCREEN**	0.92 to 3.92 m bgs
DRILLING METHOD	Hand Auger / Push-tube / Solid Auger	**GRAVEL PACK**	0.5 to 3.92 m bgs
SAMPLING METHOD	Hand Auger / Push-tube	**SANITARY SEAL/BENTONITE**	0.1 to 0.5 m bgs
SURFACE ELEVATION	3.510 m AHD	**STABILISED WATER LEVEL**	2.464 m BTOC
WELL HEAD/TOC	3.44 m AHD	**GROUND WATER ELEVATION**	0.976 m AHD
LOGGED BY	L. Gibb & K. Pigram	**NORTHING**	6245525.412
COMMENTS		**EASTING**	331743.935

PID (ppm)	RECOVERY	SAMPLE NUMBER	ANALYSED	DEPTH (m BGS)	USCS CLASS	LITHOLOGIC DESCRIPTION	CONTACT DEPTH
0.2		BH19_0.11-0.15			ASPHALT	Bitumen Hardstand	0.11
0.4		BH19_0.25-0.30		0.2, 0.4	FILL	Silty Gravel FILL. Light grey, moist. Contains roadbase (blue metal) gravels.	0.30
0.1		BH19_0.6-0.7		0.6, 0.8	FILL	Becoming black from 0.25 m bgs. Contains brick and glass fragments and slag gravels.	0.60
1.2		BH19_1.0-1.1		1.0, 1.2	FILL	Hand Auger refusal at 0.3 m bgs, switch to Solid Auger on Geoprobe. Completed on 22 August 2015	1.00
0.6		BH19_1.4-1.5		1.4, 1.6	FILL	Gravel FILL. Roadbase gravels with metal fragments.	1.50
1.9		BH19_2.0-2.2	✳	1.8, 2.0, 2.2, 2.4, 2.6, 2.8		Gravelly Sand FILL. Dark brown, fine to medium grained, loose, dry. Contains minor silt, brick and roadbase gravels (20%) and sand (70%). Becoming light grey/brown from 0.7 m bgs. Hand auger refusal at 0.85 m bgs, possible concrete floater, switch to solid auger.	
0.5		BH19_3.0-3.1		3.0	FILL	Sandy Clay FILL. Brown, loose, dry. Contains concrete and sandstone gravels (10%) and minor orange ironstone gravels. Switch to push-tube from 1.1 m bgs.	2.90
1.2		BH19_3.8-3.9		3.2, 3.4, 3.6, 3.8	SW	Gravelly Sand FILL. Orange/brown, medium to coarse grained, loose to medium dense, slightly moist to moist. Contains ironstone and slag gravels (50%) and sand (50%). Water level measured in borehole with tape measure - encountered at 2.5 m bgs	3.20, 3.90
						Sand FILL. Possible reworked natural. Dark grey brown/black, saturated. Slight hydrogen sulphide odour.	
						SAND. Light grey/brown, medium dense, saturated. Contains organic matter.	
						Borehole terminated at 3.9 m bgs; target depth reached. Total Depth: 3.90 m	

WELL DIAGRAM



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BOREHOLE_ LOG BH20

PROJECT NUMBER	60438840	**DATE**	29 Aug 15
PROJECT NAME	Burrows Industrial Estate		
LOCATION	1-3 Burrows Road, Alexandria NSW		
DRILLING METHOD	Hand Auger / Push-tube / Solid Auger		
SAMPLING METHOD	Hand Auger / Push-tube		
SURFACE ELEVATION	3.240 m AHD		
LOGGED BY	K. Pigram	**NORTHING**	6245507.731
COMMENTS		**EASTING**	331767.618

PID (ppm)	RECOVERY	SAMPLE NUMBER	ANALYSED	DEPTH (m BGS)	GRAPHIC LOG	USCS CLASS	LITHOLOGIC DESCRIPTION	CONTACT DEPTH
						CONCRETE	Concrete Slab	0.20
				0.2		FILL	Gravel FILL. Roasbase, dark grey/brown, dense, dry to slightly moist. Contains minor medium stiff, low plasticity clay.	0.40
				0.4		FILL		
0.2		BH20_0.5-0.6	✳	0.6			Gravelly Sand FILL. Brown, loose, slightly moist. Contains medium grained sand and subangular roadbase gravels (20%, <10 mm diameter).	
				0.8			Becoming dark grey/brown and slightly moist from 0.8 m bgs. Contains concrete and terracotta gravels (<1 mm diameter).	
0.4		BH20_1.0-1.1	✳	1.0		FILL	Gravels - sandstone and slag (<10 mm diameter), content increasing to 30% from 0.9 m bgs.	1.00
				1.2			Hand auger refusal at 0.95 m bgs; switch to push-tube.	
				1.4				
				1.6			Sandy Gravel FILL. Red/brown, black, brown, dense, slightly moist. Contains slag and sandstone gravels.	
				1.8				
0.4		BH20_2.0-2.1	✳	2.0 ▽			Becoming dark grey/brown and saturated from 2.0 m bgs. Contains slag gravels (80%)	
				2.2				
				2.4				
				2.6				
				2.8				
				3.0				
				3.2				
				3.4		SW	SAND. Grey/brown, loose to medium dense, saturated. Contains organic matter and trace medium stiff low plasticity clay.	3.40
0.3		BH20_3.5-3.6		3.6				
				3.8				3.90
							Borehole terminated at 3.9 m bgs; target depth reached Total Depth: 3.90 m	

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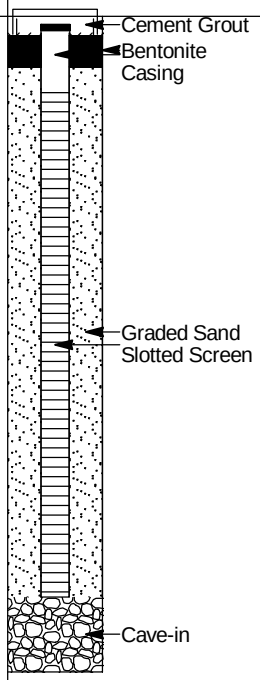
MONITORING WELL LOG BH21 / MW21

PROJECT NUMBER	60438840	**DATE**	21 & 22 August 2015
PROJECT NAME	Burrows Industrial Estate	**BLANK**	0.0 to 0.895 m bgs
LOCATION	1-3 Burrows Road, Alexandria NSW	**SCREEN**	0.895 to 3.895 m bgs
DRILLING METHOD	Hand Auger / Push-tube / Solid Auger	**GRAVEL PACK**	0.5 to 3.895 m bgs
SAMPLING METHOD	Hand Auger / Push-tube	**SANITARY SEAL/BENTONITE**	0.1 to 0.5 m bgs
SURFACE ELEVATION	3.120 m AHD	**STABILISED WATER LEVEL**	2.024 m BTOC
WELL HEAD/TOC	3.04 m AHD	**GROUND WATER ELEVATION**	1.016 m AHD
LOGGED BY	L. Gibb & K. Pigram	**NORTHING**	6245494.973
COMMENTS		**EASTING**	331791.781

PID (ppm)	RECOVERY	SAMPLE NUMBER	ANALYSED	DEPTH (m BGS)	GRAPHIC LOG	USCS CLASS	LITHOLOGIC DESCRIPTION	CONTACT DEPTH
						CONCRETE	Concrete Slab	0.18
0.2		BH21_0.20-0.25		0.2		FILL	Silty Gravel FILL. Moist. Contains roadbase and blue metal gravels.	
0.1		BH21_0.25-0.35		0.4				
				0.6			Becoming yellow from 0.25 m bgs. Contains coarse grained sand and small blue metal gravels (<2 mm).	
0.1		BH21_0.7-0.8	✳	0.8		FILL		0.80
				1.0			Becoming light brown from 0.5 m bgs.	
0.3		BH21_1.0-1.1		1.2		FILL	Black staining and strong chemical odour noted from 0.7 m bgs. Contains sandstone gravels, glass fragments and potential bonded ACM fragment.	1.20
				1.4				
				1.6			Sandy Gravel FILL. Yellow with black mottling. Contains sandstone, concrete and brick gravels.	
				1.8				
				2.0			Black staining and chemical odour noted from 1.0 m bgs.	
				2.2			Switch to push-tube on Geoprobe for continuation at 1.2 m bgs - completed on 22 August 2015.	
				2.4				
				2.6				2.70
0.2	■	BH21_2.7-2.8	✳	2.8		FILL	No recovery in push-tube from 1.2 to 2.7 m bgs; metal fragment in base of push-tube blocking recovery, assumed FILL.	3.00
2.1	■	BH21_3.0-3.1	✳	3.0		SW	Sandy Gravel FILL. Brown, loose to medium dense, saturated. Contains minor soft, low plasticity clay (10%), metal fragments and slag gravels (50%), medium grained sand (40%).	
				3.2				
				3.4				
				3.6				
1.3		BH21_3.8-3.9		3.8			SAND. Grey/brown, loose to medium dense, saturated. Minor soft, low plasticity clay (10%). Clay content increasing with depth.	3.90
							Borehole terminated at 3.9 m bgs; target depth reached Total Depth: 3.90 m	

WELL DIAGRAM



60438840_BORELOGS_20150826.GPJ 28/9/15

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BOREHOLE_ LOG BH22

PROJECT NUMBER 60438840
PROJECT NAME Burrows Industrial Estate
LOCATION 1-3 Burrows Road, Alexandria NSW
DRILLING METHOD Hand Auger / Push-tube / Solid Auger
SAMPLING METHOD Hand Auger / Push-tube
SURFACE ELEVATION 3.370 m AHD

DATE 21 Aug 15

LOGGED BY K. Pigram
COMMENTS

NORTHING 6245435.465
EASTING 331672.77

PID (ppm)	RECOVERY	SAMPLE NUMBER	ANALYSED	DEPTH (m BGS)	GRAPHIC LOG	USCS CLASS	LITHOLOGIC DESCRIPTION	CONTACT DEPTH
				0.2		CONCRETE	Concrete Slab	0.26
0.1		BH22_0.3-0.4 BH22_0.45	✳ ✳	0.4		FILL	Gravelly Sand FILL. Red/brown and grey/brown, loose to medium dense, dry. Contains ironstone and roadbase gravels.	
				0.6		FILL	Possible ACM fragment collected as bag sample	0.60
0.1		BH22_0.8-0.9	✳	0.8		FILL	Hand auger refusal at 0.6 m bgs; switch to solid auger.	0.80
				1.0 1.2			Gravelly Sand FILL. Red/brown and dark grey/brown medium dense, dry. Contains ironstone and roadbase gravels.	1.30
0.1		BH22_1.3-1.4		1.4		FILL	Clayey Sand FILL. Dark brown, medium dense, dry to slightly moist. Contains organic matter (possible peat) and slag (<10 mm) pieces.	
0.1		BH22_1.7-1.8		1.6 1.8		FILL	Band of ironstone gravel from 1.1 to 1.3 m bgs	1.70
				2.0			Clay FILL. Light grey, medium plasticity, slightly moist.	
0.1		BH22_2.2-2.3	✳	2.2		FILL	Gravelly Sand FILL. Dark brown. Contains sandstone gravels. Pocket of low to medium plasticity, saturated clay encountered at 2.1 m bgs.	2.20
				2.4 ▽			Gravel FILL. Slag with minor sand. Grey/brown, saturated. Water level measured within borehole with tape measure at 2.4 m bgs. Sandstone boulder, dark brown, dense, slight to moderately weathered, saturated encountered at 2.7 m bgs, minimal push-tube recovery.	
0.1		BH22_3.9-4.0		4.0		FILL	Gravel FILL. Slag with minor sand. Dark grey/brown, saturated.	3.90
26.7		BH22_4.5-4.7	✳	4.6		CL	Sandy CLAY. Light grey with dark grey/brown mottling, saturated, low to medium plasticity. Contains sand (30-40%) and clay (60-70%). Moderate hydrogen sulphide odour noted.	4.50
				5.0			Borehole terminated at 5.1 m bgs; target depth reached Total Depth: 5.10 m	5.10

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SOIL BOREHOLE

BH100

Client:	Goodman	**Project No:**	60623599	**Start Date:**	03/02/2020
Project:	Burrows Industrial Estate (IE)	**Logged by:**	Rebekah Panozzo	**End Date:**	03/02/2020
Location:	1-3 Burrows Road, Alexandria NSW	**Checked by:**	Alex Latham	**Location Meth.:**	dGPS0.001
Driller:	EPOCA	**Easting:**	331555.408 m	**Ground El.:**	2.035 mRL
Drill Type:	diatube, hand auger, solid stem auger	**Northing:**	6245391.019 m	**Ver. Datum:**	AHD
Drill Model:	Geoprobe 7822DT	**Total Depth:**	3.5 m	**Hor. Proj/Dat:**	MGA94/GDA94-55H
		Bore Dia.:	165 mm		

Drill Method	Casing	Groundwater Data and Comments	Depth (m)	Graphic Log	Classification	LITHOLOGICAL DESCRIPTION	Moisture	Consistency/ Relative Density	Sample Interval	PID (ppm)	Sample ID
DT	None		0			PAVEMENT: BITUMINOUS SEAL bitumen road base	D				
HA						FILL: SAND brown, fine to medium grain			○	0.6	BH100_0.15-0.25
						FILL: sandy GRAVEL black/grey road base gravels (20-40 mm), sub rounded to sub angular. Sands; brown. Ceramic inclusions (50 mm). Minor clay component.					
		Water inflow/seepage at 0.70 m 03/02/2020				FILL: sandy GRAVEL Ironstone gravels. Sands; brown/grey. Minor clay component, shells (50 mm), fragments of glass and ceramics.	W		○	0.0	BH100_0.7-0.8
						FILL: FILL brown/orange fragments (<10 mm), brittle. Grey sandy sponge like material throughout. at 1.00 m: inclusions of brick, tiles and metal wire.			○	0.6	BH100_0.8-0.9
SSA			1								
					CL	CLAY grey/black, medium plasticity.Rootlets					
			2								
			3						○	0.2	BH100_3.4-3.5
						BH100 terminated at 3.50 m. Target depth					
			4								

Remarks: 0.15-3.50 m: No odour/staining observed

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SOIL BOREHOLE

BH101

Client:	Goodman	**Project No:**	60623599	**Start Date:**	31/01/2020
Project:	Burrows Industrial Estate (IE)	**Logged by:**	Rebekah Panozzo	**End Date:**	31/01/2020
Location:	Unit 2	**Checked by:**	Alex Latham	**Location Meth.:**	dGPS0.001
Driller:	EPOCA	**Easting:**	331574.416 m	**Ground El.:**	2.422 mRL
Drill Type:	diatube, hand auger, solid stem auger, hand auger, solid stem auger, hand auger, solid stem auger	**Northing:**	6245336.499 m	**Ver. Datum:**	AHD
Drill Model:	Geoprobe 7822DT	**Total Depth:**	4 m	**Hor. Proj/Dat:**	MGA94/GDA94-55H
		Bore Dia.:	165 mm		

Drill Method	Casing	Groundwater Data and Comments	Depth (m)	Graphic Log	Classification	LITHOLOGICAL DESCRIPTION	Moisture	Consistency/ Relative Density	Sample Interval	PID (ppm)	Sample ID
DT	None		0			PAVEMENT: CONCRETE slab	D				
HA, SSA						FILL: gravelly SAND pale brown, medium to coarse grain. Gravels; sandstone, white/yellow (20 - 40 mm). Minor slag and ironstone gravel (10 mm) inclusions. at 0.27 m: sandstone cobble					BH101_0.16-0.26
HA, SSA						FILL: SAND pale brown/white, fine to medium grain. Sandstone gravels (<10%) at 0.35 m: increase in sandstone gravel content (10-15%)				0.0	BH101_0.3-0.4
HA						FILL: sandy GRAVEL black, road base gravels (<5 mm). Sands; black, medium to coarse grain. Inclusions of ironstone gravels (10-20 mm), glass (30 mm), brick fragments.					BH101_0.7-0.8
SSA			1			FILL: gravelly SAND dark brown/black, fine to medium grain. Gravels; road base (<10 mm). Minor clay content, low plasticity. Inclusions of ceramics, metal, glass and cotton buds. at 1.00 m: increase in clay and ironstone gravels (10 %). Increase size of road base gravels (10-15 mm)	M			0.6	BH101_1.5-1.6

Remarks: 0.16-4.00 m: No odour/staining observed
0.80 m: handauger refusal; switch to SSA

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SOIL BOREHOLE

BH101

Client:	Goodman	**Project No:**	60623599	**Start Date:**	31/01/2020
Project:	Burrows Industrial Estate (IE)	**Logged by:**	Rebekah Panozzo	**End Date:**	31/01/2020
Location:	Unit 2	**Checked by:**	Alex Latham	**Location Meth.:**	dGPS0.001
Driller:	EPOCA	**Easting:**	331574.416 m	**Ground El.:**	2.422 mRL
Drill Type:	diatube, hand auger, solid stem auger, hand auger, solid stem auger, hand auger, solid stem auger	**Northing:**	6245336.499 m	**Ver. Datum:**	AHD
Drill Model:	Geoprobe 7822DT	**Total Depth:**	4 m	**Hor. Proj/Dat:**	MGA94/GDA94-55H
		Bore Dia.:	165 mm		

Drill Method	Casing	Groundwater Data and Comments	Depth (m)	Graphic Log	Classification	LITHOLOGICAL DESCRIPTION	Moisture	Consistency/ Relative Density	Sample Interval	PID (ppm)	Sample ID
SSA			2			FILL: gravelly SAND dark brown/black, fine to medium grain. Gravels; road base (<10 mm). Minor clay content, low plasticity. Inclusions of ceramics, metal, glass and cotton buds.	M				
		▼ Standing water level at 2.20 m 31/01/2020				FILL: gravelly SAND black, medium to coarse grain. Road base gravels (10 mm). Inclusions of brick (40 mm), metals, metal wire (1 m), ceramics, glass.	W		○	0.0	BH101_2.2-2.3
			3			at 2.80 m: minor clay content					
					CH	CLAY black/dark grey, medium to high plasticity			○	0.0	BH101_3.8-3.9

BH101 terminated at 4.00 m.
Target depth

Final

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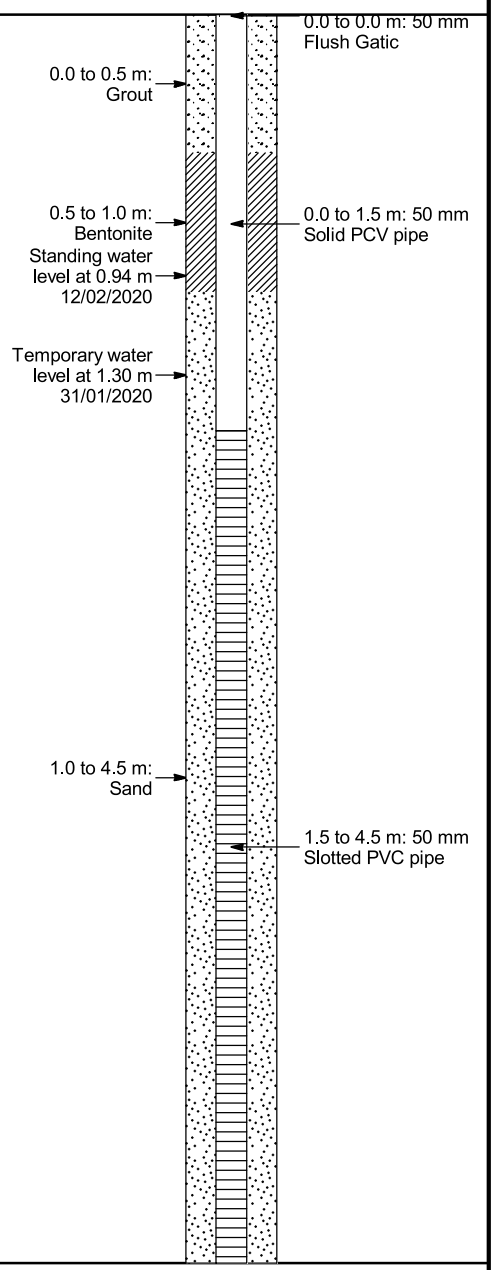
MONITORING WELL MW102

Client:	Goodman	**Project No:**	60623599	**Start Date:**	31/01/2020
Project:	Burrows Industrial Estate (IE)	**Logged by:**	Rebekah Panozzo	**End Date:**	31/01/2020
Location:	Unit 2	**Checked by:**	Alex Latham	**Location Meth.:**	dGPS0.001
Driller:	EPOCA	**Easting:**	331627.004 m	**Top of Casing:**	2.300 mRL
Drill Type:	diatube, hand auger, solid stem auger	**Northing:**	6245313.221 m	**Ver. Datum:**	AHD
Drill Model:	Geoprobe 7822DT	**Total Depth:**	4.5 m	**Hor. Proj/Dat:**	MGA94/GDA94-55H
		Bore Dia.:	165 mm	**Pipe Dia.:**	50 mm

Drill Method	Sample Interval PID (ppm)	Sample ID	Graphic Log	Classification	LITHOLOGICAL DESCRIPTION	Moisture	Depth (m)
DT					PAVEMENT: CONCRETE slab	D	0
HA	0.0	BH102_0.135-0.2			FILL: sandy GRAVEL grey road base gravels (10-30 mm). Sands; black/orange coarse grain. Rootlets		
	0.3	BH102_0.3-0.4			FILL: gravelly SAND orange/brown, medium to coarse grain. Gravels; white sandstone, sub angular to sub rounded. Minor ironstone gravels (10%), (20 mm) and glass. at 0.35 m: increase in gravels		
	0.0	BH102_0.5-0.6			FILL: gravelly SAND brown, fine to medium grain. Gravel; sandstone and ironstone (20 %) (50 mm). Inclusions of slag (10 -20 mm)		
	0.0	BH102_0.9-1.0			Minor clay inclusions; orange/black, low plasticity at 0.62 m: inclusions of brick, glass, ceramics and rubber	M	1
SSA	0.1	BH102_1.3-1.4			at 0.70 m: increase in slag (10-20 mm) and brick (40 mm) content (20-30 %)	W	
					FILL: gravelly SAND black, fine to medium grain, minor ironstone and white sandstone gravels. Minor clay content (5%).		
					FILL: sandy GRAVEL black, road base gravels (5-10 mm). Sands; black, coarse grain. Tile fragment (30 mm)		2
					at 2.30 m: minor clay inclusions (<5 %). brick (50 mm) and ceramics (30 mm)		3
				CH	CLAY brown/dark grey to black, medium to high plasticity: medium to high plasticity		
	0.0	BH102_3.4-3.5					4
	0.0	BH102_4.4-4.5					
					MW102 terminated at 4.50 m. Target depth. Groundwater monitoring well installed		

WELL CONSTRUCTION DETAILS



Remarks: 0.14-3.50 m: No odour/staining observed

Final

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Final

SOIL BOREHOLE

BH103

Client:	Goodman	**Project No:**	60623599	**Start Date:**	03/02/2020
Project:	Burrows Industrial Estate (IE)	**Logged by:**	Rebekah Panozzo	**End Date:**	03/02/2020
Location:	Unit 3	**Checked by:**	Alex Latham	**Location Meth.:**	dGPS0.001
Driller:	EPOCA	**Easting:**	331649.295 m	**Ground El.:**	2.786 mRL
Drill Type:	diatube, hand auger, solid stem auger, hand auger, solid stem auger	**Northing:**	6245352.702 m	**Ver. Datum:**	AHD
Drill Model:	Geoprobe 7822DT	**Total Depth:**	4.5 m	**Hor. Proj/Dat:**	MGA94/GDA94-55H
		Bore Dia.:	165 mm		

Drill Method	Casing	Groundwater Data and Comments	Depth (m)	Graphic Log	Classification	LITHOLOGICAL DESCRIPTION	Moisture	Consistency/ Relative Density	Sample Interval	PID (ppm)	Sample ID
DT	None		0			PAVEMENT: CONCRETE slab	D				
HA						FILL: gravelly SAND orange, fine to medium grain. Gravels; sandstone cobbles (60-100 mm) orange/brown at 0.30 m: sandstone cobble			○	0.1	BH103_0.15-0.25
SSA											
HA						FILL: as above with increase of sandstone gravels (30-40mm)					
SSA			1			FILL: SAND brown, fine to medium grain. Minor ironstone gravels (15 mm) from 0.90 m, becoming black with minor ceramics			○	0.1	BH103_0.85-0.95
						FILL: gravelly SAND light brown, fine to medium grain. Gravels; sandstone, grey (30 mm) from 1.40 m, becoming brown. No gravels.			○	0.1	BH103_1.3-1.4
		▼ Standing water level at 2.00 m 03/02/2020	2			FILL: gravelly SAND dark brown/black, fine to coarse grain. Gravels; black road base gravels (10 mm), sub rounded to sub angular. Inclusions of brick, ceramics. Minor clay component.	W		○	0.0	BH103_2.0-2.1
			3								
			4		CH	CLAY dark grey/black, high plasticity.			○	0.0	BH103_4.4-4.5
						BH103 terminated at 4.50 m. *Target depth*					

Remarks: 0.15-3.80 m: No odour/staining observed
3.80-4.50 m: Stong hydrogen sulfide odour

Final

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Final

SOIL BOREHOLE

BH104

Sheet: 1 of 1

Client:	Goodman	**Project No:**	60623599	**Start Date:**	31/01/2020
Project:	Burrows Industrial Estate (IE)	**Logged by:**	Rebekah Panozzo	**End Date:**	03/02/2020
Location:	Unit 3	**Checked by:**	Alex Latham	**Location Meth.:**	dGPS0.001
Driller:	EPOCA	**Easting:**	331621.782 m	**Ground El.:**	2.852 mRL
Drill Type:	diatube, hand auger, solid stem auger	**Northing:**	6245384.239 m	**Ver. Datum:**	AHD
Drill Model:	Geoprobe 7822DT	**Total Depth:**	4.5 m	**Hor. Proj/Dat:**	MGA94/GDA94-55H
		Bore Dia.:	165 mm		

Drill Method	Casing	Groundwater Data and Comments	Depth (m)	Graphic Log	Classification	LITHOLOGICAL DESCRIPTION	Moisture	Consistency/ Relative Density	Sample Interval	PID (ppm)	Sample ID
DT	None		0			PAVEMENT: CONCRETE slab	D				
HA						FILL: gravelly SAND orange/brown sandstone sands, fine to medium grain. Gravels; sandstone (20-30 mm), white, sub rounded. becoming orange brown			○	0.1	BH104_0.15-0.25
						at 0.60 m: sandstone cobble					
SSA						FILL: SAND black, fine to medium grain. Minor clay component			○	0.1	BH104_0.8-0.9
			1			at 0.90 m: tile fragment (10-20 mm), road base gravels (10-40 mm) sub rounded to sub angular					
						at 1.40 m: ash band			○	0.1	BH104_1.4-1.5
						FILL: SAND black, fine to medium grain. Minor road base gravels (10 mm), tile fragments (50 mm), brick fragments, metal wire.			○	0.2	BH104_1.6-1.7
						at 1.80 m: inclusion of red brick (20 - 30 mm), ceramics	M				
		▼ Standing water level at 2.00 m 03/02/2020	2			FILL: sandy GRAVEL black, road base gravels (10 mm), sub rounded to sub angular. Sands; black, coarse grain.	W		○	0.1	BH104_2.0-2.1
						at 2.60 m: minor clay component. Inclusions of terracotta tiles (40 mm), metal wire, brick (40 mm) and ceramic (40 mm) fragments.					
			3				M				
						SAND grey/black, fine to medium grain. With metal wire, brick fragments (30 - 40 mm) and ceramics.			○	2.4	BH104_3.3-3.4
			4		CL	CLAY dark grey/black, medium plasticity.					
						BH104 terminated at 4.50 m. Target depth					

Remarks: 0.15-4.50 m: No odour/staining observed

Final

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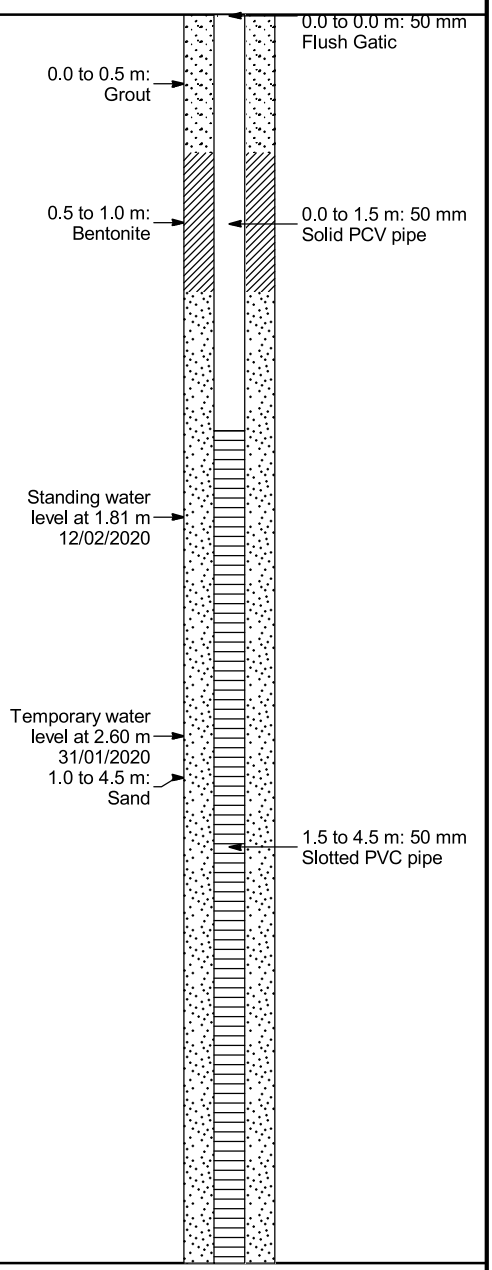
MONITORING WELL MW105

Client:	Goodman	**Project No:**	60623599	**Start Date:**	31/01/2020
Project:	Burrows Industrial Estate (IE)	**Logged by:**	Rebekah Panozzo	**End Date:**	31/01/2020
Location:	1-3 Burrows Road, Alexandria NSW	**Checked by:**	Alex Latham	**Location Meth.:**	dGPS0.001
Driller:	EPOCA	**Easting:**	331627.489 m	**Top of Casing:**	3.202 mRL
Drill Type:	diatube, hand auger, push tube	**Northing:**	6245463.586 m	**Ver. Datum:**	AHD
Drill Model:	Geoprobe 7822DT	**Total Depth:**	4.5 m	**Hor. Proj/Dat:**	MGA94/GDA94-55H
		Bore Dia.:	165 mm	**Pipe Dia.:**	50 mm

Drill Method	Sample Interval	PID (ppm)	Sample ID	Graphic Log	Classification	LITHOLOGICAL DESCRIPTION	Moisture	Depth (m)
DT						PAVEMENT: BITUMINOUS SEAL bitumen road base	D	0
HA		0.1	BH105_0.15-0.2			FILL: sandy GRAVEL black/dark grey road base gravels (10 mm), sub angular to angular with inclusions of ironstone gravels (20-30 mm). Sands; black, medium to coarse grain. Minor ceramic inclusions.		
HA		0.1	BH105_0.4-0.5			FILL: sandy GRAVEL black/dark grey road base gravels (10 mm), sub angular to angular. Slag inclusions (10 -40 mm) with ash. Sands; black medium to coarse grain at 0.50 m: inclusions of ironstone gravels (30 mm). Minor inclusions of glass, brick and ceramics (20 - 50 mm). Minor clay content		
HA		0.1	BH105_0.65-0.75					
HA		0.1	BH105_0.85-0.95					1
PT						FILL: sandy CLAY orange/brown, medium plasticity. Sands; brown medium grain. Minor black road base gravels (5 mm)		
PT						FILL: gravelly SAND orange/brown, medium to coarse grain with ironstone gravels (20-30 mm), minor inclusions of glass and ceramics at 0.90 m: ash and charcoal. Becoming grey/brown	M	
PT		0.1	BH105_1.7-1.8			FILL: sandy GRAVEL black, sub angular to angular. Sands; orange, coarse grain at 1.80 m: inclusions of ironstone gravels (20 mm)		2
PT						at 2.40 m: black clay band		
PT						at 2.50 m: shell band <5mm, white	W	
PT						at 2.90 m: minor glass fragments		3
PT		0.1	BH105_3.5-3.6			FILL: gravelly SAND orange brown, medium to coarse grain. Gravels black (10 mm) sub angular to sub rounded at 3.70 m: minor clays		
					CH	CLAY black, medium to high plasticity. Rootlets		4
		0.2	BH105_4.4-4.5					
						MW105 terminated at 4.50 m. Target depth. Groundwater monitoring well installed		

WELL CONSTRUCTION DETAILS



Remarks: 0.15-4.50 m: No odour/staining observed
1.50-3.50 m: Minimal push tube recovery

Final

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SOIL BOREHOLE

BH106

Client:	Goodman	**Project No:**	60623599	**Start Date:**	28/01/2020
Project:	Burrows Industrial Estate (IE)	**Logged by:**	Kurtis Wathen	**End Date:**	28/01/2020
Location:	Unit 4	**Checked by:**	Alex Latham	**Location Meth.:**	dGPS0.001
Driller:	EPOCA	**Easting:**	331684.030 m	**Ground El.:**	3.467 mRL
Drill Type:	solid stem auger, hand auger, push tube	**Northing:**	6245461.203 m	**Ver. Datum:**	AHD
Drill Model:	Geoprobe 7822DT	**Total Depth:**	6.3 m	**Hor. Proj/Dat:**	MGA94/GDA94-55H
		Bore Dia.:	165 mm		

Drill Method	Casing	Groundwater Data and Comments	Depth (m)	Graphic Log	Classification	LITHOLOGICAL DESCRIPTION	Moisture	Consistency/ Relative Density	Sample Interval	PID (ppm)	Sample ID
SSA	None		0			PAVEMENT: CONCRETE slab	D				
HA						FILL: SAND pale to dark brown, fine to coarse grain with ironstone gravels (<10 mm) and trace slag (<50 mm) and trace silts. at 0.30 m: becoming dark brown with sandstone gravels (20 mm), subangular to sub rounded. Trace sandstone cobbles subangular to sub rounded. Metal inclusions	M			1.7	BH106_0.2-0.3
										0.6	BH106_0.4-0.5
			1			FILL: clayey SAND dark brown, medium to coarse grain with ironstone gravels (< 10 mm) subangular to sub rounded. Trace slag (10 mm), ceramic tile, metal and vegetation.				0.1	BH106_0.8-0.9
PT		Standing water level at 1.70 m 28/01/2020				FILL: clayey SAND dark brown, medium to coarse grain. Clay; light brown. Brick inclusion (20-40 mm)	D				
							W			0.8	BH106_1.7-1.8
			2			FILL: SAND orange/brown, medium to coarse grain with ironstone gravels (10-20 mm), subangular to sub rounded. Trace glass					
											BH106_2.7-2.8
						FILL: GRAVEL slag with trace coarse sands					
			3								
			4		CL	sandy CLAY dark grey, low plasticity with white shell fragments (< 10 mm) trace rootlets				3.2	BH106_4.0-4.1

Remarks:
0.15-4.30 m: No odour/staining observed
1.50-2.70 m: Minimal pushtube recovery
2.90-3.10 m: No pushtube recovery
4.30-5.10 m: No pushtube recovery. Mild hydrogen sulfide odour

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SOIL BOREHOLE

BH106

Client:	Goodman	**Project No:**	60623599	**Start Date:**	28/01/2020
Project:	Burrows Industrial Estate (IE)	**Logged by:**	Kurtis Wathen	**End Date:**	28/01/2020
Location:	Unit 4	**Checked by:**	Alex Latham	**Location Meth.:**	dGPS0.001
Driller:	EPOCA	**Easting:**	331684.030 m	**Ground El.:**	3.467 mRL
Drill Type:	solid stem auger, hand auger, push tube	**Northing:**	6245461.203 m	**Ver. Datum:**	AHD
Drill Model:	Geoprobe 7822DT	**Total Depth:**	6.3 m	**Hor. Proj/Dat:**	MGA94/GDA94-55H
		Bore Dia.:	165 mm		

Drill Method	Casing	Groundwater Data and Comments	Depth (m)	Graphic Log	Classification	LITHOLOGICAL DESCRIPTION	Moisture	Consistency/ Relative Density	Sample Interval	PID (ppm)	Sample ID
			5		CL	sandy CLAY dark grey, low plasticity with white shell fragments (< 10 mm) trace rootlets from 5.10 m to 5.30 m: shell band	W				
			6						○	0.5	BH106_6.0-6.1
						BH106 terminated at 6.30 m. Target depth					
			7								
			8								
			9								

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SOIL BOREHOLE

BH107

Client:	Goodman	**Project No:**	60623599	**Start Date:**	29/01/2020
Project:	Burrows Industrial Estate (IE)	**Logged by:**	Rebekah Panozzo	**End Date:**	29/01/2020
Location:	Unit 8	**Checked by:**	Alex Latham	**Location Meth.:**	dGPS0.001
Driller:	EPOCA	**Easting:**	331731.264 m	**Ground El.:**	4.320 mRL
Drill Type:	diatube, hand auger, solid stem auger, hand auger, push tube, solid stem auger	**Northing:**	6245491.173 m	**Ver. Datum:**	AHD
Drill Model:	Geoprobe 7822DT	**Total Depth:**	5 m	**Hor. Proj/Dat:**	MGA94/GDA94-55H
		Bore Dia.:	165 mm		

Drill Method	Casing	Groundwater Data and Comments	Depth (m)	Graphic Log	Classification	LITHOLOGICAL DESCRIPTION	Moisture	Consistency/ Relative Density	Sample Interval	PID (ppm)	Sample ID
HA DT	None		0			PAVEMENT: CONCRETE slab	D				
SSA						FILL: SAND orange sandstone sands, medium to coarse grain	M				
						FILL: silty SAND dark brown, medium to coarse grain with concrete gravels (10-40 mm). Brick (20 mm)				0.1	BH107_0.2-0.3
						at 0.28 m: concrete cobble. Use solid stem auger to pass, return to hand auger				0.2	BH107_0.4-0.5
HA						FILL: SAND black/grey with orange, medium to coarse grain. Crushed brick fragments	D			0.3	BH107_0.5-0.6
						FILL: silty SAND dark brown/pale grey fine to medium grain with slag (10-80 mm), brick (20 mm) and sandstone gravels (10-20 mm) subangular to sub rounded				0.9	BH107_0.8-1.0
			1			FILL: silty SAND dark brown. Pale grey, fine to medium grain with shell fragments (50 mm) and nodules of metals (40 mm)					
PT						FILL: gravelly SAND dark brown, fine to medium grain inclusions of ceramics (20 mm) and minor glass. at 1.00 m: ash and crushed brick				3.5	BH107_1.5-1.7
		Standing water level at 1.70 m 29/01/2020					W				
			2								
			3								
SSA						FILL: sandy GRAVEL grey gravels. Sands; grey, coarse grain. Inclusions of terracotta, brick, glass and ironstone gravels					
			4							0.5	BH107_3.9-4.0
					SC	clayey SAND black, fine to medium grained				0.3	BH107_4.8-5.0

BH107 terminated at 5.00 m.
Target depth

Remarks:
0.15-4.80 m: No odour/staining observed
1.50-3.90 m: Minimal push tube recovery. Push tube sinking due to sands (1.5-2.7 m)
4.80-5.00 m: Hydrogen sulfide odour

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SOIL BOREHOLE

BH108

Client:	Goodman	**Project No:**	60623599	**Start Date:**	28/01/2020
Project:	Burrows Industrial Estate (IE)	**Logged by:**	Kurtis Wathen	**End Date:**	28/01/2020
Location:	Unit 9	**Checked by:**	Alex Latham	**Location Meth.:**	dGPS0.001
Driller:	EPOCA	**Easting:**	331714.016 m	**Ground El.:**	4.935 mRL
Drill Type:	diatube, hand auger, hand auger, solid stem auger	**Northing:**	6245533.699 m	**Ver. Datum:**	AHD
Drill Model:	Geoprobe 7822DT	**Total Depth:**	5.1 m	**Hor. Proj/Dat:**	MGA94/GDA94-55H
		Bore Dia.:	165 mm		

Drill Method	Casing	Groundwater Data and Comments	Depth (m)	Graphic Log	Classification	LITHOLOGICAL DESCRIPTION	Moisture	Consistency/ Relative Density	Sample Interval	PID (ppm)	Sample ID
HADT	None		0			PAVEMENT: CONCRETE slab	D				
						FILL: sandy GRAVEL dark grey road base gravels (10-30 mm). Sand; medium to coarse grain				1.7	BH108_0.15-0.25
						PAVEMENT: CONCRETE slab					
						FILL: sandy GRAVEL dark brown road base gravels (10-60 mm) with slag (20-40 mm) and ironstone gravels (10 mm)				1.5	BH108_0.35-0.45
						from 0.50 m: becoming gravelly sand, Sand becoming orange brown, trace ceramic (20 mm) and glass	M			0.6	BH108_0.5-0.6
						FILL: gravelly SAND red/brown, fine to coarse grain, mixed with ash (grey). Gravels; dark grey (10 mm) with slag gravels. Trace clay content and ironstone gravel (20 mm) and glass.				0.4	BH108_0.7-0.8
						FILL: as above; no obvious ash or slag				0.3	BH108_0.85-0.9
SSA			1			from 1.10 m: slag gravels and charcoal					
						from 1.30 m to 1.40 m: ash band				2.4	BH108_1.3-1.4
						from 1.50 m: trace ceramics					
			2			FILL: SAND red/orange, medium grain with ironstone gravel and trace slag				0.7	BH108_2.3-2.4
						from 2.50 m to 2.60 m: sands medium to coarse grain, blue/green colour					BH108_2.5-2.6
						FILL: FILL mixed slag, ash and trace road base gravels				1.8	BH108_2.8-2.9
		Standing water level at 3.00 m 28/01/2020	3								
			4			FILL: clayey gravelly SAND red, medium to coarse grain. With ironstone gravels (10-60 mm), trace slag	W			3.8	BH108_4.1-4.2
					CL	sandy CLAY dark grey mottled grey, medium plasticity				1.6	BH108_4.3-4.4
					SC	clayey SAND pale to dark grey, fine to medium grain				2.7	BH108_4.9-5.0

Remarks:
0.14-4.30 m: No odour/staining observed
4.30-4.90 m: Hydrogen sulfide odour
4.90-5.10 m: No odour/staining observed

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SOIL BOREHOLE

BH108

Client:	Goodman	**Project No:**	60623599	**Start Date:**	28/01/2020
Project:	Burrows Industrial Estate (IE)	**Logged by:**	Kurtis Wathen	**End Date:**	28/01/2020
Location:	Unit 9	**Checked by:**	Alex Latham	**Location Meth.:**	dGPS0.001
Driller:	EPOCA	**Easting:**	331714.016 m	**Ground El.:**	4.935 mRL
Drill Type:	diatube, hand auger, hand auger, solid stem auger	**Northing:**	6245533.699 m	**Ver. Datum:**	AHD
Drill Model:	Geoprobe 7822DT	**Total Depth:**	5.1 m	**Hor. Proj/Dat:**	MGA94/GDA94-55H
		Bore Dia.:	165 mm		

Drill Method	Casing	Groundwater Data and Comments	Depth (m)	Graphic Log	Classification	LITHOLOGICAL DESCRIPTION	Moisture	Consistency/ Relative Density	Sample Interval PID (ppm)	Sample ID
			5		SC	clayey SAND pale to dark grey, fine to medium grain	W			
						BH108 terminated at 5.10 m. Target depth				
			6							
			7							
			8							
			9							

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SOIL BOREHOLE

BH109

Client:	Goodman	**Project No:**	60623599	**Start Date:**	27/01/2020
Project:	Burrows Industrial Estate (IE)	**Logged by:**	Rebekah Panozzo	**End Date:**	27/01/2020
Location:	Unit 9	**Checked by:**	Alex Latham	**Location Meth.:**	dGPS0.001
Driller:	EPOCA	**Easting:**	331694.186 m	**Ground El.:**	4.924 mRL
Drill Type:	diatube, non-destructive drilling, solid stem auger, push tube	**Northing:**	6245515.801 m	**Ver. Datum:**	AHD
Drill Model:	Geoprobe 7822DT	**Total Depth:**	6.3 m	**Hor. Proj/Dat:**	MGA94/GDA94-55H
		Bore Dia.:	165 mm		

Drill Method	Casing	Groundwater Data and Comments	Depth (m)	Graphic Log	Classification	LITHOLOGICAL DESCRIPTION	Moisture	Consistency/ Relative Density	Sample Interval	PID (ppm)	Sample ID
DT	None		0			PAVEMENT: CONCRETE slab	D				
NDD						FILL: SAND dark grey, medium to coarse grain. Inclusions of brick (90 mm), ceramic tiles and minor iron stone inclusions (20 mm) at 0.45 m: same as above, with ash 10 - 15 %				0.3	BH109_0.3-0.4
						FILL: gravelly SAND sandstone sands, mixture of red, brown, grey, medium to coarse grained sands. Inclusion of shale gravels (15-20 mm), sub angular, slag (30-40 mm)				0.4	BH109_0.6-0.7
SSA						FILL: gravelly SAND dark brown, medium to coarse grain, slag inclusions (20-50 mm)				0.3	BH109_0.9-1.0
			1			FILL: clayey SAND grey/brown, medium grained. Inclusions of sandstone angular gravels. Minor glass, ceramic, slag and tree roots. at 1.20 m: increase slag content					
						FILL: gravelly SAND black, medium grained. Road base gravels. Minor slag inclusions				1.2	BH109_1.5-1.6
						FILL: gravelly SAND orange and red, medium to coarse grain. Road base gravels (10-15 mm), sub angular. Minor clay inclusions and ceramic fragments	M				
			2								
		Standing water level at 2.70 m 27/02/2020					W			3.3	BH109_2.7-2.8
PT			3			from 2.90 m to 3.00 m: dark grey and green					
			4								
					CL	sandy CLAY dark grey, medium plasticity, sand medium grain.				0.2	BH109_4.5-4.6

Remarks:
0.28-6.30 m: No odour/staining observed
0.80-0.90 m: Hand auger refusal, switching to SSA
1.50-2.70 m: Minimal pushtube recovery, no sample recovery

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SOIL BOREHOLE

BH109

Client:	Goodman	**Project No:**	60623599	**Start Date:**	27/01/2020
Project:	Burrows Industrial Estate (IE)	**Logged by:**	Rebekah Panozzo	**End Date:**	27/01/2020
Location:	Unit 9	**Checked by:**	Alex Latham	**Location Meth.:**	dGPS0.001
Driller:	EPOCA	**Easting:**	331694.186 m	**Ground El.:**	4.924 mRL
Drill Type:	diatube, non-destructive drilling, solid stem auger, push tube	**Northing:**	6245515.801 m	**Ver. Datum:**	AHD
Drill Model:	Geoprobe 7822DT	**Total Depth:**	6.3 m	**Hor. Proj/Dat:**	MGA94/GDA94-55H
		Bore Dia.:	165 mm		

Drill Method	Casing	Groundwater Data and Comments	Depth (m)	Graphic Log	Classification	LITHOLOGICAL DESCRIPTION	Moisture	Consistency/ Relative Density	Sample Interval	PID (ppm)	Sample ID
PT			5		CL		W				
					SC	clayey SAND grey, fine to medium grain sands, medium plasticity: clay content decreasing from 5.80 m to 6.30 m: shell band; white, shells (5 -10 mm)					
			6						◯	0.3	BH109_6.1-6.2
						BH109 terminated at 6.30 m. Target depth					
			7								
			8								
			9								

Final

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SOIL BOREHOLE

BH110

Client:	Goodman	**Project No:**	60623599	**Start Date:**	27/01/2020
Project:	Burrows Industrial Estate (IE)	**Logged by:**	Rebekah Panozzo	**End Date:**	27/01/2020
Location:	Unit 9	**Checked by:**	Alex Latham	**Location Meth.:**	dGPS0.001
Driller:	EPOCA	**Easting:**	331661.963 m	**Ground El.:**	4.888 mRL
Drill Type:	diatube, hand auger, push tube, solid stem auger	**Northing:**	6245491.955 m	**Ver. Datum:**	AHD
Drill Model:	Geoprobe 7822DT	**Total Depth:**	5.1 m	**Hor. Proj/Dat:**	MGA94/GDA94-55H
		Bore Dia.:	165 mm		

Drill Method	Casing	Groundwater Data and Comments	Depth (m)	Graphic Log	Classification	LITHOLOGICAL DESCRIPTION	Moisture	Consistency/ Relative Density	Sample Interval	PID (ppm)	Sample ID
DT	None		0			PAVEMENT: CONCRETE slab	D				
HA						FILL: gravelly SAND dark grey, coarse to medium grain. Minor ironstone gravels, sub-rounded to sub-angular (20 mm), slag fragments (10-25 mm) at 0.40 m: fragments of terracotta pipe, orange (40 - 70 mm) at 0.45 m: metal inclusions (50 mm)				0.5 0.4	BH110_0.35-0.36 BH110_0.4-0.6
PT						from 0.50 m: increase in ironstone gravels and slag (20 - 30 mm), sub-rounded to sub-angular. Minor inclusions of glass (30 mm), ceramics, brick fragments and slag (10 mm)					
SSA			1			FILL: gravelly SAND brown, fine to medium grain. Ironstone gravels, sub-rounded to sub-angular (10-40 mm) Minor clays and sandstone gravels (10 mm), terracotta				0.5	BH110_0.9-1.0
						FILL: sandy GRAVEL dark grey, road base gravels (5-20 mm), sands medium to coarse grain. Inclusions of sandstone sands speckled with silver mineral deposits				0.7	BH110_1.2-1.3
			2								
						FILL: SAND sandstone sands, orange, inclusions of ceramic at 2.80 m: rubber inclusion	W				
			3								
			4								

Remarks:
0.33-5.10 m: No odour/staining observed
1.20-2.70 m: Minimal recovery for ACM sample
2.70-5.10 m: Minimal pushtube recovery

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SOIL BOREHOLE

BH110

Client:	Goodman	**Project No:**	60623599	**Start Date:**	27/01/2020
Project:	Burrows Industrial Estate (IE)	**Logged by:**	Rebekah Panozzo	**End Date:**	27/01/2020
Location:	Unit 9	**Checked by:**	Alex Latham	**Location Meth.:**	dGPS0.001
Driller:	EPOCA	**Easting:**	331661.963 m	**Ground El.:**	4.888 mRL
Drill Type:	diatube, hand auger, push tube, solid stem auger	**Northing:**	6245491.955 m	**Ver. Datum:**	AHD
Drill Model:	Geoprobe 7822DT	**Total Depth:**	5.1 m	**Hor. Proj/Dat:**	MGA94/GDA94-55H
		Bore Dia.:	165 mm		

Drill Method	Casing	Groundwater Data and Comments	Depth (m)	Graphic Log	Classification	LITHOLOGICAL DESCRIPTION	Moisture	Consistency/ Relative Density	Sample Interval PID (ppm)	Sample ID
		▼ Standing water level at 5.10 m 27/01/2020	5			FILL: SAND sandstone sands, orange, inclusions of ceramic	W			
					CL	silty CLAY grey, medium plasticity. *BH110 terminated at 5.10 m. Target depth*				
			6							
			7							
			8							
			9							

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SOIL BOREHOLE

BH111

Client:	Goodman	**Project No:**	60623599	**Start Date:**	30/01/2020
Project:	Burrows Industrial Estate (IE)	**Logged by:**	Rebekah Panozzo	**End Date:**	30/01/2020
Location:	Unit 6	**Checked by:**	Alex Latham	**Location Meth.:**	dGPS0.001
Driller:	EPOCA	**Easting:**	331718.244 m	**Ground El.:**	3.455 mRL
Drill Type:	diatube, hand auger, solid stem auger, hand auger, solid stem auger	**Northing:**	6245456.264 m	**Ver. Datum:**	AHD
Drill Model:	Geoprobe 7822DT	**Total Depth:**	4.5 m	**Hor. Proj/Dat:**	MGA94/GDA94-55H
		Bore Dia.:	165 mm		

Drill Method	Casing	Groundwater Data and Comments	Depth (m)	Graphic Log	Classification	LITHOLOGICAL DESCRIPTION	Moisture	Consistency/ Relative Density	Sample Interval	PID (ppm)	Sample ID
DT	None		0			PAVEMENT: CONCRETE slab	D				
HA						FILL: SAND orange mixed with brown, medium grain, 10% yellow fine grain sands. Minor road base gravels and glass (20 mm)				0.1	BH111_0.15-0.2
SSA						FILL: gravelly SAND grey, medium to coarse grain with inclusions of ironstone (15 mm) and road base gravels, slag and ceramics (15 mm) at 0.45 m: cobble (60 mm) at 0.50 m: as above with increase size in ironstone gravels (20-30 mm)				0.2	BH111_0.3-0.4
HA						FILL: SAND red/brown, medium to coarse grain, minor ironstone gravels (10 mm) and ceramics (15 mm). at 0.70 m: concrete cobble (70 mm)				0.1	BH111_0.65-0.75
			1			at 1.20 m: sands becoming red with minor glass inclusions					
SSA						FILL: clayey SAND orange/red, minor to coarse grain, minor inclusions of ceramics, glass and black gravels (5 mm)				0.1	BH111_1.5-1.6
			2			at 2.00 m: increase in slag content	M				
		Standing water level at 2.40 m 30/01/2020				FILL: sandy GRAVEL brown, medium to coarse grain. Gravels; black road base (5-10 mm), sub angular to sub rounded. Minor inclusions of plastic	W			0.0	BH111_2.3-2.4
						at 2.60 m: increase size of road base gravels (30-50 mm)	M				
			3			at 3.00 m: inclusions of ceramics					
						FILL: gravelly SAND red/grey, medium to coarse grain. Gravels; black road base (5-10 mm), sub angular. Minor clays.				0.1	BH111_3.2-3.3
						at 3.40 m: black clay. Possibly natural					
					CL	CLAY black/dark grey, medium plasticity.	W				
			4							0.1	BH111_4.3-4.5
						BH111 terminated at 4.50 m. *Target depth*					

Remarks: 0.14-4.50 m: No odour/staining observed

Final

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Final

SOIL BOREHOLE

BH113

Client:	Goodman	**Project No:**	60623599	**Start Date:**	29/01/2020
Project:	Burrows Industrial Estate (IE)	**Logged by:**	Rebekah Panozzo	**End Date:**	29/01/2020
Location:	1-3 Burrows Road, Alexandria NSW	**Checked by:**	Alex Latham	**Location Meth.:**	dGPS0.001
Driller:	EPOCA	**Easting:**	331776.030 m	**Ground El.:**	3.473 mRL
Drill Type:	diatube, hand auger, solid stem auger, hand auger	**Northing:**	6245471.041 m	**Ver. Datum:**	AHD
Drill Model:	Geoprobe 7822DT	**Total Depth:**	1.38 m	**Hor. Proj/Dat:**	MGA94/GDA94-55H
		Bore Dia.:	165 mm		

Drill Method	Casing	Groundwater Data and Comments	Depth (m)	Graphic Log	Classification	LITHOLOGICAL DESCRIPTION	Moisture	Consistency/ Relative Density	Sample Interval	PID (ppm)	Sample ID
DT	None		0			PAVEMENT: CONCRETE slab	D				
HA						FILL: gravelly SAND dark brown, medium to coarse grain. Slag gravels (10-15mm), minor tile inclusions				1.3	BH113_0.2-0.3
						at 0.40 m: sands becoming light brown. Minor modules metals				0.5	BH113_0.4-0.5
SSA						FILL: gravelly SAND moisture of pale yellow/brown and orange, medium to coarse grain. Gravels; road base (15-20 mm), pale yellow sandstone gravels and ironstone gravels (20 mm), minor glass inclusions (40 mm)				0.2	BH113_0.6-0.7
						at 0.67 m: minor orange clay inclusions					
						grey cobble					
HA			1			FILL: SAND yellow, fine to medium grain				0.8	BH113_1.0-1.1
						at 1.10 m: as above with inclusions of ironstone gravels (30 mm), slag and concrete gravels					
						FILL: SAND brown, fine to medium grain with 5% ironstone gravels					BH113_1.3-1.38
						BH113 terminated at 1.38 m. *Possible services*					
			2								
			3								
			4								

Remarks: 0.15-1.38 m: No odour/staining

Final

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Final

SOIL BOREHOLE

BH114

Client:	Goodman	**Project No:**	60623599	**Start Date:**	03/02/2020
Project:	Burrows Industrial Estate (IE)	**Logged by:**	Rebekah Panozzo	**End Date:**	03/02/2020
Location:	1-3 Burrows Road, Alexandria NSW	**Checked by:**	Alex Latham	**Location Meth.:**	dGPS0.001
Driller:	EPOCA	**Easting:**	331703.793 m	**Ground El.:**	4.335 mRL
Drill Type:	diatube, hand auger, solid stem auger	**Northing:**	6245481.454 m	**Ver. Datum:**	AHD
Drill Model:	Geoprobe 7822DT	**Total Depth:**	5.5 m	**Hor. Proj/Dat:**	MGA94/GDA94-55H
		Bore Dia.:	165 mm		

Drill Method	Casing	Groundwater Data and Comments	Depth (m)	Graphic Log	Classification	LITHOLOGICAL DESCRIPTION	Moisture	Consistency/ Relative Density	Sample Interval	PID (ppm)	Sample ID
DT	None		0			PAVEMENT: CONCRETE slab	D				
HA						FILL: gravelly SAND black, medium to coarse grain. Gravels; black roadbase gravels (20 - 30 mm) at 0.20 m: ash at 0.27 m: brick fragment (50 - 70 mm) becoming brown/black. Increased size of roadbase gravels (10 - 30 mm). Inclusions of ironstone gravels. at 0.50 m: inclusions of slag, glass, bark chips, plastic and ceramics. Sands becoming orange/brown				0.0	BH114_0.15-0.25
										0.1	BH114_0.45-0.55
						FILL: SAND brown, medium to coarse grain. With ironstone gravels and bricks orange sandstone sands and white sandstone gravels (40 mm)				0.0	BH114_0.8-0.9
SSA			1			FILL: gravelly SAND brown, medium to coarse grain. With ironstone and roadbase gravels (10 - 20 mm). Minor clay component, low to medum plasticity.	M				
		Standing water level at 1.30 m 03/02/2020				at 1.30 m: sand becoming coarse	W			0.0	BH114_1.3-1.4
			2			from 2.00 m: inclusions of brick (35 mm)m, glass, slag and strip of metal (1.5 x 70 mm)				0.0	BH114_2.3-2.4
						FILL: SAND red, coarse grain				0.9	BH114_2.75-2.85
			3			FILL: clayey SAND brown, fine to medium grain. Clay; black, low to medium plasticity.					
						from 3.30 m: metals and rootlets				0.1	BH114_3.3-3.4
			4			from 4.30 m: as above with increasing clay component					

Remarks: 0.15-5.50 m: No odour/staining observed
4.30 m: Possibly Natural

Final

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Final

SOIL BOREHOLE

BH114

Client:	Goodman	**Project No:**	60623599	**Start Date:**	03/02/2020
Project:	Burrows Industrial Estate (IE)	**Logged by:**	Rebekah Panozzo	**End Date:**	03/02/2020
Location:	1-3 Burrows Road, Alexandria NSW	**Checked by:**	Alex Latham	**Location Meth.:**	dGPS0.001
Driller:	EPOCA	**Easting:**	331703.793 m	**Ground El.:**	4.335 mRL
Drill Type:	diatube, hand auger, solid stem auger	**Northing:**	6245481.454 m	**Ver. Datum:**	AHD
Drill Model:	Geoprobe 7822DT	**Total Depth:**	5.5 m	**Hor. Proj/Dat:**	MGA94/GDA94-55H
		Bore Dia.:	165 mm		

Drill Method	Casing	Groundwater Data and Comments	Depth (m)	Graphic Log	Classification	LITHOLOGICAL DESCRIPTION	Moisture	Consistency/ Relative Density	Sample Interval	PID (ppm)	Sample ID
			5		CL	CLAY dark grey/black, medium plasticity:			○	0.0	BH114_5.0-5.1
						BH114 terminated at 5.50 m. Target depth					
			6								
			7								
			8								
			9								

Final

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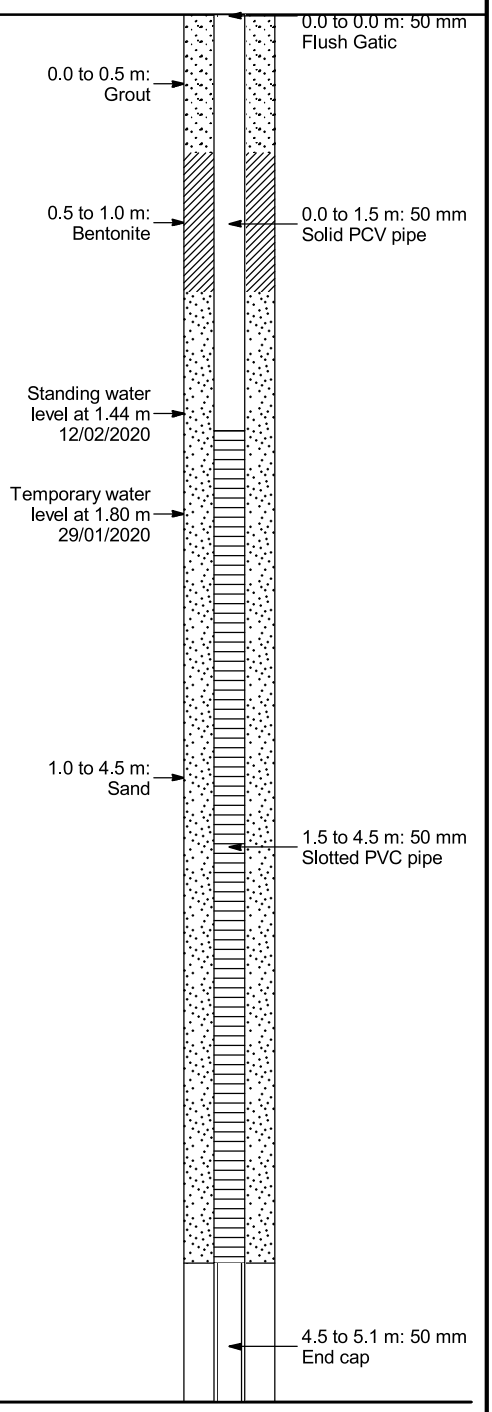
Final

MONITORING WELL MW115

Client:	Goodman	**Project No:**	60623599	**Start Date:**	29/01/2020
Project:	Burrows Industrial Estate (IE)	**Logged by:**	Rebekah Panozzo	**End Date:**	29/01/2020
Location:	1-3 Burrows Road, Alexandria NSW	**Checked by:**	Alex Latham	**Location Meth.:**	dGPS0.001
Driller:	EPOCA	**Easting:**	331673.500 m	**Top of Casing:**	2.843 mRL
Drill Type:	hand auger, solid stem auger, push tube	**Northing:**	6245404.400 m	**Ver. Datum:**	AHD
Drill Model:	Geoprobe 7822DT	**Total Depth:**	5.1 m	**Hor. Proj/Dat:**	MGA94/GDA94-55H
		Bore Dia.:	165 mm	**Pipe Dia.:**	50 mm

Drill Method	Sample Interval	PID (ppm)	Sample ID	Graphic Log	Classification	LITHOLOGICAL DESCRIPTION	Moisture	Depth (m)
HA		0.5	BH115_0.1-0.2			TOPSOIL: FILL TOPSOIL; brown, fine grain sands, inclusions of yellow sandstone gravels (30-50 mm)	D	0
						at 0.50 m: brick fragments(100-150 mm)		
		0.2	BH115_0.6-0.7			FILL: silty gravelly SAND dark grey, fine to medium grain. Inclusions of slag gravels (10-40 mm), minor ironstone gravels	M	
SSA		0.6	BH115_0.7-0.8			FILL: SAND light grey, fine to medium grain		
		0.7	BH115_1.0-1.1			FILL: gravelly SAND dark brown, fine to medium grain, slag gravels (10-25 mm)	D	1
						FILL: clayey SAND dark grey/orange. Clay; low plasticity. Minor ironstone inclusions (5-10 mm)		
							W	2
PT			BH115_2.5-2.6			FILL: sandy GRAVEL brown road base gravels, subangular to angular (5 mm). Minor clays, grey and ceramics at 2.60 m: slag inclusions(10 mm)		3
			BH115_3.8-3.9			from 3.90 m to : Material unknown due to no pushtube recovery		4

WELL CONSTRUCTION DETAILS



Remarks:
0.00-5.10 m: No odour/staining observed
1.50-2.70 m: Minimal pushtube recovery
2.70-3.90 m: Very minimal pushtube recovery
3.90-5.10 m: No pushtube recovery

Final

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Final

MONITORING WELL MW115

Client:	Goodman		**Project No:**	60623599	**Start Date:** 29/01/2020
Project:	Burrows Industrial Estate (IE)		**Logged by:**	Rebekah Panozzo	**End Date:** 29/01/2020
Location:	1-3 Burrows Road, Alexandria NSW		**Checked by:**	Alex Latham	**Location Meth.:** dGPS0.001
Driller:	EPOCA		**Easting:**	331673.500 m	**Top of Casing:** 2.843 mRL
Drill Type:	hand auger, solid stem auger, push tube		**Northing:**	6245404.400 m	**Ver. Datum:** AHD
Drill Model:	Geoprobe 7822DT	**Total Depth:** 5.1 m	**Hor. Proj/Dat:**	MGA94/GDA94-55H	
		Bore Dia.: 165 mm	**Pipe Dia.:**	50 mm	

Drill Method	Sample Interval PID (ppm)	Sample ID	Graphic Log	Classification	LITHOLOGICAL DESCRIPTION	Moisture	Depth (m)	WELL CONSTRUCTION DETAILS
PT						W	5	
					MW115 terminated at 5.10 m. Target depth. Groundwater monitoring well installed			
							6	
							7	
							8	
							9	

Final

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Final

SOIL BOREHOLE

BH116

Client:	Goodman	**Project No:**	60623599	**Start Date:**	30/01/2020
Project:	Burrows Industrial Estate (IE)	**Logged by:**	Rebekah Panozzo	**End Date:**	30/01/2020
Location:	Unit 5	**Checked by:**	Alex Latham	**Location Meth.:**	dGPS0.001
Driller:	EPOCA	**Easting:**	331707.577 m	**Ground El.:**	3.382 mRL
Drill Type:	diatube, hand auger, solid stem auger	**Northing:**	6245414.797 m	**Ver. Datum:**	AHD
Drill Model:	Geoprobe 7822DT	**Total Depth:**	0.78 m	**Hor. Proj/Dat:**	MGA94/GDA94-55H
		Bore Dia.:	165 mm		

Drill Method	Casing	Groundwater Data and Comments	Depth (m)	Graphic Log	Classification	LITHOLOGICAL DESCRIPTION	Moisture	Consistency/ Relative Density	Sample Interval	PID (ppm)	Sample ID
DT	None		0			PAVEMENT: CONCRETE slab	D				
HA						FILL: gravelly SAND brown, coarse to medium grain. Minor inclusions of ironstone gravels (10-15 mm), brick (30-50 mm) and glass fragments (30-40 mm)				0.2	BH116_0.3-0.4
SSA						FILL: gravelly SAND black, fine to medium grain with slag (10-30 mm), minor ironstone gravel inclusions. at 0.62 m: Brick inclusion (50 mm) from 0.65 m: As above with inclusions of sandstone gravels (30 - 50 mm), orange/white. at 0.70 m: sands becoming black/light brown				0.3	BH116_0.6-0.65
						Possibly FILL: concrete slab/potential service.				0.2	BH116_0.75-0.78
						BH116 terminated at 0.78 m. *Target depth*					
			1								

Remarks: 0.33-0.78 m: No odour/staining observed

Final

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Final

SOIL BOREHOLE

BH117

Client:	Goodman	**Project No:**	60623599	**Start Date:**	30/01/2020
Project:	Burrows Industrial Estate (IE)	**Logged by:**	Rebekah Panozzo	**End Date:**	30/01/2020
Location:	Unit 5	**Checked by:**	Alex Latham	**Location Meth.:**	dGPS0.001
Driller:	EPOCA	**Easting:**	331695.246 m	**Ground El.:**	3.367 mRL
Drill Type:	diatube, hand auger, solid stem auger	**Northing:**	6245419.790 m	**Ver. Datum:**	AHD
Drill Model:	Geoprobe 7822DT	**Total Depth:**	4.5 m	**Hor. Proj/Dat:**	MGA94/GDA94-55H
		Bore Dia.:	165 mm		

Drill Method	Casing	Groundwater Data and Comments	Depth (m)	Graphic Log	Classification	LITHOLOGICAL DESCRIPTION	Moisture	Consistency/ Relative Density	Sample Interval	PID (ppm)	Sample ID
DT	None		0			PAVEMENT: CONCRETE slab	D				
HA						FILL: gravelly SAND orange mixed with grey, fine to medium grain. Inclusions of ironstone (10-40 mm), subangular to sub rounded. Minor inclusions of orange sandstone gravels (40 mm) orange and clay.	D		○	0.1	BH117_0.3-0.4
SSA						FILL: SAND black speckled with grey and brown, fine to medium grain, minor inclusions of slag gravels (5 -10 %) (10-20 mm)			○	0.1	BH117_0.8-0.9
			1			FILL: clayey SAND black, fine to medium grain, minor ironstone gravels. Clay low to medium plasticity at 1.40 m: concrete gravels (20 mm), minor inclusions of metal nails and glass.			○	0.4	BH117_1.3-1.4
						at 1.70 m: increasing clay content	M				
		Standing water level at 2.20 m 30/01/2020	2			FILL: sandy GRAVEL black road base gravels (10 - 15 mm). Sands; brown, coarse grain. Inclusions of tree rootlets (5%), nails, fragments of metal and ceramics (20 mm). Minor glass fragments	W		○	0.3	BH117_2.2-2.3
						at 2.70 m: sands speckled with grey at 2.80 m: minor concrete gravels					
			3						○	0.5	BH117_3.1-3.2
						at 3.40 m: terracotta tile fragment					
			4		SC	clayey SAND light grey/grey			○		BH117_3.9-4.0
					CL	sandy CLAY grey, low to medium plasticity.			○		BH117_4.4-4.5
						BH117 terminated at 4.50 m. *Drill bit refusal on concrete slab*					

Remarks: 0.26-4.50 m: No odour/staining observed

Final

Appendix G

Laboratory

ALS Environmental

CERTIFICATE OF ANALYSIS

Work Order	: **ES1529109**	Page	: 1 of 69
Client	: **AECOM Australia Pty Ltd**	Laboratory	: Environmental Division Sydney
Contact	: MR ALEX LATHAM	Contact	: Barbara Hanna
Address	: LEVEL 21, 420 George Street SYDNEY NSW 2000	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
E-mail	: alex.latham@aecom.com	E-mail	: Barbara.Hanna@alsglobal.com
Telephone	: +61 02 8934 0000	Telephone	: +61 2 8784 8555
Facsimile	: +61 02 8934 0001	Facsimile	: +61-2-8784 8500
Project	: 60438840/1.1 Burrows	QC Level	: NEPM 2013 Schedule B(3) and ALS QCS3 requirement
Order number	: 60438840/1.1	Date Samples Received	: 24-Aug-2015 16:00
C-O-C number	: ----	Date Analysis Commenced	: 26-Aug-2015
Sampler	: KATE PIGRAM, LAUREN GIBB	Issue Date	: 31-Aug-2015 18:23
Site	: ----		
		No. of samples received	: 124
Quote number	: ----	No. of samples analysed	: 52

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Descriptive Results

NATA Accredited Laboratory 825

Accredited for compliance with ISO/IEC 17025.

WORLD RECOGNISED ACCREDITATION

This document has been electronically signed by the authorized signatories indicated below. Electronic signing has been carried out in compliance with procedures specified in 21 CFR Part 11.

Celine Conceicao	Senior Spectroscopist	Sydney Inorganics
Gerrad Morgan	Asbestos Identifier	Newcastle - Asbestos
Pabi Subba	Senior Organic Chemist	Sydney Inorganics
Pabi Subba	Senior Organic Chemist	Sydney Organics
Shaun Spooner	Asbestos Identifier	Newcastle - Asbestos

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting
ø = ALS is not NATA accredited for these tests.

- EA200: Asbestos Identification Samples were analysed by Polarised Light Microscopy including dispersion staining.
- EA200: Negative results for vinyl tiles should be confirmed by an independent analytical technique.
- EA200 Legend
- EA200 'Am' Amosite (brown asbestos)
- EA200 'Ch' Chrysotile (white asbestos)
- EA200 'Cr' Crocidolite (blue asbestos)
- EA200: 'UMF' Unknown Mineral Fibres. "-" indicates fibres detected may or may not be asbestos fibres. Confirmation by alternative techniques is recommended.
- EG005T: Poor precision was obtained for some elements on sample ES1529109 #003 and #015 due to sample heterogeneity. Results have been confirmed by re-extraction and reanalysis.
- EG035T: Poor precision was obtained for Mercury on sample ES1529109 # 3 due to sample heterogeneity. Results have been confirmed by re-extraction and reanalysis.
- EP071: Poor duplicate precision and poor matrix spike recovery for sample QC202 due to sample heterogeneity. Confirmed by re-extraction and re-analysis.
- EP075(SIM): Particular samples required dilution due to the presence of high level contaminants. LOR values have been adjusted accordingly.
- EP075(SIM) : Particular samples required dilution due to samples matrix interferences. LOR values have been adjusted accordingly.Poor Matrix Spike recovery due to samples matrix interferences.
- EP068 : Particular samples # ES1529109_19 required dilution prior to analysis due to matrix interferences. LOR values have been adjusted accordingly.
- EA200 'Trace' - Asbestos fibres ("Free Fibres") detected by trace analysis per AS4964. The result can be interpreted that the sample contains detectable 'respirable' asbestos fibres
- Benzo(a)pyrene Toxicity Equivalent Quotient (TEQ) is the sum total of the concentration of the eight carcinogenic PAHs multiplied by their Toxicity Equivalence Factor (TEF) relative to Benzo(a)pyrene. TEF values are provided in brackets as follows: Benz(a)anthracene (0.1), Chrysene (0.01), Benzo(b+j) & Benzo(k)fluoranthene (0.1), Benzo(a)pyrene (1.0), Indeno(1.2.3.cd)pyrene (0.1), Dibenz(a.h)anthracene (1.0), Benzo(g.h.i)perylene (0.01). Less than LOR results for 'TEQ Zero' are treated as zero, for 'TEQ 1/2LOR' are treated as half the reported LOR, and for 'TEQ LOR' are treated as being equal to the reported LOR. Note: TEQ 1/2LOR and TEQ LOR will calculate as 0.6mg/Kg and 1.2mg/Kg respectively for samples with non-detects for all of the eight TEQ PAHs.
- EA200: For samples larger than 30g, the <2mm fraction may be sub-sampled prior to trace analysis as outlined in ISO23909:2008(E) Sect 6.3.2-2

Sub-Matrix: SOIL (Matrix: SOIL)				BH22_0.3-0.4	BH22_0.8-0.9	BH22_2.2-2.3	BH22_4.5-4.7	BH15_0.4-0.5
				[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]
				ES1529109-001	ES1529109-003	ES1529109-004	ES1529109-005	ES1529109-006
				Result	Result	Result	Result	Result
EA055: Moisture Content								
^ Moisture Content (dried @ 103°C)	----	1	%	----	21.3	11.2	48.4	11.2
EA200: AS 4964 - 2004 Identification of Asbestos in Soils								
Asbestos Detected	1332-21-4	0.1	g/kg	Yes	----	----	----	No
Asbestos Type	1332-21-4	-	--	Ch + Am	----	----	----	-
Sample weight (dry)	----	0.01	g	233	----	----	----	626
APPROVED IDENTIFIER:	----	-	--	G.MORGAN	----	----	----	G.MORGAN
EG005T: Total Metals by ICP-AES								
Arsenic	7440-38-2	5	mg/kg	----	357	119	13	<5
Cadmium	7440-43-9	1	mg/kg	----	1	3	<1	<1
Chromium	7440-47-3	2	mg/kg	----	19	29	20	100
Copper	7440-50-8	5	mg/kg	----	444	550	6	28
Lead	7439-92-1	5	mg/kg	----	554	6300	14	5
Nickel	7440-02-0	2	mg/kg	----	12	2700	7	89
Zinc	7440-66-6	5	mg/kg	----	862	14500	26	46
EG035T: Total Recoverable Mercury by FIMS								
Mercury	7439-97-6	0.1	mg/kg	----	0.8	0.3	<0.1	<0.1
EP066: Polychlorinated Biphenyls (PCB)								
Total Polychlorinated biphenyls	----	0.1	mg/kg	----	----	----	----	----
EP068A: Organochlorine Pesticides (OC)								
alpha-BHC	319-84-6	0.05	mg/kg	----	----	----	----	----
Hexachlorobenzene (HCB)	118-74-1	0.05	mg/kg	----	----	----	----	----
beta-BHC	319-85-7	0.05	mg/kg	----	----	----	----	----
gamma-BHC	58-89-9	0.05	mg/kg	----	----	----	----	----
delta-BHC	319-86-8	0.05	mg/kg	----	----	----	----	----
Heptachlor	76-44-8	0.05	mg/kg	----	----	----	----	----
Aldrin	309-00-2	0.05	mg/kg	----	----	----	----	----
Heptachlor epoxide	1024-57-3	0.05	mg/kg	----	----	----	----	----
^ Total Chlordane (sum)	----	0.05	mg/kg	----	----	----	----	----
trans-Chlordane	5103-74-2	0.05	mg/kg	----	----	----	----	----
alpha-Endosulfan	959-98-8	0.05	mg/kg	----	----	----	----	----
cis-Chlordane	5103-71-9	0.05	mg/kg	----	----	----	----	----
Dieldrin	60-57-1	0.05	mg/kg	----	----	----	----	----
4.4`-DDE	72-55-9	0.05	mg/kg	----	----	----	----	----
Endrin	72-20-8	0.05	mg/kg	----	----	----	----	----

Sub-Matrix: SOIL (Matrix: SOIL)				BH22_0.3-0.4	BH22_0.8-0.9	BH22_2.2-2.3	BH22_4.5-4.7	BH15_0.4-0.5
				[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]
				ES1529109-001	ES1529109-003	ES1529109-004	ES1529109-005	ES1529109-006
				Result	Result	Result	Result	Result
EP068A: Organochlorine Pesticides (OC) - Continued								
beta-Endosulfan	33213-65-9	0.05	mg/kg	----	----	----	----	----
^ Endosulfan (sum)	115-29-7	0.05	mg/kg	----	----	----	----	----
4.4`-DDD	72-54-8	0.05	mg/kg	----	----	----	----	----
Endrin aldehyde	7421-93-4	0.05	mg/kg	----	----	----	----	----
Endosulfan sulfate	1031-07-8	0.05	mg/kg	----	----	----	----	----
4.4`-DDT	50-29-3	0.2	mg/kg	----	----	----	----	----
Endrin ketone	53494-70-5	0.05	mg/kg	----	----	----	----	----
Methoxychlor	72-43-5	0.2	mg/kg	----	----	----	----	----
^ Sum of Aldrin + Dieldrin	309-00-2/60-57-1	0.05	mg/kg	----	----	----	----	----
^ Sum of DDD + DDE + DDT	----	0.05	mg/kg	----	----	----	----	----
EP068B: Organophosphorus Pesticides (OP)								
Dichlorvos	62-73-7	0.05	mg/kg	----	----	----	----	----
Demeton-S-methyl	919-86-8	0.05	mg/kg	----	----	----	----	----
Monocrotophos	6923-22-4	0.2	mg/kg	----	----	----	----	----
Dimethoate	60-51-5	0.05	mg/kg	----	----	----	----	----
Diazinon	333-41-5	0.05	mg/kg	----	----	----	----	----
Chlorpyrifos-methyl	5598-13-0	0.05	mg/kg	----	----	----	----	----
Parathion-methyl	298-00-0	0.2	mg/kg	----	----	----	----	----
Malathion	121-75-5	0.05	mg/kg	----	----	----	----	----
Fenthion	55-38-9	0.05	mg/kg	----	----	----	----	----
Chlorpyrifos	2921-88-2	0.05	mg/kg	----	----	----	----	----
Parathion	56-38-2	0.2	mg/kg	----	----	----	----	----
Pirimphos-ethyl	23505-41-1	0.05	mg/kg	----	----	----	----	----
Chlorfenvinphos	470-90-6	0.05	mg/kg	----	----	----	----	----
Bromophos-ethyl	4824-78-6	0.05	mg/kg	----	----	----	----	----
Fenamiphos	22224-92-6	0.05	mg/kg	----	----	----	----	----
Prothiofos	34643-46-4	0.05	mg/kg	----	----	----	----	----
Ethion	563-12-2	0.05	mg/kg	----	----	----	----	----
Carbophenothion	786-19-6	0.05	mg/kg	----	----	----	----	----
Azinphos Methyl	86-50-0	0.05	mg/kg	----	----	----	----	----
EP074D: Fumigants								
2.2-Dichloropropane	594-20-7	0.5	mg/kg	----	----	----	----	----
1.2-Dichloropropane	78-87-5	0.5	mg/kg	----	----	----	----	----
cis-1.3-Dichloropropylene	10061-01-5	0.5	mg/kg	----	----	----	----	----

Sub-Matrix: SOIL (Matrix: SOIL)				BH22_0.3-0.4	BH22_0.8-0.9	BH22_2.2-2.3	BH22_4.5-4.7	BH15_0.4-0.5
				[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]
				ES1529109-001	ES1529109-003	ES1529109-004	ES1529109-005	ES1529109-006
				Result	Result	Result	Result	Result
EP074D: Fumigants - Continued								
trans-1.3-Dichloropropylene	10061-02-6	0.5	mg/kg	----	----	----	----	----
1.2-Dibromoethane (EDB)	106-93-4	0.5	mg/kg	----	----	----	----	----
EP074E: Halogenated Aliphatic Compounds								
Dichlorodifluoromethane	75-71-8	5	mg/kg	----	----	----	----	----
Chloromethane	74-87-3	5	mg/kg	----	----	----	----	----
Vinyl chloride	75-01-4	5	mg/kg	----	----	----	----	----
Bromomethane	74-83-9	5	mg/kg	----	----	----	----	----
Chloroethane	75-00-3	5	mg/kg	----	----	----	----	----
Trichlorofluoromethane	75-69-4	5	mg/kg	----	----	----	----	----
1.1-Dichloroethene	75-35-4	0.5	mg/kg	----	----	----	----	----
Iodomethane	74-88-4	0.5	mg/kg	----	----	----	----	----
trans-1.2-Dichloroethene	156-60-5	0.5	mg/kg	----	----	----	----	----
1.1-Dichloroethane	75-34-3	0.5	mg/kg	----	----	----	----	----
cis-1.2-Dichloroethene	156-59-2	0.5	mg/kg	----	----	----	----	----
1.1.1-Trichloroethane	71-55-6	0.5	mg/kg	----	----	----	----	----
1.1-Dichloropropylene	563-58-6	0.5	mg/kg	----	----	----	----	----
Carbon Tetrachloride	56-23-5	0.5	mg/kg	----	----	----	----	----
1.2-Dichloroethane	107-06-2	0.5	mg/kg	----	----	----	----	----
Trichloroethene	79-01-6	0.5	mg/kg	----	----	----	----	----
Dibromomethane	74-95-3	0.5	mg/kg	----	----	----	----	----
1.1.2-Trichloroethane	79-00-5	0.5	mg/kg	----	----	----	----	----
1.3-Dichloropropane	142-28-9	0.5	mg/kg	----	----	----	----	----
Tetrachloroethene	127-18-4	0.5	mg/kg	----	----	----	----	----
1.1.1.2-Tetrachloroethane	630-20-6	0.5	mg/kg	----	----	----	----	----
trans-1.4-Dichloro-2-butene	110-57-6	0.5	mg/kg	----	----	----	----	----
cis-1.4-Dichloro-2-butene	1476-11-5	0.5	mg/kg	----	----	----	----	----
1.1.2.2-Tetrachloroethane	79-34-5	0.5	mg/kg	----	----	----	----	----
1.2.3-Trichloropropane	96-18-4	0.5	mg/kg	----	----	----	----	----
Pentachloroethane	76-01-7	0.5	mg/kg	----	----	----	----	----
1.2-Dibromo-3-chloropropane	96-12-8	0.5	mg/kg	----	----	----	----	----
Hexachlorobutadiene	87-68-3	0.5	mg/kg	----	----	----	----	----
EP074F: Halogenated Aromatic Compounds								
Chlorobenzene	108-90-7	0.5	mg/kg	----	----	----	----	----
Bromobenzene	108-86-1	0.5	mg/kg	----	----	----	----	----

Sub-Matrix: SOIL (Matrix: SOIL)				BH22_0.3-0.4	BH22_0.8-0.9	BH22_2.2-2.3	BH22_4.5-4.7	BH15_0.4-0.5
				[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]
				ES1529109-001	ES1529109-003	ES1529109-004	ES1529109-005	ES1529109-006
				Result	Result	Result	Result	Result
EP074F: Halogenated Aromatic Compounds - Continued								
2-Chlorotoluene	95-49-8	0.5	mg/kg	----	----	----	----	----
4-Chlorotoluene	106-43-4	0.5	mg/kg	----	----	----	----	----
1.3-Dichlorobenzene	541-73-1	0.5	mg/kg	----	----	----	----	----
1.4-Dichlorobenzene	106-46-7	0.5	mg/kg	----	----	----	----	----
1.2-Dichlorobenzene	95-50-1	0.5	mg/kg	----	----	----	----	----
1.2.4-Trichlorobenzene	120-82-1	0.5	mg/kg	----	----	----	----	----
1.2.3-Trichlorobenzene	87-61-6	0.5	mg/kg	----	----	----	----	----
EP074G: Trihalomethanes								
Chloroform	67-66-3	0.5	mg/kg	----	----	----	----	----
Bromodichloromethane	75-27-4	0.5	mg/kg	----	----	----	----	----
Dibromochloromethane	124-48-1	0.5	mg/kg	----	----	----	----	----
Bromoform	75-25-2	0.5	mg/kg	----	----	----	----	----
EP075(SIM)A: Phenolic Compounds								
Phenol	108-95-2	0.5	mg/kg	----	----	----	----	----
2-Chlorophenol	95-57-8	0.5	mg/kg	----	----	----	----	----
2-Methylphenol	95-48-7	0.5	mg/kg	----	----	----	----	----
3- & 4-Methylphenol	1319-77-3	1	mg/kg	----	----	----	----	----
2-Nitrophenol	88-75-5	0.5	mg/kg	----	----	----	----	----
2.4-Dimethylphenol	105-67-9	0.5	mg/kg	----	----	----	----	----
2.4-Dichlorophenol	120-83-2	0.5	mg/kg	----	----	----	----	----
2.6-Dichlorophenol	87-65-0	0.5	mg/kg	----	----	----	----	----
4-Chloro-3-methylphenol	59-50-7	0.5	mg/kg	----	----	----	----	----
2.4.6-Trichlorophenol	88-06-2	0.5	mg/kg	----	----	----	----	----
2.4.5-Trichlorophenol	95-95-4	0.5	mg/kg	----	----	----	----	----
Pentachlorophenol	87-86-5	2	mg/kg	----	----	----	----	----
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons								
Naphthalene	91-20-3	0.5	mg/kg	----	**4.6**	<0.5	<0.5	<0.5
Acenaphthylene	208-96-8	0.5	mg/kg	----	**10.9**	<0.5	<0.5	<0.5
Acenaphthene	83-32-9	0.5	mg/kg	----	<4.0	<0.5	<0.5	<0.5
Fluorene	86-73-7	0.5	mg/kg	----	**8.5**	<0.5	<0.5	<0.5
Phenanthrene	85-01-8	0.5	mg/kg	----	**103**	<0.5	<0.5	<0.5
Anthracene	120-12-7	0.5	mg/kg	----	**29.4**	<0.5	<0.5	<0.5
Fluoranthene	206-44-0	0.5	mg/kg	----	**160**	<0.5	<0.5	<0.5
Pyrene	129-00-0	0.5	mg/kg	----	**144**	<0.5	<0.5	<0.5

Sub-Matrix: SOIL (Matrix: SOIL)				BH22_0.3-0.4	BH22_0.8-0.9	BH22_2.2-2.3	BH22_4.5-4.7	BH15_0.4-0.5
				[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]
				ES1529109-001	ES1529109-003	ES1529109-004	ES1529109-005	ES1529109-006
				Result	Result	Result	Result	Result
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - Continued								
Benz(a)anthracene	56-55-3	0.5	mg/kg	----	**56.5**	<0.5	<0.5	<0.5
Chrysene	218-01-9	0.5	mg/kg	----	**49.5**	<0.5	<0.5	<0.5
Benzo(b+j)fluoranthene	205-99-2 205-82-3	0.5	mg/kg	----	**32.5**	<0.5	<0.5	<0.5
Benzo(k)fluoranthene	207-08-9	0.5	mg/kg	----	**15.1**	<0.5	<0.5	<0.5
Benzo(a)pyrene	50-32-8	0.5	mg/kg	----	**50.9**	<0.5	<0.5	<0.5
Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	----	**15.8**	<0.5	<0.5	<0.5
Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg	----	<4.0	<0.5	<0.5	<0.5
Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg	----	**18.0**	<0.5	<0.5	<0.5
^ Sum of polycyclic aromatic hydrocarbons	----	0.5	mg/kg	----	**699**	<0.5	<0.5	<0.5
^ Benzo(a)pyrene TEQ (zero)	----	0.5	mg/kg	----	**63.6**	<0.5	<0.5	<0.5
^ Benzo(a)pyrene TEQ (half LOR)	----	0.5	mg/kg	----	**63.8**	**0.6**	**0.6**	**0.6**
^ Benzo(a)pyrene TEQ (LOR)	----	0.5	mg/kg	----	**64.1**	**1.2**	**1.2**	**1.2**
EP080/071: Total Petroleum Hydrocarbons								
C6 - C9 Fraction	----	10	mg/kg	----	----	<10	<10	----
C10 - C14 Fraction	----	50	mg/kg	----	----	<50	<50	----
C15 - C28 Fraction	----	100	mg/kg	----	----	<100	<100	----
C29 - C36 Fraction	----	100	mg/kg	----	----	<100	<100	----
^ C10 - C36 Fraction (sum)	----	50	mg/kg	----	----	<50	<50	----
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions								
C6 - C10 Fraction	C6_C10	10	mg/kg	----	----	<10	<10	----
^ C6 - C10 Fraction minus BTEX (F1)	C6_C10-BTEX	10	mg/kg	----	----	<10	<10	----
>C10 - C16 Fraction	>C10_C16	50	mg/kg	----	----	<50	<50	----
>C16 - C34 Fraction	----	100	mg/kg	----	----	<100	<100	----
>C34 - C40 Fraction	----	100	mg/kg	----	----	<100	<100	----
^ >C10 - C40 Fraction (sum)	----	50	mg/kg	----	----	<50	<50	----
^ >C10 - C16 Fraction minus Naphthalene (F2)	----	50	mg/kg	----	----	<50	<50	----
EP080: BTEXN								
Benzene	71-43-2	0.2	mg/kg	----	----	<0.2	<0.2	----
Toluene	108-88-3	0.5	mg/kg	----	----	<0.5	<0.5	----
Ethylbenzene	100-41-4	0.5	mg/kg	----	----	<0.5	<0.5	----
meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg	----	----	<0.5	<0.5	----
ortho-Xylene	95-47-6	0.5	mg/kg	----	----	<0.5	<0.5	----
^ Sum of BTEX	----	0.2	mg/kg	----	----	<0.2	<0.2	----

Sub-Matrix: SOIL (Matrix: SOIL)				BH22_0.3-0.4	BH22_0.8-0.9	BH22_2.2-2.3	BH22_4.5-4.7	BH15_0.4-0.5
				[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]
				ES1529109-001	ES1529109-003	ES1529109-004	ES1529109-005	ES1529109-006
				Result	Result	Result	Result	Result
EP080: BTEXN - Continued								
^ Total Xylenes	1330-20-7	0.5	mg/kg	----	----	<0.5	<0.5	----
Naphthalene	91-20-3	1	mg/kg	----	----	<1	<1	----
EP066S: PCB Surrogate								
Decachlorobiphenyl	2051-24-3	0.1	%	----	----	----	----	----
EP068S: Organochlorine Pesticide Surrogate								
Dibromo-DDE	21655-73-2	0.05	%	----	----	----	----	----
EP068T: Organophosphorus Pesticide Surrogate								
DEF	78-48-8	0.05	%	----	----	----	----	----
EP074S: VOC Surrogates								
1.2-Dichloroethane-D4	17060-07-0	0.5	%	----	----	----	----	----
Toluene-D8	2037-26-5	0.5	%	----	----	----	----	----
4-Bromofluorobenzene	460-00-4	0.5	%	----	----	----	----	----
EP075(SIM)S: Phenolic Compound Surrogates								
Phenol-d6	13127-88-3	0.5	%	----	96.9	99.8	98.4	94.5
2-Chlorophenol-D4	93951-73-6	0.5	%	----	87.4	100	102	83.5
2.4.6-Tribromophenol	118-79-6	0.5	%	----	77.7	74.3	89.0	77.3
EP075(SIM)T: PAH Surrogates								
2-Fluorobiphenyl	321-60-8	0.5	%	----	92.7	94.2	103	95.4
Anthracene-d10	1719-06-8	0.5	%	----	77.9	112	115	102
4-Terphenyl-d14	1718-51-0	0.5	%	----	115	94.9	110	102
EP080S: TPH(V)/BTEX Surrogates								
1.2-Dichloroethane-D4	17060-07-0	0.2	%	----	----	91.0	82.5	----
Toluene-D8	2037-26-5	0.2	%	----	----	95.4	85.1	----
4-Bromofluorobenzene	460-00-4	0.2	%	----	----	90.5	79.2	----

Sub-Matrix: SOIL (Matrix: SOIL)				BH14_0.45-0.55	BH14_1.8-1.9	BH14_4.0-4.1	BH09_4.0-4.2	BH09_4.5-4.6
				[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]
				ES1529109-007	ES1529109-008	ES1529109-009	ES1529109-010	ES1529109-011
				Result	Result	Result	Result	Result
EA055: Moisture Content								
^ Moisture Content (dried @ 103°C)	----	1	%	16.8	20.2	39.2	52.3	52.2
EA200: AS 4964 - 2004 Identification of Asbestos in Soils								
Asbestos Detected	1332-21-4	0.1	g/kg	----	----	----	----	----
Asbestos Type	1332-21-4	-	--	----	----	----	----	----
Sample weight (dry)	----	0.01	g	----	----	----	----	----
APPROVED IDENTIFIER:	----	-	--	----	----	----	----	----
EG005T: Total Metals by ICP-AES								
Arsenic	7440-38-2	5	mg/kg	----	30	----	218	19
Cadmium	7440-43-9	1	mg/kg	----	3	----	25	<1
Chromium	7440-47-3	2	mg/kg	----	29	----	435	31
Copper	7440-50-8	5	mg/kg	----	298	----	4340	10
Lead	7439-92-1	5	mg/kg	----	478	----	3710	13
Nickel	7440-02-0	2	mg/kg	----	23	----	240	10
Zinc	7440-66-6	5	mg/kg	----	2060	----	14200	21
EG035T: Total Recoverable Mercury by FIMS								
Mercury	7439-97-6	0.1	mg/kg	----	<0.1	----	2.7	<0.1
EP066: Polychlorinated Biphenyls (PCB)								
Total Polychlorinated biphenyls	----	0.1	mg/kg	<0.1	<0.1	----	----	----
EP068A: Organochlorine Pesticides (OC)								
alpha-BHC	319-84-6	0.05	mg/kg	<0.05	<0.05	----	----	----
Hexachlorobenzene (HCB)	118-74-1	0.05	mg/kg	<0.05	<0.05	----	----	----
beta-BHC	319-85-7	0.05	mg/kg	<0.05	<0.05	----	----	----
gamma-BHC	58-89-9	0.05	mg/kg	<0.05	<0.05	----	----	----
delta-BHC	319-86-8	0.05	mg/kg	<0.05	<0.05	----	----	----
Heptachlor	76-44-8	0.05	mg/kg	<0.05	<0.05	----	----	----
Aldrin	309-00-2	0.05	mg/kg	<0.05	<0.05	----	----	----
Heptachlor epoxide	1024-57-3	0.05	mg/kg	<0.05	<0.05	----	----	----
^ Total Chlordane (sum)	----	0.05	mg/kg	<0.05	<0.05	----	----	----
trans-Chlordane	5103-74-2	0.05	mg/kg	<0.05	<0.05	----	----	----
alpha-Endosulfan	959-98-8	0.05	mg/kg	<0.05	<0.05	----	----	----
cis-Chlordane	5103-71-9	0.05	mg/kg	<0.05	<0.05	----	----	----
Dieldrin	60-57-1	0.05	mg/kg	<0.05	<0.05	----	----	----
4.4`-DDE	72-55-9	0.05	mg/kg	<0.05	<0.05	----	----	----
Endrin	72-20-8	0.05	mg/kg	<0.05	<0.05	----	----	----

Sub-Matrix: SOIL (Matrix: SOIL)				BH14_0.45-0.55	BH14_1.8-1.9	BH14_4.0-4.1	BH09_4.0-4.2	BH09_4.5-4.6
				[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]
				ES1529109-007	ES1529109-008	ES1529109-009	ES1529109-010	ES1529109-011
				Result	Result	Result	Result	Result
EP068A: Organochlorine Pesticides (OC) - Continued								
beta-Endosulfan	33213-65-9	0.05	mg/kg	<0.05	<0.05	----	----	----
^ Endosulfan (sum)	115-29-7	0.05	mg/kg	<0.05	<0.05	----	----	----
4.4`-DDD	72-54-8	0.05	mg/kg	<0.05	<0.05	----	----	----
Endrin aldehyde	7421-93-4	0.05	mg/kg	<0.05	<0.05	----	----	----
Endosulfan sulfate	1031-07-8	0.05	mg/kg	<0.05	<0.05	----	----	----
4.4`-DDT	50-29-3	0.2	mg/kg	<0.2	<0.2	----	----	----
Endrin ketone	53494-70-5	0.05	mg/kg	<0.05	<0.05	----	----	----
Methoxychlor	72-43-5	0.2	mg/kg	<0.2	<0.2	----	----	----
^ Sum of Aldrin + Dieldrin	309-00-2/60-57-1	0.05	mg/kg	<0.05	<0.05	----	----	----
^ Sum of DDD + DDE + DDT	----	0.05	mg/kg	<0.05	<0.05	----	----	----
EP068B: Organophosphorus Pesticides (OP)								
Dichlorvos	62-73-7	0.05	mg/kg	<0.05	<0.05	----	----	----
Demeton-S-methyl	919-86-8	0.05	mg/kg	<0.05	<0.05	----	----	----
Monocrotophos	6923-22-4	0.2	mg/kg	<0.2	<0.2	----	----	----
Dimethoate	60-51-5	0.05	mg/kg	<0.05	<0.05	----	----	----
Diazinon	333-41-5	0.05	mg/kg	<0.05	<0.05	----	----	----
Chlorpyrifos-methyl	5598-13-0	0.05	mg/kg	<0.05	<0.05	----	----	----
Parathion-methyl	298-00-0	0.2	mg/kg	<0.2	<0.2	----	----	----
Malathion	121-75-5	0.05	mg/kg	<0.05	<0.05	----	----	----
Fenthion	55-38-9	0.05	mg/kg	<0.05	<0.05	----	----	----
Chlorpyrifos	2921-88-2	0.05	mg/kg	<0.05	<0.05	----	----	----
Parathion	56-38-2	0.2	mg/kg	<0.2	<0.2	----	----	----
Pirimphos-ethyl	23505-41-1	0.05	mg/kg	<0.05	<0.05	----	----	----
Chlorfenvinphos	470-90-6	0.05	mg/kg	<0.05	<0.05	----	----	----
Bromophos-ethyl	4824-78-6	0.05	mg/kg	<0.05	<0.05	----	----	----
Fenamiphos	22224-92-6	0.05	mg/kg	<0.05	<0.05	----	----	----
Prothiofos	34643-46-4	0.05	mg/kg	<0.05	<0.05	----	----	----
Ethion	563-12-2	0.05	mg/kg	<0.05	<0.05	----	----	----
Carbophenothion	786-19-6	0.05	mg/kg	<0.05	<0.05	----	----	----
Azinphos Methyl	86-50-0	0.05	mg/kg	<0.05	<0.05	----	----	----
EP074D: Fumigants								
2.2-Dichloropropane	594-20-7	0.5	mg/kg	----	----	<0.5	----	<0.5
1.2-Dichloropropane	78-87-5	0.5	mg/kg	----	----	<0.5	----	<0.5
cis-1.3-Dichloropropylene	10061-01-5	0.5	mg/kg	----	----	<0.5	----	<0.5

Sub-Matrix: SOIL (Matrix: SOIL)				BH14_0.45-0.55	BH14_1.8-1.9	BH14_4.0-4.1	BH09_4.0-4.2	BH09_4.5-4.6
				[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]
				ES1529109-007	ES1529109-008	ES1529109-009	ES1529109-010	ES1529109-011
				Result	Result	Result	Result	Result
EP074D: Fumigants - Continued								
trans-1.3-Dichloropropylene	10061-02-6	0.5	mg/kg	----	----	<0.5	----	<0.5
1.2-Dibromoethane (EDB)	106-93-4	0.5	mg/kg	----	----	<0.5	----	<0.5
EP074E: Halogenated Aliphatic Compounds								
Dichlorodifluoromethane	75-71-8	5	mg/kg	----	----	<5	----	<5
Chloromethane	74-87-3	5	mg/kg	----	----	<5	----	<5
Vinyl chloride	75-01-4	5	mg/kg	----	----	<5	----	<5
Bromomethane	74-83-9	5	mg/kg	----	----	<5	----	<5
Chloroethane	75-00-3	5	mg/kg	----	----	<5	----	<5
Trichlorofluoromethane	75-69-4	5	mg/kg	----	----	<5	----	<5
1.1-Dichloroethene	75-35-4	0.5	mg/kg	----	----	<0.5	----	<0.5
Iodomethane	74-88-4	0.5	mg/kg	----	----	<0.5	----	<0.5
trans-1.2-Dichloroethene	156-60-5	0.5	mg/kg	----	----	<0.5	----	<0.5
1.1-Dichloroethane	75-34-3	0.5	mg/kg	----	----	<0.5	----	<0.5
cis-1.2-Dichloroethene	156-59-2	0.5	mg/kg	----	----	<0.5	----	<0.5
1.1.1-Trichloroethane	71-55-6	0.5	mg/kg	----	----	<0.5	----	<0.5
1.1-Dichloropropylene	563-58-6	0.5	mg/kg	----	----	<0.5	----	<0.5
Carbon Tetrachloride	56-23-5	0.5	mg/kg	----	----	<0.5	----	<0.5
1.2-Dichloroethane	107-06-2	0.5	mg/kg	----	----	<0.5	----	<0.5
Trichloroethene	79-01-6	0.5	mg/kg	----	----	<0.5	----	<0.5
Dibromomethane	74-95-3	0.5	mg/kg	----	----	<0.5	----	<0.5
1.1.2-Trichloroethane	79-00-5	0.5	mg/kg	----	----	<0.5	----	<0.5
1.3-Dichloropropane	142-28-9	0.5	mg/kg	----	----	<0.5	----	<0.5
Tetrachloroethene	127-18-4	0.5	mg/kg	----	----	<0.5	----	<0.5
1.1.1.2-Tetrachloroethane	630-20-6	0.5	mg/kg	----	----	<0.5	----	<0.5
trans-1.4-Dichloro-2-butene	110-57-6	0.5	mg/kg	----	----	<0.5	----	<0.5
cis-1.4-Dichloro-2-butene	1476-11-5	0.5	mg/kg	----	----	<0.5	----	<0.5
1.1.2.2-Tetrachloroethane	79-34-5	0.5	mg/kg	----	----	<0.5	----	<0.5
1.2.3-Trichloropropane	96-18-4	0.5	mg/kg	----	----	<0.5	----	<0.5
Pentachloroethane	76-01-7	0.5	mg/kg	----	----	<0.5	----	<0.5
1.2-Dibromo-3-chloropropane	96-12-8	0.5	mg/kg	----	----	<0.5	----	<0.5
Hexachlorobutadiene	87-68-3	0.5	mg/kg	----	----	<0.5	----	<0.5
EP074F: Halogenated Aromatic Compounds								
Chlorobenzene	108-90-7	0.5	mg/kg	----	----	<0.5	----	<0.5
Bromobenzene	108-86-1	0.5	mg/kg	----	----	<0.5	----	<0.5

Sub-Matrix: SOIL (Matrix: SOIL)				BH14_0.45-0.55	BH14_1.8-1.9	BH14_4.0-4.1	BH09_4.0-4.2	BH09_4.5-4.6
				[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]
				ES1529109-007	ES1529109-008	ES1529109-009	ES1529109-010	ES1529109-011
				Result	Result	Result	Result	Result
EP074F: Halogenated Aromatic Compounds - Continued								
2-Chlorotoluene	95-49-8	0.5	mg/kg	----	----	<0.5	----	<0.5
4-Chlorotoluene	106-43-4	0.5	mg/kg	----	----	<0.5	----	<0.5
1.3-Dichlorobenzene	541-73-1	0.5	mg/kg	----	----	<0.5	----	<0.5
1.4-Dichlorobenzene	106-46-7	0.5	mg/kg	----	----	<0.5	----	<0.5
1.2-Dichlorobenzene	95-50-1	0.5	mg/kg	----	----	<0.5	----	<0.5
1.2.4-Trichlorobenzene	120-82-1	0.5	mg/kg	----	----	<0.5	----	<0.5
1.2.3-Trichlorobenzene	87-61-6	0.5	mg/kg	----	----	<0.5	----	<0.5
EP074G: Trihalomethanes								
Chloroform	67-66-3	0.5	mg/kg	----	----	<0.5	----	<0.5
Bromodichloromethane	75-27-4	0.5	mg/kg	----	----	<0.5	----	<0.5
Dibromochloromethane	124-48-1	0.5	mg/kg	----	----	<0.5	----	<0.5
Bromoform	75-25-2	0.5	mg/kg	----	----	<0.5	----	<0.5
EP075(SIM)A: Phenolic Compounds								
Phenol	108-95-2	0.5	mg/kg	----	----	<0.5	----	<0.8
2-Chlorophenol	95-57-8	0.5	mg/kg	----	----	<0.5	----	<0.8
2-Methylphenol	95-48-7	0.5	mg/kg	----	----	<0.5	----	<0.8
3- & 4-Methylphenol	1319-77-3	1	mg/kg	----	----	<1	----	<2
2-Nitrophenol	88-75-5	0.5	mg/kg	----	----	<0.5	----	<0.8
2.4-Dimethylphenol	105-67-9	0.5	mg/kg	----	----	<0.5	----	<0.8
2.4-Dichlorophenol	120-83-2	0.5	mg/kg	----	----	<0.5	----	<0.8
2.6-Dichlorophenol	87-65-0	0.5	mg/kg	----	----	<0.5	----	<0.8
4-Chloro-3-methylphenol	59-50-7	0.5	mg/kg	----	----	<0.5	----	<0.8
2.4.6-Trichlorophenol	88-06-2	0.5	mg/kg	----	----	<0.5	----	<0.8
2.4.5-Trichlorophenol	95-95-4	0.5	mg/kg	----	----	<0.5	----	<0.8
Pentachlorophenol	87-86-5	2	mg/kg	----	----	<2	----	<2
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons								
Naphthalene	91-20-3	0.5	mg/kg	----	<0.5	----	<0.8	<0.8
Acenaphthylene	208-96-8	0.5	mg/kg	----	<0.5	----	<0.8	<0.8
Acenaphthene	83-32-9	0.5	mg/kg	----	<0.5	----	<0.8	<0.8
Fluorene	86-73-7	0.5	mg/kg	----	<0.5	----	<0.8	<0.8
Phenanthrene	85-01-8	0.5	mg/kg	----	<0.5	----	<0.8	<0.8
Anthracene	120-12-7	0.5	mg/kg	----	<0.5	----	<0.8	<0.8
Fluoranthene	206-44-0	0.5	mg/kg	----	<0.5	----	<0.8	<0.8
Pyrene	129-00-0	0.5	mg/kg	----	<0.5	----	<0.8	<0.8

Sub-Matrix: SOIL (Matrix: SOIL)				BH14_0.45-0.55	BH14_1.8-1.9	BH14_4.0-4.1	BH09_4.0-4.2	BH09_4.5-4.6
				[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]
				ES1529109-007	ES1529109-008	ES1529109-009	ES1529109-010	ES1529109-011
				Result	Result	Result	Result	Result
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - Continued								
Benz(a)anthracene	56-55-3	0.5	mg/kg	----	<0.5	----	<0.8	<0.8
Chrysene	218-01-9	0.5	mg/kg	----	<0.5	----	<0.8	<0.8
Benzo(b+j)fluoranthene	205-99-2 205-82-3	0.5	mg/kg	----	<0.5	----	<0.8	<0.8
Benzo(k)fluoranthene	207-08-9	0.5	mg/kg	----	<0.5	----	<0.8	<0.8
Benzo(a)pyrene	50-32-8	0.5	mg/kg	----	<0.5	----	<0.8	<0.8
Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	----	<0.5	----	<0.8	<0.8
Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg	----	<0.5	----	<0.8	<0.8
Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg	----	<0.5	----	<0.8	<0.8
^ Sum of polycyclic aromatic hydrocarbons	----	0.5	mg/kg	----	<0.5	----	<0.5	<0.5
^ Benzo(a)pyrene TEQ (zero)	----	0.5	mg/kg	----	<0.5	----	<0.5	<0.5
^ Benzo(a)pyrene TEQ (half LOR)	----	0.5	mg/kg	----	**0.6**	----	**0.6**	**0.6**
^ Benzo(a)pyrene TEQ (LOR)	----	0.5	mg/kg	----	**1.2**	----	**1.2**	**1.2**
EP080/071: Total Petroleum Hydrocarbons								
C6 - C9 Fraction	----	10	mg/kg	----	----	<10	----	<10
C10 - C14 Fraction	----	50	mg/kg	----	----	<50	----	<50
C15 - C28 Fraction	----	100	mg/kg	----	----	<100	----	<100
C29 - C36 Fraction	----	100	mg/kg	----	----	<100	----	<100
^ C10 - C36 Fraction (sum)	----	50	mg/kg	----	----	<50	----	<50
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions								
C6 - C10 Fraction	C6_C10	10	mg/kg	----	----	<10	----	<10
^ C6 - C10 Fraction minus BTEX (F1)	C6_C10-BTEX	10	mg/kg	----	----	<10	----	<10
>C10 - C16 Fraction	>C10_C16	50	mg/kg	----	----	<50	----	<50
>C16 - C34 Fraction	----	100	mg/kg	----	----	<100	----	<100
>C34 - C40 Fraction	----	100	mg/kg	----	----	<100	----	<100
^ >C10 - C40 Fraction (sum)	----	50	mg/kg	----	----	<50	----	<50
^ >C10 - C16 Fraction minus Naphthalene (F2)	----	50	mg/kg	----	----	<50	----	<50
EP080: BTEXN								
Benzene	71-43-2	0.2	mg/kg	----	----	<0.2	----	<0.2
Toluene	108-88-3	0.5	mg/kg	----	----	<0.5	----	<0.5
Ethylbenzene	100-41-4	0.5	mg/kg	----	----	<0.5	----	<0.5
meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg	----	----	<0.5	----	<0.5
ortho-Xylene	95-47-6	0.5	mg/kg	----	----	<0.5	----	<0.5
^ Sum of BTEX	----	0.2	mg/kg	----	----	<0.2	----	<0.2

Sub-Matrix: SOIL (Matrix: SOIL)				BH14_0.45-0.55	BH14_1.8-1.9	BH14_4.0-4.1	BH09_4.0-4.2	BH09_4.5-4.6
				[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]
				ES1529109-007	ES1529109-008	ES1529109-009	ES1529109-010	ES1529109-011
				Result	Result	Result	Result	Result
EP080: BTEXN - Continued								
^ Total Xylenes	1330-20-7	0.5	mg/kg	----	----	<0.5	----	<0.5
Naphthalene	91-20-3	1	mg/kg	----	----	<1	----	<1
EP066S: PCB Surrogate								
Decachlorobiphenyl	2051-24-3	0.1	%	79.1	76.2	----	----	----
EP068S: Organochlorine Pesticide Surrogate								
Dibromo-DDE	21655-73-2	0.05	%	80.6	98.3	----	----	----
EP068T: Organophosphorus Pesticide Surrogate								
DEF	78-48-8	0.05	%	84.6	79.0	----	----	----
EP074S: VOC Surrogates								
1.2-Dichloroethane-D4	17060-07-0	0.5	%	----	----	69.5	----	68.4
Toluene-D8	2037-26-5	0.5	%	----	----	84.3	----	82.1
4-Bromofluorobenzene	460-00-4	0.5	%	----	----	81.2	----	77.6
EP075(SIM)S: Phenolic Compound Surrogates								
Phenol-d6	13127-88-3	0.5	%	----	104	101	106	104
2-Chlorophenol-D4	93951-73-6	0.5	%	----	94.9	97.6	98.1	101
2.4.6-Tribromophenol	118-79-6	0.5	%	----	78.4	87.1	82.9	86.7
EP075(SIM)T: PAH Surrogates								
2-Fluorobiphenyl	321-60-8	0.5	%	----	99.6	93.7	101	96.5
Anthracene-d10	1719-06-8	0.5	%	----	109	105	104	105
4-Terphenyl-d14	1718-51-0	0.5	%	----	102	99.6	110	101
EP080S: TPH(V)/BTEX Surrogates								
1.2-Dichloroethane-D4	17060-07-0	0.2	%	----	----	85.9	----	80.5
Toluene-D8	2037-26-5	0.2	%	----	----	88.0	----	85.7
4-Bromofluorobenzene	460-00-4	0.2	%	----	----	88.1	----	82.3

Sub-Matrix: SOIL (Matrix: SOIL)				BH06_1.0-1.1	BH10_4.0-4.1	QC101	BH04_0.5-0.6	BH04_1.0-1.1
				[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]
				ES1529109-012	ES1529109-013	ES1529109-014	ES1529109-015	ES1529109-016
				Result	Result	Result	Result	Result
EA055: Moisture Content								
^ Moisture Content (dried @ 103°C)	----	1	%	9.9	45.9	17.1	27.4	40.5
EA200: AS 4964 - 2004 Identification of Asbestos in Soils								
Asbestos Detected	1332-21-4	0.1	g/kg	No	----	----	----	----
Asbestos Type	1332-21-4	-	--	-	----	----	----	----
Sample weight (dry)	----	0.01	g	175	----	----	----	----
APPROVED IDENTIFIER:	----	-	--	S.SPOONER	----	----	----	----
EG005T: Total Metals by ICP-AES								
Arsenic	7440-38-2	5	mg/kg	13	26	80	52	311
Cadmium	7440-43-9	1	mg/kg	<1	<1	9	2	1
Chromium	7440-47-3	2	mg/kg	8	31	106	28	105
Copper	7440-50-8	5	mg/kg	71	69	3150	218	293
Lead	7439-92-1	5	mg/kg	313	189	3480	1030	10400
Nickel	7440-02-0	2	mg/kg	6	16	214	48	24
Zinc	7440-66-6	5	mg/kg	366	417	4780	1590	1170
EG035T: Total Recoverable Mercury by FIMS								
Mercury	7439-97-6	0.1	mg/kg	0.3	<0.1	0.8	1.0	1.6
EP066: Polychlorinated Biphenyls (PCB)								
Total Polychlorinated biphenyls	----	0.1	mg/kg	<0.1	----	----	----	----
EP068A: Organochlorine Pesticides (OC)								
alpha-BHC	319-84-6	0.05	mg/kg	<0.05	----	----	----	----
Hexachlorobenzene (HCB)	118-74-1	0.05	mg/kg	<0.05	----	----	----	----
beta-BHC	319-85-7	0.05	mg/kg	<0.05	----	----	----	----
gamma-BHC	58-89-9	0.05	mg/kg	<0.05	----	----	----	----
delta-BHC	319-86-8	0.05	mg/kg	<0.05	----	----	----	----
Heptachlor	76-44-8	0.05	mg/kg	<0.05	----	----	----	----
Aldrin	309-00-2	0.05	mg/kg	<0.05	----	----	----	----
Heptachlor epoxide	1024-57-3	0.05	mg/kg	<0.05	----	----	----	----
^ Total Chlordane (sum)	----	0.05	mg/kg	<0.05	----	----	----	----
trans-Chlordane	5103-74-2	0.05	mg/kg	<0.05	----	----	----	----
alpha-Endosulfan	959-98-8	0.05	mg/kg	<0.05	----	----	----	----
cis-Chlordane	5103-71-9	0.05	mg/kg	<0.05	----	----	----	----
Dieldrin	60-57-1	0.05	mg/kg	<0.05	----	----	----	----
4.4`-DDE	72-55-9	0.05	mg/kg	<0.05	----	----	----	----
Endrin	72-20-8	0.05	mg/kg	<0.05	----	----	----	----

Sub-Matrix: SOIL (Matrix: SOIL)				BH06_1.0-1.1	BH10_4.0-4.1	QC101	BH04_0.5-0.6	BH04_1.0-1.1
				[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]
				ES1529109-012	ES1529109-013	ES1529109-014	ES1529109-015	ES1529109-016
				Result	Result	Result	Result	Result
EP068A: Organochlorine Pesticides (OC) - Continued								
beta-Endosulfan	33213-65-9	0.05	mg/kg	<0.05	----	----	----	----
^ Endosulfan (sum)	115-29-7	0.05	mg/kg	<0.05	----	----	----	----
4.4`-DDD	72-54-8	0.05	mg/kg	<0.05	----	----	----	----
Endrin aldehyde	7421-93-4	0.05	mg/kg	<0.05	----	----	----	----
Endosulfan sulfate	1031-07-8	0.05	mg/kg	<0.05	----	----	----	----
4.4`-DDT	50-29-3	0.2	mg/kg	<0.2	----	----	----	----
Endrin ketone	53494-70-5	0.05	mg/kg	<0.05	----	----	----	----
Methoxychlor	72-43-5	0.2	mg/kg	<0.2	----	----	----	----
^ Sum of Aldrin + Dieldrin	309-00-2/60-57-1	0.05	mg/kg	<0.05	----	----	----	----
^ Sum of DDD + DDE + DDT	----	0.05	mg/kg	<0.05	----	----	----	----
EP068B: Organophosphorus Pesticides (OP)								
Dichlorvos	62-73-7	0.05	mg/kg	<0.05	----	----	----	----
Demeton-S-methyl	919-86-8	0.05	mg/kg	<0.05	----	----	----	----
Monocrotophos	6923-22-4	0.2	mg/kg	<0.2	----	----	----	----
Dimethoate	60-51-5	0.05	mg/kg	<0.05	----	----	----	----
Diazinon	333-41-5	0.05	mg/kg	<0.05	----	----	----	----
Chlorpyrifos-methyl	5598-13-0	0.05	mg/kg	<0.05	----	----	----	----
Parathion-methyl	298-00-0	0.2	mg/kg	<0.2	----	----	----	----
Malathion	121-75-5	0.05	mg/kg	<0.05	----	----	----	----
Fenthion	55-38-9	0.05	mg/kg	<0.05	----	----	----	----
Chlorpyrifos	2921-88-2	0.05	mg/kg	<0.05	----	----	----	----
Parathion	56-38-2	0.2	mg/kg	<0.2	----	----	----	----
Pirimphos-ethyl	23505-41-1	0.05	mg/kg	<0.05	----	----	----	----
Chlorfenvinphos	470-90-6	0.05	mg/kg	<0.05	----	----	----	----
Bromophos-ethyl	4824-78-6	0.05	mg/kg	<0.05	----	----	----	----
Fenamiphos	22224-92-6	0.05	mg/kg	<0.05	----	----	----	----
Prothiofos	34643-46-4	0.05	mg/kg	<0.05	----	----	----	----
Ethion	563-12-2	0.05	mg/kg	<0.05	----	----	----	----
Carbophenothion	786-19-6	0.05	mg/kg	<0.05	----	----	----	----
Azinphos Methyl	86-50-0	0.05	mg/kg	<0.05	----	----	----	----
EP074D: Fumigants								
2.2-Dichloropropane	594-20-7	0.5	mg/kg	----	----	----	----	----
1.2-Dichloropropane	78-87-5	0.5	mg/kg	----	----	----	----	----
cis-1.3-Dichloropropylene	10061-01-5	0.5	mg/kg	----	----	----	----	----

Sub-Matrix: SOIL (Matrix: SOIL)				BH06_1.0-1.1	BH10_4.0-4.1	QC101	BH04_0.5-0.6	BH04_1.0-1.1
				[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]
				ES1529109-012	ES1529109-013	ES1529109-014	ES1529109-015	ES1529109-016
				Result	Result	Result	Result	Result
EP074D: Fumigants - Continued								
trans-1.3-Dichloropropylene	10061-02-6	0.5	mg/kg	----	----	----	----	----
1.2-Dibromoethane (EDB)	106-93-4	0.5	mg/kg	----	----	----	----	----
EP074E: Halogenated Aliphatic Compounds								
Dichlorodifluoromethane	75-71-8	5	mg/kg	----	----	----	----	----
Chloromethane	74-87-3	5	mg/kg	----	----	----	----	----
Vinyl chloride	75-01-4	5	mg/kg	----	----	----	----	----
Bromomethane	74-83-9	5	mg/kg	----	----	----	----	----
Chloroethane	75-00-3	5	mg/kg	----	----	----	----	----
Trichlorofluoromethane	75-69-4	5	mg/kg	----	----	----	----	----
1.1-Dichloroethene	75-35-4	0.5	mg/kg	----	----	----	----	----
Iodomethane	74-88-4	0.5	mg/kg	----	----	----	----	----
trans-1.2-Dichloroethene	156-60-5	0.5	mg/kg	----	----	----	----	----
1.1-Dichloroethane	75-34-3	0.5	mg/kg	----	----	----	----	----
cis-1.2-Dichloroethene	156-59-2	0.5	mg/kg	----	----	----	----	----
1.1.1-Trichloroethane	71-55-6	0.5	mg/kg	----	----	----	----	----
1.1-Dichloropropylene	563-58-6	0.5	mg/kg	----	----	----	----	----
Carbon Tetrachloride	56-23-5	0.5	mg/kg	----	----	----	----	----
1.2-Dichloroethane	107-06-2	0.5	mg/kg	----	----	----	----	----
Trichloroethene	79-01-6	0.5	mg/kg	----	----	----	----	----
Dibromomethane	74-95-3	0.5	mg/kg	----	----	----	----	----
1.1.2-Trichloroethane	79-00-5	0.5	mg/kg	----	----	----	----	----
1.3-Dichloropropane	142-28-9	0.5	mg/kg	----	----	----	----	----
Tetrachloroethene	127-18-4	0.5	mg/kg	----	----	----	----	----
1.1.1.2-Tetrachloroethane	630-20-6	0.5	mg/kg	----	----	----	----	----
trans-1.4-Dichloro-2-butene	110-57-6	0.5	mg/kg	----	----	----	----	----
cis-1.4-Dichloro-2-butene	1476-11-5	0.5	mg/kg	----	----	----	----	----
1.1.2.2-Tetrachloroethane	79-34-5	0.5	mg/kg	----	----	----	----	----
1.2.3-Trichloropropane	96-18-4	0.5	mg/kg	----	----	----	----	----
Pentachloroethane	76-01-7	0.5	mg/kg	----	----	----	----	----
1.2-Dibromo-3-chloropropane	96-12-8	0.5	mg/kg	----	----	----	----	----
Hexachlorobutadiene	87-68-3	0.5	mg/kg	----	----	----	----	----
EP074F: Halogenated Aromatic Compounds								
Chlorobenzene	108-90-7	0.5	mg/kg	----	----	----	----	----
Bromobenzene	108-86-1	0.5	mg/kg	----	----	----	----	----

Sub-Matrix: SOIL (Matrix: SOIL)				BH06_1.0-1.1	BH10_4.0-4.1	QC101	BH04_0.5-0.6	BH04_1.0-1.1
				[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]
				ES1529109-012	ES1529109-013	ES1529109-014	ES1529109-015	ES1529109-016
				Result	Result	Result	Result	Result
EP074F: Halogenated Aromatic Compounds - Continued								
2-Chlorotoluene	95-49-8	0.5	mg/kg	----	----	----	----	----
4-Chlorotoluene	106-43-4	0.5	mg/kg	----	----	----	----	----
1.3-Dichlorobenzene	541-73-1	0.5	mg/kg	----	----	----	----	----
1.4-Dichlorobenzene	106-46-7	0.5	mg/kg	----	----	----	----	----
1.2-Dichlorobenzene	95-50-1	0.5	mg/kg	----	----	----	----	----
1.2.4-Trichlorobenzene	120-82-1	0.5	mg/kg	----	----	----	----	----
1.2.3-Trichlorobenzene	87-61-6	0.5	mg/kg	----	----	----	----	----
EP074G: Trihalomethanes								
Chloroform	67-66-3	0.5	mg/kg	----	----	----	----	----
Bromodichloromethane	75-27-4	0.5	mg/kg	----	----	----	----	----
Dibromochloromethane	124-48-1	0.5	mg/kg	----	----	----	----	----
Bromoform	75-25-2	0.5	mg/kg	----	----	----	----	----
EP075(SIM)A: Phenolic Compounds								
Phenol	108-95-2	0.5	mg/kg	----	----	----	----	----
2-Chlorophenol	95-57-8	0.5	mg/kg	----	----	----	----	----
2-Methylphenol	95-48-7	0.5	mg/kg	----	----	----	----	----
3- & 4-Methylphenol	1319-77-3	1	mg/kg	----	----	----	----	----
2-Nitrophenol	88-75-5	0.5	mg/kg	----	----	----	----	----
2.4-Dimethylphenol	105-67-9	0.5	mg/kg	----	----	----	----	----
2.4-Dichlorophenol	120-83-2	0.5	mg/kg	----	----	----	----	----
2.6-Dichlorophenol	87-65-0	0.5	mg/kg	----	----	----	----	----
4-Chloro-3-methylphenol	59-50-7	0.5	mg/kg	----	----	----	----	----
2.4.6-Trichlorophenol	88-06-2	0.5	mg/kg	----	----	----	----	----
2.4.5-Trichlorophenol	95-95-4	0.5	mg/kg	----	----	----	----	----
Pentachlorophenol	87-86-5	2	mg/kg	----	----	----	----	----
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons								
Naphthalene	91-20-3	0.5	mg/kg	----	----	<0.5	<0.5	**0.8**
Acenaphthylene	208-96-8	0.5	mg/kg	----	----	<0.5	<0.5	**3.2**
Acenaphthene	83-32-9	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
Fluorene	86-73-7	0.5	mg/kg	----	----	<0.5	<0.5	**1.4**
Phenanthrene	85-01-8	0.5	mg/kg	----	----	<0.5	**0.9**	**17.0**
Anthracene	120-12-7	0.5	mg/kg	----	----	<0.5	<0.5	**5.4**
Fluoranthene	206-44-0	0.5	mg/kg	----	----	<0.5	**2.7**	**25.3**
Pyrene	129-00-0	0.5	mg/kg	----	----	<0.5	**2.9**	**25.2**

Sub-Matrix: SOIL (Matrix: SOIL)				BH06_1.0-1.1	BH10_4.0-4.1	QC101	BH04_0.5-0.6	BH04_1.0-1.1
				[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]
				ES1529109-012	ES1529109-013	ES1529109-014	ES1529109-015	ES1529109-016
				Result	Result	Result	Result	Result
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - Continued								
Benz(a)anthracene	56-55-3	0.5	mg/kg	----	----	<0.5	1.4	13.7
Chrysene	218-01-9	0.5	mg/kg	----	----	<0.5	1.4	11.9
Benzo(b+j)fluoranthene	205-99-2 205-82-3	0.5	mg/kg	----	----	<0.5	1.9	16.2
Benzo(k)fluoranthene	207-08-9	0.5	mg/kg	----	----	<0.5	0.8	5.9
Benzo(a)pyrene	50-32-8	0.5	mg/kg	----	----	<0.5	1.6	13.4
Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	----	----	<0.5	0.9	6.9
Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg	----	----	<0.5	<0.5	1.9
Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg	----	----	<0.5	1.2	9.4
^ Sum of polycyclic aromatic hydrocarbons	----	0.5	mg/kg	----	----	<0.5	15.7	158
^ Benzo(a)pyrene TEQ (zero)	----	0.5	mg/kg	----	----	<0.5	2.1	19.8
^ Benzo(a)pyrene TEQ (half LOR)	----	0.5	mg/kg	----	----	0.6	2.4	19.8
^ Benzo(a)pyrene TEQ (LOR)	----	0.5	mg/kg	----	----	1.2	2.6	19.8
EP080/071: Total Petroleum Hydrocarbons								
C6 - C9 Fraction	----	10	mg/kg	----	<10	----	<10	----
C10 - C14 Fraction	----	50	mg/kg	----	<50	----	<50	----
C15 - C28 Fraction	----	100	mg/kg	----	<100	----	<100	----
C29 - C36 Fraction	----	100	mg/kg	----	<100	----	<100	----
^ C10 - C36 Fraction (sum)	----	50	mg/kg	----	<50	----	<50	----
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions								
C6 - C10 Fraction	C6_C10	10	mg/kg	----	<10	----	<10	----
^ C6 - C10 Fraction minus BTEX (F1)	C6_C10-BTEX	10	mg/kg	----	<10	----	<10	----
>C10 - C16 Fraction	>C10_C16	50	mg/kg	----	<50	----	<50	----
>C16 - C34 Fraction	----	100	mg/kg	----	<100	----	100	----
>C34 - C40 Fraction	----	100	mg/kg	----	<100	----	<100	----
^ >C10 - C40 Fraction (sum)	----	50	mg/kg	----	<50	----	100	----
^ >C10 - C16 Fraction minus Naphthalene (F2)	----	50	mg/kg	----	<50	----	<50	----
EP080: BTEXN								
Benzene	71-43-2	0.2	mg/kg	----	<0.2	----	<0.2	----
Toluene	108-88-3	0.5	mg/kg	----	<0.5	----	<0.5	----
Ethylbenzene	100-41-4	0.5	mg/kg	----	<0.5	----	<0.5	----
meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg	----	<0.5	----	<0.5	----
ortho-Xylene	95-47-6	0.5	mg/kg	----	<0.5	----	<0.5	----
^ Sum of BTEX	----	0.2	mg/kg	----	<0.2	----	<0.2	----

Sub-Matrix: SOIL (Matrix: SOIL)				BH06_1.0-1.1	BH10_4.0-4.1	QC101	BH04_0.5-0.6	BH04_1.0-1.1
				[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]
				ES1529109-012	ES1529109-013	ES1529109-014	ES1529109-015	ES1529109-016
				Result	Result	Result	Result	Result
EP080: BTEXN - Continued								
^ **Total Xylenes**	1330-20-7	0.5	mg/kg	----	<0.5	----	<0.5	----
Naphthalene	91-20-3	1	mg/kg	----	<1	----	<1	----
EP066S: PCB Surrogate								
Decachlorobiphenyl	2051-24-3	0.1	%	**71.7**	----	----	----	----
EP068S: Organochlorine Pesticide Surrogate								
Dibromo-DDE	21655-73-2	0.05	%	**77.6**	----	----	----	----
EP068T: Organophosphorus Pesticide Surrogate								
DEF	78-48-8	0.05	%	**98.1**	----	----	----	----
EP074S: VOC Surrogates								
1.2-Dichloroethane-D4	17060-07-0	0.5	%	----	----	----	----	----
Toluene-D8	2037-26-5	0.5	%	----	----	----	----	----
4-Bromofluorobenzene	460-00-4	0.5	%	----	----	----	----	----
EP075(SIM)S: Phenolic Compound Surrogates								
Phenol-d6	13127-88-3	0.5	%	----	----	**102**	**89.1**	**89.6**
2-Chlorophenol-D4	93951-73-6	0.5	%	----	----	**104**	**107**	**100**
2.4.6-Tribromophenol	118-79-6	0.5	%	----	----	**78.6**	**117**	**104**
EP075(SIM)T: PAH Surrogates								
2-Fluorobiphenyl	321-60-8	0.5	%	----	----	**100**	**88.1**	**90.2**
Anthracene-d10	1719-06-8	0.5	%	----	----	**104**	**123**	**117**
4-Terphenyl-d14	1718-51-0	0.5	%	----	----	**102**	**97.2**	**92.7**
EP080S: TPH(V)/BTEX Surrogates								
1.2-Dichloroethane-D4	17060-07-0	0.2	%	----	**79.4**	----	**94.6**	----
Toluene-D8	2037-26-5	0.2	%	----	**81.8**	----	**101**	----
4-Bromofluorobenzene	460-00-4	0.2	%	----	**80.2**	----	**93.2**	----

Sub-Matrix: SOIL (Matrix: SOIL)				BH04_2.3-2.4	BH05_0.5-0.6	BH07A_0.5-0.6	BH11_0.2-0.3	BH11_2.3-2.4
				[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]
				ES1529109-017	ES1529109-018	ES1529109-019	ES1529109-020	ES1529109-021
				Result	Result	Result	Result	Result
EA055: Moisture Content								
^ Moisture Content (dried @ 103°C)	----	1	%	53.7	27.1	32.2	14.3	32.9
EA200: AS 4964 - 2004 Identification of Asbestos in Soils								
Asbestos Detected	1332-21-4	0.1	g/kg	----	----	Yes	----	----
Asbestos Type	1332-21-4	-	--	----	----	Ch	----	----
Sample weight (dry)	----	0.01	g	----	----	191	----	----
APPROVED IDENTIFIER:	----	-	--	----	----	S.SPOONER	----	----
EG005T: Total Metals by ICP-AES								
Arsenic	7440-38-2	5	mg/kg	14	13	84	26	56
Cadmium	7440-43-9	1	mg/kg	<1	3	13	2	5
Chromium	7440-47-3	2	mg/kg	26	20	121	39	125
Copper	7440-50-8	5	mg/kg	17	296	4410	482	23300
Lead	7439-92-1	5	mg/kg	67	1470	6310	3480	2590
Nickel	7440-02-0	2	mg/kg	4	26	80	96	226
Zinc	7440-66-6	5	mg/kg	46	4070	20400	1540	6980
EG035T: Total Recoverable Mercury by FIMS								
Mercury	7439-97-6	0.1	mg/kg	<0.1	0.9	0.7	0.5	0.1
EP066: Polychlorinated Biphenyls (PCB)								
Total Polychlorinated biphenyls	----	0.1	mg/kg	----	<0.1	<0.1	----	----
EP068A: Organochlorine Pesticides (OC)								
alpha-BHC	319-84-6	0.05	mg/kg	----	<0.05	<0.25	----	----
Hexachlorobenzene (HCB)	118-74-1	0.05	mg/kg	----	<0.05	<0.25	----	----
beta-BHC	319-85-7	0.05	mg/kg	----	<0.05	<0.25	----	----
gamma-BHC	58-89-9	0.05	mg/kg	----	<0.05	<0.25	----	----
delta-BHC	319-86-8	0.05	mg/kg	----	<0.05	<0.25	----	----
Heptachlor	76-44-8	0.05	mg/kg	----	<0.05	<0.25	----	----
Aldrin	309-00-2	0.05	mg/kg	----	<0.05	<0.25	----	----
Heptachlor epoxide	1024-57-3	0.05	mg/kg	----	<0.05	<0.25	----	----
^ Total Chlordane (sum)	----	0.05	mg/kg	----	<0.05	<0.25	----	----
trans-Chlordane	5103-74-2	0.05	mg/kg	----	<0.05	<0.25	----	----
alpha-Endosulfan	959-98-8	0.05	mg/kg	----	<0.05	<0.25	----	----
cis-Chlordane	5103-71-9	0.05	mg/kg	----	<0.05	<0.25	----	----
Dieldrin	60-57-1	0.05	mg/kg	----	<0.05	<0.25	----	----
4.4`-DDE	72-55-9	0.05	mg/kg	----	<0.05	<0.25	----	----
Endrin	72-20-8	0.05	mg/kg	----	<0.05	<0.25	----	----

Sub-Matrix: SOIL (Matrix: SOIL)				BH04_2.3-2.4	BH05_0.5-0.6	BH07A_0.5-0.6	BH11_0.2-0.3	BH11_2.3-2.4
				[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]
				ES1529109-017	ES1529109-018	ES1529109-019	ES1529109-020	ES1529109-021
				Result	Result	Result	Result	Result
EP068A: Organochlorine Pesticides (OC) - Continued								
beta-Endosulfan	33213-65-9	0.05	mg/kg	----	<0.05	<0.25	----	----
^ Endosulfan (sum)	115-29-7	0.05	mg/kg	----	<0.05	<0.25	----	----
4.4`-DDD	72-54-8	0.05	mg/kg	----	<0.05	<0.25	----	----
Endrin aldehyde	7421-93-4	0.05	mg/kg	----	<0.05	<0.25	----	----
Endosulfan sulfate	1031-07-8	0.05	mg/kg	----	<0.05	<0.25	----	----
4.4`-DDT	50-29-3	0.2	mg/kg	----	<0.2	<1.0	----	----
Endrin ketone	53494-70-5	0.05	mg/kg	----	<0.05	<0.25	----	----
Methoxychlor	72-43-5	0.2	mg/kg	----	<0.2	<1.0	----	----
^ Sum of Aldrin + Dieldrin	309-00-2/60-57-1	0.05	mg/kg	----	<0.05	<0.25	----	----
^ Sum of DDD + DDE + DDT	----	0.05	mg/kg	----	<0.05	<0.25	----	----
EP068B: Organophosphorus Pesticides (OP)								
Dichlorvos	62-73-7	0.05	mg/kg	----	<0.05	<0.25	----	----
Demeton-S-methyl	919-86-8	0.05	mg/kg	----	<0.05	<0.25	----	----
Monocrotophos	6923-22-4	0.2	mg/kg	----	<0.2	<1.0	----	----
Dimethoate	60-51-5	0.05	mg/kg	----	<0.05	<0.25	----	----
Diazinon	333-41-5	0.05	mg/kg	----	<0.05	<0.25	----	----
Chlorpyrifos-methyl	5598-13-0	0.05	mg/kg	----	<0.05	<0.25	----	----
Parathion-methyl	298-00-0	0.2	mg/kg	----	<0.2	<1.0	----	----
Malathion	121-75-5	0.05	mg/kg	----	<0.05	<0.25	----	----
Fenthion	55-38-9	0.05	mg/kg	----	<0.05	<0.25	----	----
Chlorpyrifos	2921-88-2	0.05	mg/kg	----	<0.05	<0.25	----	----
Parathion	56-38-2	0.2	mg/kg	----	<0.2	<1.0	----	----
Pirimphos-ethyl	23505-41-1	0.05	mg/kg	----	<0.05	<0.25	----	----
Chlorfenvinphos	470-90-6	0.05	mg/kg	----	<0.05	<0.25	----	----
Bromophos-ethyl	4824-78-6	0.05	mg/kg	----	<0.05	<0.25	----	----
Fenamiphos	22224-92-6	0.05	mg/kg	----	<0.05	<0.25	----	----
Prothiofos	34643-46-4	0.05	mg/kg	----	<0.05	<0.25	----	----
Ethion	563-12-2	0.05	mg/kg	----	<0.05	<0.25	----	----
Carbophenothion	786-19-6	0.05	mg/kg	----	<0.05	<0.25	----	----
Azinphos Methyl	86-50-0	0.05	mg/kg	----	<0.05	<0.25	----	----
EP074D: Fumigants								
2.2-Dichloropropane	594-20-7	0.5	mg/kg	----	<0.5	----	----	----
1.2-Dichloropropane	78-87-5	0.5	mg/kg	----	<0.5	----	----	----
cis-1.3-Dichloropropylene	10061-01-5	0.5	mg/kg	----	<0.5	----	----	----

Sub-Matrix: SOIL (Matrix: SOIL)				BH04_2.3-2.4	BH05_0.5-0.6	BH07A_0.5-0.6	BH11_0.2-0.3	BH11_2.3-2.4
				[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]
				ES1529109-017	ES1529109-018	ES1529109-019	ES1529109-020	ES1529109-021
				Result	Result	Result	Result	Result
EP074D: Fumigants - Continued								
trans-1.3-Dichloropropylene	10061-02-6	0.5	mg/kg	----	<0.5	----	----	----
1.2-Dibromoethane (EDB)	106-93-4	0.5	mg/kg	----	<0.5	----	----	----
EP074E: Halogenated Aliphatic Compounds								
Dichlorodifluoromethane	75-71-8	5	mg/kg	----	<5	----	----	----
Chloromethane	74-87-3	5	mg/kg	----	<5	----	----	----
Vinyl chloride	75-01-4	5	mg/kg	----	<5	----	----	----
Bromomethane	74-83-9	5	mg/kg	----	<5	----	----	----
Chloroethane	75-00-3	5	mg/kg	----	<5	----	----	----
Trichlorofluoromethane	75-69-4	5	mg/kg	----	<5	----	----	----
1.1-Dichloroethene	75-35-4	0.5	mg/kg	----	<0.5	----	----	----
Iodomethane	74-88-4	0.5	mg/kg	----	<0.5	----	----	----
trans-1.2-Dichloroethene	156-60-5	0.5	mg/kg	----	<0.5	----	----	----
1.1-Dichloroethane	75-34-3	0.5	mg/kg	----	<0.5	----	----	----
cis-1.2-Dichloroethene	156-59-2	0.5	mg/kg	----	<0.5	----	----	----
1.1.1-Trichloroethane	71-55-6	0.5	mg/kg	----	<0.5	----	----	----
1.1-Dichloropropylene	563-58-6	0.5	mg/kg	----	<0.5	----	----	----
Carbon Tetrachloride	56-23-5	0.5	mg/kg	----	<0.5	----	----	----
1.2-Dichloroethane	107-06-2	0.5	mg/kg	----	<0.5	----	----	----
Trichloroethene	79-01-6	0.5	mg/kg	----	<0.5	----	----	----
Dibromomethane	74-95-3	0.5	mg/kg	----	<0.5	----	----	----
1.1.2-Trichloroethane	79-00-5	0.5	mg/kg	----	<0.5	----	----	----
1.3-Dichloropropane	142-28-9	0.5	mg/kg	----	<0.5	----	----	----
Tetrachloroethene	127-18-4	0.5	mg/kg	----	<0.5	----	----	----
1.1.1.2-Tetrachloroethane	630-20-6	0.5	mg/kg	----	<0.5	----	----	----
trans-1.4-Dichloro-2-butene	110-57-6	0.5	mg/kg	----	<0.5	----	----	----
cis-1.4-Dichloro-2-butene	1476-11-5	0.5	mg/kg	----	<0.5	----	----	----
1.1.2.2-Tetrachloroethane	79-34-5	0.5	mg/kg	----	<0.5	----	----	----
1.2.3-Trichloropropane	96-18-4	0.5	mg/kg	----	<0.5	----	----	----
Pentachloroethane	76-01-7	0.5	mg/kg	----	<0.5	----	----	----
1.2-Dibromo-3-chloropropane	96-12-8	0.5	mg/kg	----	<0.5	----	----	----
Hexachlorobutadiene	87-68-3	0.5	mg/kg	----	<0.5	----	----	----
EP074F: Halogenated Aromatic Compounds								
Chlorobenzene	108-90-7	0.5	mg/kg	----	<0.5	----	----	----
Bromobenzene	108-86-1	0.5	mg/kg	----	<0.5	----	----	----

Sub-Matrix: SOIL (Matrix: SOIL)				BH04_2.3-2.4	BH05_0.5-0.6	BH07A_0.5-0.6	BH11_0.2-0.3	BH11_2.3-2.4
				[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]
				ES1529109-017	ES1529109-018	ES1529109-019	ES1529109-020	ES1529109-021
				Result	Result	Result	Result	Result
EP074F: Halogenated Aromatic Compounds - Continued								
2-Chlorotoluene	95-49-8	0.5	mg/kg	----	<0.5	----	----	----
4-Chlorotoluene	106-43-4	0.5	mg/kg	----	<0.5	----	----	----
1.3-Dichlorobenzene	541-73-1	0.5	mg/kg	----	<0.5	----	----	----
1.4-Dichlorobenzene	106-46-7	0.5	mg/kg	----	<0.5	----	----	----
1.2-Dichlorobenzene	95-50-1	0.5	mg/kg	----	<0.5	----	----	----
1.2.4-Trichlorobenzene	120-82-1	0.5	mg/kg	----	<0.5	----	----	----
1.2.3-Trichlorobenzene	87-61-6	0.5	mg/kg	----	<0.5	----	----	----
EP074G: Trihalomethanes								
Chloroform	67-66-3	0.5	mg/kg	----	<0.5	----	----	----
Bromodichloromethane	75-27-4	0.5	mg/kg	----	<0.5	----	----	----
Dibromochloromethane	124-48-1	0.5	mg/kg	----	<0.5	----	----	----
Bromoform	75-25-2	0.5	mg/kg	----	<0.5	----	----	----
EP075(SIM)A: Phenolic Compounds								
Phenol	108-95-2	0.5	mg/kg	----	<0.5	----	----	----
2-Chlorophenol	95-57-8	0.5	mg/kg	----	<0.5	----	----	----
2-Methylphenol	95-48-7	0.5	mg/kg	----	<0.5	----	----	----
3- & 4-Methylphenol	1319-77-3	1	mg/kg	----	<1	----	----	----
2-Nitrophenol	88-75-5	0.5	mg/kg	----	<0.5	----	----	----
2.4-Dimethylphenol	105-67-9	0.5	mg/kg	----	<0.5	----	----	----
2.4-Dichlorophenol	120-83-2	0.5	mg/kg	----	<0.5	----	----	----
2.6-Dichlorophenol	87-65-0	0.5	mg/kg	----	<0.5	----	----	----
4-Chloro-3-methylphenol	59-50-7	0.5	mg/kg	----	<0.5	----	----	----
2.4.6-Trichlorophenol	88-06-2	0.5	mg/kg	----	<0.5	----	----	----
2.4.5-Trichlorophenol	95-95-4	0.5	mg/kg	----	<0.5	----	----	----
Pentachlorophenol	87-86-5	2	mg/kg	----	<2	----	----	----
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons								
Naphthalene	91-20-3	0.5	mg/kg	----	<0.5	<0.5	<0.5	<0.5
Acenaphthylene	208-96-8	0.5	mg/kg	----	<0.5	<0.5	<0.5	<0.5
Acenaphthene	83-32-9	0.5	mg/kg	----	<0.5	<0.5	<0.5	<0.5
Fluorene	86-73-7	0.5	mg/kg	----	<0.5	<0.5	<0.5	<0.5
Phenanthrene	85-01-8	0.5	mg/kg	----	**1.0**	<0.5	**1.0**	<0.5
Anthracene	120-12-7	0.5	mg/kg	----	<0.5	<0.5	<0.5	<0.5
Fluoranthene	206-44-0	0.5	mg/kg	----	**1.9**	**0.6**	**1.8**	<0.5
Pyrene	129-00-0	0.5	mg/kg	----	**2.0**	**0.6**	**1.8**	<0.5

Sub-Matrix: SOIL (Matrix: SOIL)				BH04_2.3-2.4	BH05_0.5-0.6	BH07A_0.5-0.6	BH11_0.2-0.3	BH11_2.3-2.4
				[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]
				ES1529109-017	ES1529109-018	ES1529109-019	ES1529109-020	ES1529109-021
				Result	Result	Result	Result	Result
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - Continued								
Benz(a)anthracene	56-55-3	0.5	mg/kg	----	1.0	<0.5	0.8	<0.5
Chrysene	218-01-9	0.5	mg/kg	----	1.0	<0.5	0.9	<0.5
Benzo(b+j)fluoranthene	205-99-2 205-82-3	0.5	mg/kg	----	1.4	0.6	1.3	<0.5
Benzo(k)fluoranthene	207-08-9	0.5	mg/kg	----	0.5	<0.5	0.5	<0.5
Benzo(a)pyrene	50-32-8	0.5	mg/kg	----	1.1	0.6	0.9	<0.5
Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	----	0.6	<0.5	0.6	<0.5
Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg	----	<0.5	<0.5	<0.5	<0.5
Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg	----	0.7	0.6	0.8	<0.5
^ Sum of polycyclic aromatic hydrocarbons	----	0.5	mg/kg	----	11.2	3.0	10.4	<0.5
^ Benzo(a)pyrene TEQ (zero)	----	0.5	mg/kg	----	1.5	0.7	1.2	<0.5
^ Benzo(a)pyrene TEQ (half LOR)	----	0.5	mg/kg	----	1.7	1.0	1.5	0.6
^ Benzo(a)pyrene TEQ (LOR)	----	0.5	mg/kg	----	2.0	1.3	1.7	1.2
EP080/071: Total Petroleum Hydrocarbons								
C6 - C9 Fraction	----	10	mg/kg	<10	<10	----	----	<10
C10 - C14 Fraction	----	50	mg/kg	<50	<50	----	----	<50
C15 - C28 Fraction	----	100	mg/kg	<100	<100	----	----	<100
C29 - C36 Fraction	----	100	mg/kg	200	<100	----	----	<100
^ C10 - C36 Fraction (sum)	----	50	mg/kg	200	<50	----	----	<50
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions								
C6 - C10 Fraction	C6_C10	10	mg/kg	<10	<10	----	----	<10
^ C6 - C10 Fraction minus BTEX (F1)	C6_C10-BTEX	10	mg/kg	<10	<10	----	----	<10
>C10 - C16 Fraction	>C10_C16	50	mg/kg	<50	<50	----	----	<50
>C16 - C34 Fraction	----	100	mg/kg	230	140	----	----	150
>C34 - C40 Fraction	----	100	mg/kg	240	<100	----	----	<100
^ >C10 - C40 Fraction (sum)	----	50	mg/kg	470	140	----	----	150
^ >C10 - C16 Fraction minus Naphthalene (F2)	----	50	mg/kg	<50	<50	----	----	<50
EP080: BTEXN								
Benzene	71-43-2	0.2	mg/kg	<0.2	<0.2	----	----	<0.2
Toluene	108-88-3	0.5	mg/kg	<0.5	<0.5	----	----	<0.5
Ethylbenzene	100-41-4	0.5	mg/kg	<0.5	<0.5	----	----	<0.5
meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg	<0.5	<0.5	----	----	<0.5
ortho-Xylene	95-47-6	0.5	mg/kg	<0.5	<0.5	----	----	<0.5
^ Sum of BTEX	----	0.2	mg/kg	<0.2	<0.2	----	----	<0.2

Sub-Matrix: SOIL (Matrix: SOIL)				BH04_2.3-2.4	BH05_0.5-0.6	BH07A_0.5-0.6	BH11_0.2-0.3	BH11_2.3-2.4
				[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]
				ES1529109-017	ES1529109-018	ES1529109-019	ES1529109-020	ES1529109-021
				Result	Result	Result	Result	Result
EP080: BTEXN - Continued								
^ Total Xylenes	1330-20-7	0.5	mg/kg	<0.5	<0.5	----	----	<0.5
Naphthalene	91-20-3	1	mg/kg	<1	<1	----	----	<1
EP066S: PCB Surrogate								
Decachlorobiphenyl	2051-24-3	0.1	%	----	79.2	76.6	----	----
EP068S: Organochlorine Pesticide Surrogate								
Dibromo-DDE	21655-73-2	0.05	%	----	99.1	110	----	----
EP068T: Organophosphorus Pesticide Surrogate								
DEF	78-48-8	0.05	%	----	86.6	120	----	----
EP074S: VOC Surrogates								
1.2-Dichloroethane-D4	17060-07-0	0.5	%	----	78.7	----	----	----
Toluene-D8	2037-26-5	0.5	%	----	91.0	----	----	----
4-Bromofluorobenzene	460-00-4	0.5	%	----	82.6	----	----	----
EP075(SIM)S: Phenolic Compound Surrogates								
Phenol-d6	13127-88-3	0.5	%	----	104	103	90.0	90.2
2-Chlorophenol-D4	93951-73-6	0.5	%	----	104	104	99.0	98.5
2.4.6-Tribromophenol	118-79-6	0.5	%	----	88.0	99.1	97.8	96.3
EP075(SIM)T: PAH Surrogates								
2-Fluorobiphenyl	321-60-8	0.5	%	----	95.4	102	95.6	93.8
Anthracene-d10	1719-06-8	0.5	%	----	105	114	107	110
4-Terphenyl-d14	1718-51-0	0.5	%	----	100	107	93.8	96.3
EP080S: TPH(V)/BTEX Surrogates								
1.2-Dichloroethane-D4	17060-07-0	0.2	%	99.3	93.3	----	----	83.7
Toluene-D8	2037-26-5	0.2	%	92.5	95.1	----	----	85.7
4-Bromofluorobenzene	460-00-4	0.2	%	88.0	88.6	----	----	76.3

Sub-Matrix: SOIL (Matrix: SOIL)				BH11_3.3-3.4	BH05_1.0-1.1	BH05_2.3-2.4	BH08_0.17-0.18	BH08_1.0-1.1
				[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]
				ES1529109-022	ES1529109-023	ES1529109-024	ES1529109-025	ES1529109-026
				Result	Result	Result	Result	Result
EA055: Moisture Content								
^ Moisture Content (dried @ 103°C)	----	1	%	44.5	43.7	39.8	17.4	33.8
EA200: AS 4964 - 2004 Identification of Asbestos in Soils								
Asbestos Detected	1332-21-4	0.1	g/kg	----	----	----	----	----
Asbestos Type	1332-21-4	-	--	----	----	----	----	----
Sample weight (dry)	----	0.01	g	----	----	----	----	----
APPROVED IDENTIFIER:	----	-	--	----	----	----	----	----
EG005T: Total Metals by ICP-AES								
Arsenic	7440-38-2	5	mg/kg	----	19	12	19	52
Cadmium	7440-43-9	1	mg/kg	----	<1	<1	1	3
Chromium	7440-47-3	2	mg/kg	----	70	14	24	33
Copper	7440-50-8	5	mg/kg	----	321	86	1020	396
Lead	7439-92-1	5	mg/kg	----	1000	113	1060	1930
Nickel	7440-02-0	2	mg/kg	----	27	4	23	39
Zinc	7440-66-6	5	mg/kg	----	750	522	1010	2630
EG035T: Total Recoverable Mercury by FIMS								
Mercury	7439-97-6	0.1	mg/kg	----	2.5	<0.1	0.4	0.7
EP066: Polychlorinated Biphenyls (PCB)								
Total Polychlorinated biphenyls	----	0.1	mg/kg	----	----	----	<0.1	----
EP068A: Organochlorine Pesticides (OC)								
alpha-BHC	319-84-6	0.05	mg/kg	----	----	----	<0.05	----
Hexachlorobenzene (HCB)	118-74-1	0.05	mg/kg	----	----	----	<0.05	----
beta-BHC	319-85-7	0.05	mg/kg	----	----	----	<0.05	----
gamma-BHC	58-89-9	0.05	mg/kg	----	----	----	<0.05	----
delta-BHC	319-86-8	0.05	mg/kg	----	----	----	<0.05	----
Heptachlor	76-44-8	0.05	mg/kg	----	----	----	<0.05	----
Aldrin	309-00-2	0.05	mg/kg	----	----	----	<0.05	----
Heptachlor epoxide	1024-57-3	0.05	mg/kg	----	----	----	<0.05	----
^ Total Chlordane (sum)	----	0.05	mg/kg	----	----	----	<0.05	----
trans-Chlordane	5103-74-2	0.05	mg/kg	----	----	----	<0.05	----
alpha-Endosulfan	959-98-8	0.05	mg/kg	----	----	----	<0.05	----
cis-Chlordane	5103-71-9	0.05	mg/kg	----	----	----	<0.05	----
Dieldrin	60-57-1	0.05	mg/kg	----	----	----	<0.05	----
4.4`-DDE	72-55-9	0.05	mg/kg	----	----	----	<0.05	----
Endrin	72-20-8	0.05	mg/kg	----	----	----	<0.05	----

Sub-Matrix: SOIL (Matrix: SOIL)				BH11_3.3-3.4	BH05_1.0-1.1	BH05_2.3-2.4	BH08_0.17-0.18	BH08_1.0-1.1
				[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]
				ES1529109-022	ES1529109-023	ES1529109-024	ES1529109-025	ES1529109-026
				Result	Result	Result	Result	Result
EP068A: Organochlorine Pesticides (OC) - Continued								
beta-Endosulfan	33213-65-9	0.05	mg/kg	----	----	----	<0.05	----
^ Endosulfan (sum)	115-29-7	0.05	mg/kg	----	----	----	<0.05	----
4.4`-DDD	72-54-8	0.05	mg/kg	----	----	----	<0.05	----
Endrin aldehyde	7421-93-4	0.05	mg/kg	----	----	----	<0.05	----
Endosulfan sulfate	1031-07-8	0.05	mg/kg	----	----	----	<0.05	----
4.4`-DDT	50-29-3	0.2	mg/kg	----	----	----	<0.2	----
Endrin ketone	53494-70-5	0.05	mg/kg	----	----	----	<0.05	----
Methoxychlor	72-43-5	0.2	mg/kg	----	----	----	<0.2	----
^ Sum of Aldrin + Dieldrin	309-00-2/60-57-1	0.05	mg/kg	----	----	----	<0.05	----
^ Sum of DDD + DDE + DDT	----	0.05	mg/kg	----	----	----	<0.05	----
EP068B: Organophosphorus Pesticides (OP)								
Dichlorvos	62-73-7	0.05	mg/kg	----	----	----	<0.05	----
Demeton-S-methyl	919-86-8	0.05	mg/kg	----	----	----	<0.05	----
Monocrotophos	6923-22-4	0.2	mg/kg	----	----	----	<0.2	----
Dimethoate	60-51-5	0.05	mg/kg	----	----	----	<0.05	----
Diazinon	333-41-5	0.05	mg/kg	----	----	----	<0.05	----
Chlorpyrifos-methyl	5598-13-0	0.05	mg/kg	----	----	----	<0.05	----
Parathion-methyl	298-00-0	0.2	mg/kg	----	----	----	<0.2	----
Malathion	121-75-5	0.05	mg/kg	----	----	----	<0.05	----
Fenthion	55-38-9	0.05	mg/kg	----	----	----	<0.05	----
Chlorpyrifos	2921-88-2	0.05	mg/kg	----	----	----	<0.05	----
Parathion	56-38-2	0.2	mg/kg	----	----	----	<0.2	----
Pirimphos-ethyl	23505-41-1	0.05	mg/kg	----	----	----	<0.05	----
Chlorfenvinphos	470-90-6	0.05	mg/kg	----	----	----	<0.05	----
Bromophos-ethyl	4824-78-6	0.05	mg/kg	----	----	----	<0.05	----
Fenamiphos	22224-92-6	0.05	mg/kg	----	----	----	<0.05	----
Prothiofos	34643-46-4	0.05	mg/kg	----	----	----	<0.05	----
Ethion	563-12-2	0.05	mg/kg	----	----	----	<0.05	----
Carbophenothion	786-19-6	0.05	mg/kg	----	----	----	<0.05	----
Azinphos Methyl	86-50-0	0.05	mg/kg	----	----	----	<0.05	----
EP074D: Fumigants								
2.2-Dichloropropane	594-20-7	0.5	mg/kg	----	----	----	----	----
1.2-Dichloropropane	78-87-5	0.5	mg/kg	----	----	----	----	----
cis-1.3-Dichloropropylene	10061-01-5	0.5	mg/kg	----	----	----	----	----

Sub-Matrix: SOIL (Matrix: SOIL)				BH11_3.3-3.4	BH05_1.0-1.1	BH05_2.3-2.4	BH08_0.17-0.18	BH08_1.0-1.1
				[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]
				ES1529109-022	ES1529109-023	ES1529109-024	ES1529109-025	ES1529109-026
				Result	Result	Result	Result	Result
EP074D: Fumigants - Continued								
trans-1.3-Dichloropropylene	10061-02-6	0.5	mg/kg	----	----	----	----	----
1.2-Dibromoethane (EDB)	106-93-4	0.5	mg/kg	----	----	----	----	----
EP074E: Halogenated Aliphatic Compounds								
Dichlorodifluoromethane	75-71-8	5	mg/kg	----	----	----	----	----
Chloromethane	74-87-3	5	mg/kg	----	----	----	----	----
Vinyl chloride	75-01-4	5	mg/kg	----	----	----	----	----
Bromomethane	74-83-9	5	mg/kg	----	----	----	----	----
Chloroethane	75-00-3	5	mg/kg	----	----	----	----	----
Trichlorofluoromethane	75-69-4	5	mg/kg	----	----	----	----	----
1.1-Dichloroethene	75-35-4	0.5	mg/kg	----	----	----	----	----
Iodomethane	74-88-4	0.5	mg/kg	----	----	----	----	----
trans-1.2-Dichloroethene	156-60-5	0.5	mg/kg	----	----	----	----	----
1.1-Dichloroethane	75-34-3	0.5	mg/kg	----	----	----	----	----
cis-1.2-Dichloroethene	156-59-2	0.5	mg/kg	----	----	----	----	----
1.1.1-Trichloroethane	71-55-6	0.5	mg/kg	----	----	----	----	----
1.1-Dichloropropylene	563-58-6	0.5	mg/kg	----	----	----	----	----
Carbon Tetrachloride	56-23-5	0.5	mg/kg	----	----	----	----	----
1.2-Dichloroethane	107-06-2	0.5	mg/kg	----	----	----	----	----
Trichloroethene	79-01-6	0.5	mg/kg	----	----	----	----	----
Dibromomethane	74-95-3	0.5	mg/kg	----	----	----	----	----
1.1.2-Trichloroethane	79-00-5	0.5	mg/kg	----	----	----	----	----
1.3-Dichloropropane	142-28-9	0.5	mg/kg	----	----	----	----	----
Tetrachloroethene	127-18-4	0.5	mg/kg	----	----	----	----	----
1.1.1.2-Tetrachloroethane	630-20-6	0.5	mg/kg	----	----	----	----	----
trans-1.4-Dichloro-2-butene	110-57-6	0.5	mg/kg	----	----	----	----	----
cis-1.4-Dichloro-2-butene	1476-11-5	0.5	mg/kg	----	----	----	----	----
1.1.2.2-Tetrachloroethane	79-34-5	0.5	mg/kg	----	----	----	----	----
1.2.3-Trichloropropane	96-18-4	0.5	mg/kg	----	----	----	----	----
Pentachloroethane	76-01-7	0.5	mg/kg	----	----	----	----	----
1.2-Dibromo-3-chloropropane	96-12-8	0.5	mg/kg	----	----	----	----	----
Hexachlorobutadiene	87-68-3	0.5	mg/kg	----	----	----	----	----
EP074F: Halogenated Aromatic Compounds								
Chlorobenzene	108-90-7	0.5	mg/kg	----	----	----	----	----
Bromobenzene	108-86-1	0.5	mg/kg	----	----	----	----	----

Sub-Matrix: SOIL (Matrix: SOIL)				BH11_3.3-3.4	BH05_1.0-1.1	BH05_2.3-2.4	BH08_0.17-0.18	BH08_1.0-1.1
				[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]
				ES1529109-022	ES1529109-023	ES1529109-024	ES1529109-025	ES1529109-026
				Result	Result	Result	Result	Result
EP074F: Halogenated Aromatic Compounds - Continued								
2-Chlorotoluene	95-49-8	0.5	mg/kg	----	----	----	----	----
4-Chlorotoluene	106-43-4	0.5	mg/kg	----	----	----	----	----
1.3-Dichlorobenzene	541-73-1	0.5	mg/kg	----	----	----	----	----
1.4-Dichlorobenzene	106-46-7	0.5	mg/kg	----	----	----	----	----
1.2-Dichlorobenzene	95-50-1	0.5	mg/kg	----	----	----	----	----
1.2.4-Trichlorobenzene	120-82-1	0.5	mg/kg	----	----	----	----	----
1.2.3-Trichlorobenzene	87-61-6	0.5	mg/kg	----	----	----	----	----
EP074G: Trihalomethanes								
Chloroform	67-66-3	0.5	mg/kg	----	----	----	----	----
Bromodichloromethane	75-27-4	0.5	mg/kg	----	----	----	----	----
Dibromochloromethane	124-48-1	0.5	mg/kg	----	----	----	----	----
Bromoform	75-25-2	0.5	mg/kg	----	----	----	----	----
EP075(SIM)A: Phenolic Compounds								
Phenol	108-95-2	0.5	mg/kg	----	----	----	----	----
2-Chlorophenol	95-57-8	0.5	mg/kg	----	----	----	----	----
2-Methylphenol	95-48-7	0.5	mg/kg	----	----	----	----	----
3- & 4-Methylphenol	1319-77-3	1	mg/kg	----	----	----	----	----
2-Nitrophenol	88-75-5	0.5	mg/kg	----	----	----	----	----
2.4-Dimethylphenol	105-67-9	0.5	mg/kg	----	----	----	----	----
2.4-Dichlorophenol	120-83-2	0.5	mg/kg	----	----	----	----	----
2.6-Dichlorophenol	87-65-0	0.5	mg/kg	----	----	----	----	----
4-Chloro-3-methylphenol	59-50-7	0.5	mg/kg	----	----	----	----	----
2.4.6-Trichlorophenol	88-06-2	0.5	mg/kg	----	----	----	----	----
2.4.5-Trichlorophenol	95-95-4	0.5	mg/kg	----	----	----	----	----
Pentachlorophenol	87-86-5	2	mg/kg	----	----	----	----	----
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons								
Naphthalene	91-20-3	0.5	mg/kg	----	<0.5	----	----	<0.5
Acenaphthylene	208-96-8	0.5	mg/kg	----	<0.5	----	----	<0.5
Acenaphthene	83-32-9	0.5	mg/kg	----	<0.5	----	----	<0.5
Fluorene	86-73-7	0.5	mg/kg	----	<0.5	----	----	<0.5
Phenanthrene	85-01-8	0.5	mg/kg	----	**0.9**	----	----	**1.2**
Anthracene	120-12-7	0.5	mg/kg	----	<0.5	----	----	<0.5
Fluoranthene	206-44-0	0.5	mg/kg	----	**1.9**	----	----	**1.2**
Pyrene	129-00-0	0.5	mg/kg	----	**1.9**	----	----	**1.1**

Sub-Matrix: SOIL (Matrix: SOIL)				BH11_3.3-3.4	BH05_1.0-1.1	BH05_2.3-2.4	BH08_0.17-0.18	BH08_1.0-1.1
				[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]
				ES1529109-022	ES1529109-023	ES1529109-024	ES1529109-025	ES1529109-026
				Result	Result	Result	Result	Result
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - Continued								
Benz(a)anthracene	56-55-3	0.5	mg/kg	----	1.2	----	----	0.6
Chrysene	218-01-9	0.5	mg/kg	----	1.1	----	----	0.8
Benzo(b+j)fluoranthene	205-99-2 205-82-3	0.5	mg/kg	----	1.6	----	----	1.2
Benzo(k)fluoranthene	207-08-9	0.5	mg/kg	----	0.7	----	----	0.6
Benzo(a)pyrene	50-32-8	0.5	mg/kg	----	1.3	----	----	0.7
Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	----	0.8	----	----	0.6
Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg	----	<0.5	----	----	<0.5
Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg	----	1.1	----	----	0.9
^ Sum of polycyclic aromatic hydrocarbons	----	0.5	mg/kg	----	12.5	----	----	8.9
^ Benzo(a)pyrene TEQ (zero)	----	0.5	mg/kg	----	1.8	----	----	1.0
^ Benzo(a)pyrene TEQ (half LOR)	----	0.5	mg/kg	----	2.0	----	----	1.3
^ Benzo(a)pyrene TEQ (LOR)	----	0.5	mg/kg	----	2.2	----	----	1.5
EP080/071: Total Petroleum Hydrocarbons								
C6 - C9 Fraction	----	10	mg/kg	<10	----	<10	----	<10
C10 - C14 Fraction	----	50	mg/kg	<50	----	<50	----	<50
C15 - C28 Fraction	----	100	mg/kg	290	----	<100	----	230
C29 - C36 Fraction	----	100	mg/kg	480	----	150	----	160
^ C10 - C36 Fraction (sum)	----	50	mg/kg	770	----	150	----	390
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions								
C6 - C10 Fraction	C6_C10	10	mg/kg	<10	----	<10	----	<10
^ C6 - C10 Fraction minus BTEX (F1)	C6_C10-BTEX	10	mg/kg	<10	----	<10	----	<10
>C10 - C16 Fraction	>C10_C16	50	mg/kg	<50	----	<50	----	<50
>C16 - C34 Fraction	----	100	mg/kg	650	----	210	----	350
>C34 - C40 Fraction	----	100	mg/kg	310	----	<100	----	<100
^ >C10 - C40 Fraction (sum)	----	50	mg/kg	960	----	210	----	350
^ >C10 - C16 Fraction minus Naphthalene (F2)	----	50	mg/kg	<50	----	<50	----	<50
EP080: BTEXN								
Benzene	71-43-2	0.2	mg/kg	<0.2	----	<0.2	----	<0.2
Toluene	108-88-3	0.5	mg/kg	<0.5	----	<0.5	----	<0.5
Ethylbenzene	100-41-4	0.5	mg/kg	<0.5	----	<0.5	----	<0.5
meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg	<0.5	----	<0.5	----	<0.5
ortho-Xylene	95-47-6	0.5	mg/kg	<0.5	----	<0.5	----	<0.5
^ Sum of BTEX	----	0.2	mg/kg	<0.2	----	<0.2	----	<0.2

Sub-Matrix: SOIL (Matrix: SOIL)				BH11_3.3-3.4	BH05_1.0-1.1	BH05_2.3-2.4	BH08_0.17-0.18	BH08_1.0-1.1
				[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]
				ES1529109-022	ES1529109-023	ES1529109-024	ES1529109-025	ES1529109-026
				Result	Result	Result	Result	Result
EP080: BTEXN - Continued								
^ Total Xylenes	1330-20-7	0.5	mg/kg	<0.5	----	<0.5	----	<0.5
Naphthalene	91-20-3	1	mg/kg	<1	----	<1	----	<1
EP066S: PCB Surrogate								
Decachlorobiphenyl	2051-24-3	0.1	%	----	----	----	77.5	----
EP068S: Organochlorine Pesticide Surrogate								
Dibromo-DDE	21655-73-2	0.05	%	----	----	----	97.9	----
EP068T: Organophosphorus Pesticide Surrogate								
DEF	78-48-8	0.05	%	----	----	----	82.4	----
EP074S: VOC Surrogates								
1.2-Dichloroethane-D4	17060-07-0	0.5	%	----	----	----	----	----
Toluene-D8	2037-26-5	0.5	%	----	----	----	----	----
4-Bromofluorobenzene	460-00-4	0.5	%	----	----	----	----	----
EP075(SIM)S: Phenolic Compound Surrogates								
Phenol-d6	13127-88-3	0.5	%	----	91.9	----	----	91.9
2-Chlorophenol-D4	93951-73-6	0.5	%	----	97.5	----	----	83.0
2.4.6-Tribromophenol	118-79-6	0.5	%	----	109	----	----	106
EP075(SIM)T: PAH Surrogates								
2-Fluorobiphenyl	321-60-8	0.5	%	----	91.9	----	----	90.7
Anthracene-d10	1719-06-8	0.5	%	----	108	----	----	121
4-Terphenyl-d14	1718-51-0	0.5	%	----	93.8	----	----	98.3
EP080S: TPH(V)/BTEX Surrogates								
1.2-Dichloroethane-D4	17060-07-0	0.2	%	89.2	----	91.3	----	86.8
Toluene-D8	2037-26-5	0.2	%	93.2	----	96.8	----	93.7
4-Bromofluorobenzene	460-00-4	0.2	%	87.5	----	83.0	----	80.0

Sub-Matrix: SOIL (Matrix: SOIL)				BH08_2.5-2.6	BH08_3.7-3.8	BH13_0.4-0.5	BH13_3.6-3.7	QC200
				[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]
				ES1529109-027	ES1529109-028	ES1529109-029	ES1529109-030	ES1529109-031
				Result	Result	Result	Result	Result
EA055: Moisture Content								
^ Moisture Content (dried @ 103°C)	----	1	%	40.8	31.7	39.3	29.6	35.0
EA200: AS 4964 - 2004 Identification of Asbestos in Soils								
Asbestos Detected	1332-21-4	0.1	g/kg	----	----	----	----	----
Asbestos Type	1332-21-4	-	--	----	----	----	----	----
Sample weight (dry)	----	0.01	g	----	----	----	----	----
APPROVED IDENTIFIER:	----	-	--	----	----	----	----	----
EG005T: Total Metals by ICP-AES								
Arsenic	7440-38-2	5	mg/kg	42	18	35	----	76
Cadmium	7440-43-9	1	mg/kg	3	<1	10	----	4
Chromium	7440-47-3	2	mg/kg	200	20	258	----	69
Copper	7440-50-8	5	mg/kg	1280	447	971	----	634
Lead	7439-92-1	5	mg/kg	1470	85	1420	----	3180
Nickel	7440-02-0	2	mg/kg	51	17	58	----	42
Zinc	7440-66-6	5	mg/kg	4830	348	3040	----	890
EG035T: Total Recoverable Mercury by FIMS								
Mercury	7439-97-6	0.1	mg/kg	3.4	6.0	0.9	----	15.2
EP066: Polychlorinated Biphenyls (PCB)								
Total Polychlorinated biphenyls	----	0.1	mg/kg	----	----	----	<0.1	----
EP068A: Organochlorine Pesticides (OC)								
alpha-BHC	319-84-6	0.05	mg/kg	----	----	----	<0.05	----
Hexachlorobenzene (HCB)	118-74-1	0.05	mg/kg	----	----	----	<0.05	----
beta-BHC	319-85-7	0.05	mg/kg	----	----	----	<0.05	----
gamma-BHC	58-89-9	0.05	mg/kg	----	----	----	<0.05	----
delta-BHC	319-86-8	0.05	mg/kg	----	----	----	<0.05	----
Heptachlor	76-44-8	0.05	mg/kg	----	----	----	<0.05	----
Aldrin	309-00-2	0.05	mg/kg	----	----	----	<0.05	----
Heptachlor epoxide	1024-57-3	0.05	mg/kg	----	----	----	<0.05	----
^ Total Chlordane (sum)	----	0.05	mg/kg	----	----	----	<0.05	----
trans-Chlordane	5103-74-2	0.05	mg/kg	----	----	----	<0.05	----
alpha-Endosulfan	959-98-8	0.05	mg/kg	----	----	----	<0.05	----
cis-Chlordane	5103-71-9	0.05	mg/kg	----	----	----	<0.05	----
Dieldrin	60-57-1	0.05	mg/kg	----	----	----	<0.05	----
4.4`-DDE	72-55-9	0.05	mg/kg	----	----	----	<0.05	----
Endrin	72-20-8	0.05	mg/kg	----	----	----	<0.05	----

Sub-Matrix: SOIL (Matrix: SOIL)				BH08_2.5-2.6	BH08_3.7-3.8	BH13_0.4-0.5	BH13_3.6-3.7	QC200
				[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]
				ES1529109-027	ES1529109-028	ES1529109-029	ES1529109-030	ES1529109-031
				Result	Result	Result	Result	Result
EP068A: Organochlorine Pesticides (OC) - Continued								
beta-Endosulfan	33213-65-9	0.05	mg/kg	----	----	----	<0.05	----
^ Endosulfan (sum)	115-29-7	0.05	mg/kg	----	----	----	<0.05	----
4.4`-DDD	72-54-8	0.05	mg/kg	----	----	----	<0.05	----
Endrin aldehyde	7421-93-4	0.05	mg/kg	----	----	----	<0.05	----
Endosulfan sulfate	1031-07-8	0.05	mg/kg	----	----	----	<0.05	----
4.4`-DDT	50-29-3	0.2	mg/kg	----	----	----	<0.2	----
Endrin ketone	53494-70-5	0.05	mg/kg	----	----	----	<0.05	----
Methoxychlor	72-43-5	0.2	mg/kg	----	----	----	<0.2	----
^ Sum of Aldrin + Dieldrin	309-00-2/60-57-1	0.05	mg/kg	----	----	----	<0.05	----
^ Sum of DDD + DDE + DDT	----	0.05	mg/kg	----	----	----	<0.05	----
EP068B: Organophosphorus Pesticides (OP)								
Dichlorvos	62-73-7	0.05	mg/kg	----	----	----	<0.05	----
Demeton-S-methyl	919-86-8	0.05	mg/kg	----	----	----	<0.05	----
Monocrotophos	6923-22-4	0.2	mg/kg	----	----	----	<0.2	----
Dimethoate	60-51-5	0.05	mg/kg	----	----	----	<0.05	----
Diazinon	333-41-5	0.05	mg/kg	----	----	----	<0.05	----
Chlorpyrifos-methyl	5598-13-0	0.05	mg/kg	----	----	----	<0.05	----
Parathion-methyl	298-00-0	0.2	mg/kg	----	----	----	<0.2	----
Malathion	121-75-5	0.05	mg/kg	----	----	----	<0.05	----
Fenthion	55-38-9	0.05	mg/kg	----	----	----	<0.05	----
Chlorpyrifos	2921-88-2	0.05	mg/kg	----	----	----	<0.05	----
Parathion	56-38-2	0.2	mg/kg	----	----	----	<0.2	----
Pirimphos-ethyl	23505-41-1	0.05	mg/kg	----	----	----	<0.05	----
Chlorfenvinphos	470-90-6	0.05	mg/kg	----	----	----	<0.05	----
Bromophos-ethyl	4824-78-6	0.05	mg/kg	----	----	----	<0.05	----
Fenamiphos	22224-92-6	0.05	mg/kg	----	----	----	<0.05	----
Prothiofos	34643-46-4	0.05	mg/kg	----	----	----	<0.05	----
Ethion	563-12-2	0.05	mg/kg	----	----	----	<0.05	----
Carbophenothion	786-19-6	0.05	mg/kg	----	----	----	<0.05	----
Azinphos Methyl	86-50-0	0.05	mg/kg	----	----	----	<0.05	----
EP074D: Fumigants								
2.2-Dichloropropane	594-20-7	0.5	mg/kg	----	----	----	----	----
1.2-Dichloropropane	78-87-5	0.5	mg/kg	----	----	----	----	----
cis-1.3-Dichloropropylene	10061-01-5	0.5	mg/kg	----	----	----	----	----

Sub-Matrix: SOIL (Matrix: SOIL)				BH08_2.5-2.6	BH08_3.7-3.8	BH13_0.4-0.5	BH13_3.6-3.7	QC200
				[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]
				ES1529109-027	ES1529109-028	ES1529109-029	ES1529109-030	ES1529109-031
				Result	Result	Result	Result	Result
EP074D: Fumigants - Continued								
trans-1.3-Dichloropropylene	10061-02-6	0.5	mg/kg	----	----	----	----	----
1.2-Dibromoethane (EDB)	106-93-4	0.5	mg/kg	----	----	----	----	----
EP074E: Halogenated Aliphatic Compounds								
Dichlorodifluoromethane	75-71-8	5	mg/kg	----	----	----	----	----
Chloromethane	74-87-3	5	mg/kg	----	----	----	----	----
Vinyl chloride	75-01-4	5	mg/kg	----	----	----	----	----
Bromomethane	74-83-9	5	mg/kg	----	----	----	----	----
Chloroethane	75-00-3	5	mg/kg	----	----	----	----	----
Trichlorofluoromethane	75-69-4	5	mg/kg	----	----	----	----	----
1.1-Dichloroethene	75-35-4	0.5	mg/kg	----	----	----	----	----
Iodomethane	74-88-4	0.5	mg/kg	----	----	----	----	----
trans-1.2-Dichloroethene	156-60-5	0.5	mg/kg	----	----	----	----	----
1.1-Dichloroethane	75-34-3	0.5	mg/kg	----	----	----	----	----
cis-1.2-Dichloroethene	156-59-2	0.5	mg/kg	----	----	----	----	----
1.1.1-Trichloroethane	71-55-6	0.5	mg/kg	----	----	----	----	----
1.1-Dichloropropylene	563-58-6	0.5	mg/kg	----	----	----	----	----
Carbon Tetrachloride	56-23-5	0.5	mg/kg	----	----	----	----	----
1.2-Dichloroethane	107-06-2	0.5	mg/kg	----	----	----	----	----
Trichloroethene	79-01-6	0.5	mg/kg	----	----	----	----	----
Dibromomethane	74-95-3	0.5	mg/kg	----	----	----	----	----
1.1.2-Trichloroethane	79-00-5	0.5	mg/kg	----	----	----	----	----
1.3-Dichloropropane	142-28-9	0.5	mg/kg	----	----	----	----	----
Tetrachloroethene	127-18-4	0.5	mg/kg	----	----	----	----	----
1.1.1.2-Tetrachloroethane	630-20-6	0.5	mg/kg	----	----	----	----	----
trans-1.4-Dichloro-2-butene	110-57-6	0.5	mg/kg	----	----	----	----	----
cis-1.4-Dichloro-2-butene	1476-11-5	0.5	mg/kg	----	----	----	----	----
1.1.2.2-Tetrachloroethane	79-34-5	0.5	mg/kg	----	----	----	----	----
1.2.3-Trichloropropane	96-18-4	0.5	mg/kg	----	----	----	----	----
Pentachloroethane	76-01-7	0.5	mg/kg	----	----	----	----	----
1.2-Dibromo-3-chloropropane	96-12-8	0.5	mg/kg	----	----	----	----	----
Hexachlorobutadiene	87-68-3	0.5	mg/kg	----	----	----	----	----
EP074F: Halogenated Aromatic Compounds								
Chlorobenzene	108-90-7	0.5	mg/kg	----	----	----	----	----
Bromobenzene	108-86-1	0.5	mg/kg	----	----	----	----	----

Sub-Matrix: SOIL (Matrix: SOIL)				BH08_2.5-2.6	BH08_3.7-3.8	BH13_0.4-0.5	BH13_3.6-3.7	QC200
				[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]
				ES1529109-027	ES1529109-028	ES1529109-029	ES1529109-030	ES1529109-031
				Result	Result	Result	Result	Result
EP074F: Halogenated Aromatic Compounds - Continued								
2-Chlorotoluene	95-49-8	0.5	mg/kg	----	----	----	----	----
4-Chlorotoluene	106-43-4	0.5	mg/kg	----	----	----	----	----
1.3-Dichlorobenzene	541-73-1	0.5	mg/kg	----	----	----	----	----
1.4-Dichlorobenzene	106-46-7	0.5	mg/kg	----	----	----	----	----
1.2-Dichlorobenzene	95-50-1	0.5	mg/kg	----	----	----	----	----
1.2.4-Trichlorobenzene	120-82-1	0.5	mg/kg	----	----	----	----	----
1.2.3-Trichlorobenzene	87-61-6	0.5	mg/kg	----	----	----	----	----
EP074G: Trihalomethanes								
Chloroform	67-66-3	0.5	mg/kg	----	----	----	----	----
Bromodichloromethane	75-27-4	0.5	mg/kg	----	----	----	----	----
Dibromochloromethane	124-48-1	0.5	mg/kg	----	----	----	----	----
Bromoform	75-25-2	0.5	mg/kg	----	----	----	----	----
EP075(SIM)A: Phenolic Compounds								
Phenol	108-95-2	0.5	mg/kg	----	----	----	----	----
2-Chlorophenol	95-57-8	0.5	mg/kg	----	----	----	----	----
2-Methylphenol	95-48-7	0.5	mg/kg	----	----	----	----	----
3- & 4-Methylphenol	1319-77-3	1	mg/kg	----	----	----	----	----
2-Nitrophenol	88-75-5	0.5	mg/kg	----	----	----	----	----
2.4-Dimethylphenol	105-67-9	0.5	mg/kg	----	----	----	----	----
2.4-Dichlorophenol	120-83-2	0.5	mg/kg	----	----	----	----	----
2.6-Dichlorophenol	87-65-0	0.5	mg/kg	----	----	----	----	----
4-Chloro-3-methylphenol	59-50-7	0.5	mg/kg	----	----	----	----	----
2.4.6-Trichlorophenol	88-06-2	0.5	mg/kg	----	----	----	----	----
2.4.5-Trichlorophenol	95-95-4	0.5	mg/kg	----	----	----	----	----
Pentachlorophenol	87-86-5	2	mg/kg	----	----	----	----	----
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons								
Naphthalene	91-20-3	0.5	mg/kg	<0.5	----	<0.5	----	<0.5
Acenaphthylene	208-96-8	0.5	mg/kg	<0.5	----	<0.5	----	<0.5
Acenaphthene	83-32-9	0.5	mg/kg	<0.5	----	<0.5	----	<0.5
Fluorene	86-73-7	0.5	mg/kg	<0.5	----	<0.5	----	<0.5
Phenanthrene	85-01-8	0.5	mg/kg	<0.5	----	**0.8**	----	<0.5
Anthracene	120-12-7	0.5	mg/kg	<0.5	----	<0.5	----	<0.5
Fluoranthene	206-44-0	0.5	mg/kg	**4.5**	----	**2.8**	----	**0.9**
Pyrene	129-00-0	0.5	mg/kg	**4.5**	----	**2.7**	----	**0.8**

Sub-Matrix: SOIL (Matrix: SOIL)				BH08_2.5-2.6	BH08_3.7-3.8	BH13_0.4-0.5	BH13_3.6-3.7	QC200
				[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]
				ES1529109-027	ES1529109-028	ES1529109-029	ES1529109-030	ES1529109-031
				Result	Result	Result	Result	Result
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - Continued								
Benz(a)anthracene	56-55-3	0.5	mg/kg	2.5	----	1.3	----	<0.5
Chrysene	218-01-9	0.5	mg/kg	3.9	----	1.4	----	0.5
Benzo(b+j)fluoranthene	205-99-2 205-82-3	0.5	mg/kg	4.0	----	2.2	----	1.2
Benzo(k)fluoranthene	207-08-9	0.5	mg/kg	1.4	----	0.8	----	<0.5
Benzo(a)pyrene	50-32-8	0.5	mg/kg	1.4	----	1.6	----	<0.5
Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	1.3	----	1.0	----	<0.5
Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg	<0.5	----	<0.5	----	<0.5
Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg	1.7	----	1.4	----	0.7
^ Sum of polycyclic aromatic hydrocarbons	----	0.5	mg/kg	25.2	----	16.0	----	4.1
^ Benzo(a)pyrene TEQ (zero)	----	0.5	mg/kg	2.4	----	2.2	----	<0.5
^ Benzo(a)pyrene TEQ (half LOR)	----	0.5	mg/kg	2.6	----	2.4	----	0.7
^ Benzo(a)pyrene TEQ (LOR)	----	0.5	mg/kg	2.9	----	2.6	----	1.3
EP080/071: Total Petroleum Hydrocarbons								
C6 - C9 Fraction	----	10	mg/kg	----	<10	----	----	----
C10 - C14 Fraction	----	50	mg/kg	----	<50	----	----	----
C15 - C28 Fraction	----	100	mg/kg	----	270	----	----	----
C29 - C36 Fraction	----	100	mg/kg	----	130	----	----	----
^ C10 - C36 Fraction (sum)	----	50	mg/kg	----	400	----	----	----
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions								
C6 - C10 Fraction	C6_C10	10	mg/kg	----	<10	----	----	----
^ C6 - C10 Fraction minus BTEX (F1)	C6_C10-BTEX	10	mg/kg	----	<10	----	----	----
>C10 - C16 Fraction	>C10_C16	50	mg/kg	----	<50	----	----	----
>C16 - C34 Fraction	----	100	mg/kg	----	380	----	----	----
>C34 - C40 Fraction	----	100	mg/kg	----	<100	----	----	----
^ >C10 - C40 Fraction (sum)	----	50	mg/kg	----	380	----	----	----
^ >C10 - C16 Fraction minus Naphthalene (F2)	----	50	mg/kg	----	<50	----	----	----
EP080: BTEXN								
Benzene	71-43-2	0.2	mg/kg	----	<0.2	----	----	----
Toluene	108-88-3	0.5	mg/kg	----	<0.5	----	----	----
Ethylbenzene	100-41-4	0.5	mg/kg	----	<0.5	----	----	----
meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg	----	<0.5	----	----	----
ortho-Xylene	95-47-6	0.5	mg/kg	----	<0.5	----	----	----
^ Sum of BTEX	----	0.2	mg/kg	----	<0.2	----	----	----

Sub-Matrix: SOIL (Matrix: SOIL)				BH08_2.5-2.6	BH08_3.7-3.8	BH13_0.4-0.5	BH13_3.6-3.7	QC200
				[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]	[20-Aug-2015]
				ES1529109-027	ES1529109-028	ES1529109-029	ES1529109-030	ES1529109-031
				Result	Result	Result	Result	Result
EP080: BTEXN - Continued								
^ Total Xylenes	1330-20-7	0.5	mg/kg	----	<0.5	----	----	----
Naphthalene	91-20-3	1	mg/kg	----	<1	----	----	----
EP066S: PCB Surrogate								
Decachlorobiphenyl	2051-24-3	0.1	%	----	----	----	75.8	----
EP068S: Organochlorine Pesticide Surrogate								
Dibromo-DDE	21655-73-2	0.05	%	----	----	----	113	----
EP068T: Organophosphorus Pesticide Surrogate								
DEF	78-48-8	0.05	%	----	----	----	99.5	----
EP074S: VOC Surrogates								
1.2-Dichloroethane-D4	17060-07-0	0.5	%	----	----	----	----	----
Toluene-D8	2037-26-5	0.5	%	----	----	----	----	----
4-Bromofluorobenzene	460-00-4	0.5	%	----	----	----	----	----
EP075(SIM)S: Phenolic Compound Surrogates								
Phenol-d6	13127-88-3	0.5	%	90.5	----	90.3	----	93.3
2-Chlorophenol-D4	93951-73-6	0.5	%	83.1	----	84.8	----	95.8
2.4.6-Tribromophenol	118-79-6	0.5	%	110	----	94.9	----	106
EP075(SIM)T: PAH Surrogates								
2-Fluorobiphenyl	321-60-8	0.5	%	88.7	----	92.7	----	93.4
Anthracene-d10	1719-06-8	0.5	%	113	----	110	----	116
4-Terphenyl-d14	1718-51-0	0.5	%	88.6	----	93.7	----	95.3
EP080S: TPH(V)/BTEX Surrogates								
1.2-Dichloroethane-D4	17060-07-0	0.2	%	----	90.2	----	----	----
Toluene-D8	2037-26-5	0.2	%	----	92.4	----	----	----
4-Bromofluorobenzene	460-00-4	0.2	%	----	87.4	----	----	----

Sub-Matrix: SOIL (Matrix: SOIL)				BH12_1.0-1.1	BH12_1.8-1.9	BH12_3.6-3.7	BH07B_1.2-1.3	BH07B_2.3-2.4
				[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]
				ES1529109-032	ES1529109-033	ES1529109-034	ES1529109-035	ES1529109-036
				Result	Result	Result	Result	Result
EA055: Moisture Content								
^ Moisture Content (dried @ 103°C)	----	1	%	46.8	----	50.8	41.1	36.4
EA200: AS 4964 - 2004 Identification of Asbestos in Soils								
Asbestos Detected	1332-21-4	0.1	g/kg	----	No	----	No	----
Asbestos Type	1332-21-4	-	--	----	-	----	-	----
Sample weight (dry)	----	0.01	g	----	100	----	101	----
APPROVED IDENTIFIER:	----	-	--	----	G.MORGAN	----	G.MORGAN	----
EG005T: Total Metals by ICP-AES								
Arsenic	7440-38-2	5	mg/kg	34	----	----	8	26
Cadmium	7440-43-9	1	mg/kg	2	----	----	2	1
Chromium	7440-47-3	2	mg/kg	47	----	----	128	19
Copper	7440-50-8	5	mg/kg	12400	----	----	85	183
Lead	7439-92-1	5	mg/kg	1530	----	----	7530	372
Nickel	7440-02-0	2	mg/kg	57	----	----	13	22
Zinc	7440-66-6	5	mg/kg	2040	----	----	1120	1460
EG035T: Total Recoverable Mercury by FIMS								
Mercury	7439-97-6	0.1	mg/kg	1.0	----	----	6.2	0.6
EP066: Polychlorinated Biphenyls (PCB)								
Total Polychlorinated biphenyls	----	0.1	mg/kg	----	----	----	<0.1	----
EP068A: Organochlorine Pesticides (OC)								
alpha-BHC	319-84-6	0.05	mg/kg	----	----	----	<0.05	----
Hexachlorobenzene (HCB)	118-74-1	0.05	mg/kg	----	----	----	<0.05	----
beta-BHC	319-85-7	0.05	mg/kg	----	----	----	<0.05	----
gamma-BHC	58-89-9	0.05	mg/kg	----	----	----	<0.05	----
delta-BHC	319-86-8	0.05	mg/kg	----	----	----	<0.05	----
Heptachlor	76-44-8	0.05	mg/kg	----	----	----	<0.05	----
Aldrin	309-00-2	0.05	mg/kg	----	----	----	<0.05	----
Heptachlor epoxide	1024-57-3	0.05	mg/kg	----	----	----	<0.05	----
^ Total Chlordane (sum)	----	0.05	mg/kg	----	----	----	<0.05	----
trans-Chlordane	5103-74-2	0.05	mg/kg	----	----	----	<0.05	----
alpha-Endosulfan	959-98-8	0.05	mg/kg	----	----	----	<0.05	----
cis-Chlordane	5103-71-9	0.05	mg/kg	----	----	----	<0.05	----
Dieldrin	60-57-1	0.05	mg/kg	----	----	----	<0.05	----
4.4`-DDE	72-55-9	0.05	mg/kg	----	----	----	<0.05	----
Endrin	72-20-8	0.05	mg/kg	----	----	----	<0.05	----

Sub-Matrix: SOIL (Matrix: SOIL)				BH12_1.0-1.1	BH12_1.8-1.9	BH12_3.6-3.7	BH07B_1.2-1.3	BH07B_2.3-2.4
				[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]
				ES1529109-032	ES1529109-033	ES1529109-034	ES1529109-035	ES1529109-036
				Result	Result	Result	Result	Result
EP068A: Organochlorine Pesticides (OC) - Continued								
beta-Endosulfan	33213-65-9	0.05	mg/kg	----	----	----	<0.05	----
^ Endosulfan (sum)	115-29-7	0.05	mg/kg	----	----	----	<0.05	----
4.4`-DDD	72-54-8	0.05	mg/kg	----	----	----	<0.05	----
Endrin aldehyde	7421-93-4	0.05	mg/kg	----	----	----	<0.05	----
Endosulfan sulfate	1031-07-8	0.05	mg/kg	----	----	----	<0.05	----
4.4`-DDT	50-29-3	0.2	mg/kg	----	----	----	<0.2	----
Endrin ketone	53494-70-5	0.05	mg/kg	----	----	----	<0.05	----
Methoxychlor	72-43-5	0.2	mg/kg	----	----	----	<0.2	----
^ Sum of Aldrin + Dieldrin	309-00-2/60-57-1	0.05	mg/kg	----	----	----	<0.05	----
^ Sum of DDD + DDE + DDT	----	0.05	mg/kg	----	----	----	<0.05	----
EP068B: Organophosphorus Pesticides (OP)								
Dichlorvos	62-73-7	0.05	mg/kg	----	----	----	<0.05	----
Demeton-S-methyl	919-86-8	0.05	mg/kg	----	----	----	<0.05	----
Monocrotophos	6923-22-4	0.2	mg/kg	----	----	----	<0.2	----
Dimethoate	60-51-5	0.05	mg/kg	----	----	----	<0.05	----
Diazinon	333-41-5	0.05	mg/kg	----	----	----	<0.05	----
Chlorpyrifos-methyl	5598-13-0	0.05	mg/kg	----	----	----	<0.05	----
Parathion-methyl	298-00-0	0.2	mg/kg	----	----	----	<0.2	----
Malathion	121-75-5	0.05	mg/kg	----	----	----	<0.05	----
Fenthion	55-38-9	0.05	mg/kg	----	----	----	<0.05	----
Chlorpyrifos	2921-88-2	0.05	mg/kg	----	----	----	<0.05	----
Parathion	56-38-2	0.2	mg/kg	----	----	----	<0.2	----
Pirimphos-ethyl	23505-41-1	0.05	mg/kg	----	----	----	<0.05	----
Chlorfenvinphos	470-90-6	0.05	mg/kg	----	----	----	<0.05	----
Bromophos-ethyl	4824-78-6	0.05	mg/kg	----	----	----	<0.05	----
Fenamiphos	22224-92-6	0.05	mg/kg	----	----	----	<0.05	----
Prothiofos	34643-46-4	0.05	mg/kg	----	----	----	<0.05	----
Ethion	563-12-2	0.05	mg/kg	----	----	----	<0.05	----
Carbophenothion	786-19-6	0.05	mg/kg	----	----	----	<0.05	----
Azinphos Methyl	86-50-0	0.05	mg/kg	----	----	----	<0.05	----
EP074D: Fumigants								
2.2-Dichloropropane	594-20-7	0.5	mg/kg	----	----	----	----	----
1.2-Dichloropropane	78-87-5	0.5	mg/kg	----	----	----	----	----
cis-1.3-Dichloropropylene	10061-01-5	0.5	mg/kg	----	----	----	----	----

Sub-Matrix: SOIL (Matrix: SOIL)				BH12_1.0-1.1	BH12_1.8-1.9	BH12_3.6-3.7	BH07B_1.2-1.3	BH07B_2.3-2.4
				[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]
				ES1529109-032	ES1529109-033	ES1529109-034	ES1529109-035	ES1529109-036
				Result	Result	Result	Result	Result
EP074D: Fumigants - Continued								
trans-1.3-Dichloropropylene	10061-02-6	0.5	mg/kg	----	----	----	----	----
1.2-Dibromoethane (EDB)	106-93-4	0.5	mg/kg	----	----	----	----	----
EP074E: Halogenated Aliphatic Compounds								
Dichlorodifluoromethane	75-71-8	5	mg/kg	----	----	----	----	----
Chloromethane	74-87-3	5	mg/kg	----	----	----	----	----
Vinyl chloride	75-01-4	5	mg/kg	----	----	----	----	----
Bromomethane	74-83-9	5	mg/kg	----	----	----	----	----
Chloroethane	75-00-3	5	mg/kg	----	----	----	----	----
Trichlorofluoromethane	75-69-4	5	mg/kg	----	----	----	----	----
1.1-Dichloroethene	75-35-4	0.5	mg/kg	----	----	----	----	----
Iodomethane	74-88-4	0.5	mg/kg	----	----	----	----	----
trans-1.2-Dichloroethene	156-60-5	0.5	mg/kg	----	----	----	----	----
1.1-Dichloroethane	75-34-3	0.5	mg/kg	----	----	----	----	----
cis-1.2-Dichloroethene	156-59-2	0.5	mg/kg	----	----	----	----	----
1.1.1-Trichloroethane	71-55-6	0.5	mg/kg	----	----	----	----	----
1.1-Dichloropropylene	563-58-6	0.5	mg/kg	----	----	----	----	----
Carbon Tetrachloride	56-23-5	0.5	mg/kg	----	----	----	----	----
1.2-Dichloroethane	107-06-2	0.5	mg/kg	----	----	----	----	----
Trichloroethene	79-01-6	0.5	mg/kg	----	----	----	----	----
Dibromomethane	74-95-3	0.5	mg/kg	----	----	----	----	----
1.1.2-Trichloroethane	79-00-5	0.5	mg/kg	----	----	----	----	----
1.3-Dichloropropane	142-28-9	0.5	mg/kg	----	----	----	----	----
Tetrachloroethene	127-18-4	0.5	mg/kg	----	----	----	----	----
1.1.1.2-Tetrachloroethane	630-20-6	0.5	mg/kg	----	----	----	----	----
trans-1.4-Dichloro-2-butene	110-57-6	0.5	mg/kg	----	----	----	----	----
cis-1.4-Dichloro-2-butene	1476-11-5	0.5	mg/kg	----	----	----	----	----
1.1.2.2-Tetrachloroethane	79-34-5	0.5	mg/kg	----	----	----	----	----
1.2.3-Trichloropropane	96-18-4	0.5	mg/kg	----	----	----	----	----
Pentachloroethane	76-01-7	0.5	mg/kg	----	----	----	----	----
1.2-Dibromo-3-chloropropane	96-12-8	0.5	mg/kg	----	----	----	----	----
Hexachlorobutadiene	87-68-3	0.5	mg/kg	----	----	----	----	----
EP074F: Halogenated Aromatic Compounds								
Chlorobenzene	108-90-7	0.5	mg/kg	----	----	----	----	----
Bromobenzene	108-86-1	0.5	mg/kg	----	----	----	----	----

Sub-Matrix: SOIL (Matrix: SOIL)				BH12_1.0-1.1	BH12_1.8-1.9	BH12_3.6-3.7	BH07B_1.2-1.3	BH07B_2.3-2.4
				[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]
				ES1529109-032	ES1529109-033	ES1529109-034	ES1529109-035	ES1529109-036
				Result	Result	Result	Result	Result
EP074F: Halogenated Aromatic Compounds - Continued								
2-Chlorotoluene	95-49-8	0.5	mg/kg	----	----	----	----	----
4-Chlorotoluene	106-43-4	0.5	mg/kg	----	----	----	----	----
1.3-Dichlorobenzene	541-73-1	0.5	mg/kg	----	----	----	----	----
1.4-Dichlorobenzene	106-46-7	0.5	mg/kg	----	----	----	----	----
1.2-Dichlorobenzene	95-50-1	0.5	mg/kg	----	----	----	----	----
1.2.4-Trichlorobenzene	120-82-1	0.5	mg/kg	----	----	----	----	----
1.2.3-Trichlorobenzene	87-61-6	0.5	mg/kg	----	----	----	----	----
EP074G: Trihalomethanes								
Chloroform	67-66-3	0.5	mg/kg	----	----	----	----	----
Bromodichloromethane	75-27-4	0.5	mg/kg	----	----	----	----	----
Dibromochloromethane	124-48-1	0.5	mg/kg	----	----	----	----	----
Bromoform	75-25-2	0.5	mg/kg	----	----	----	----	----
EP075(SIM)A: Phenolic Compounds								
Phenol	108-95-2	0.5	mg/kg	----	----	----	----	----
2-Chlorophenol	95-57-8	0.5	mg/kg	----	----	----	----	----
2-Methylphenol	95-48-7	0.5	mg/kg	----	----	----	----	----
3- & 4-Methylphenol	1319-77-3	1	mg/kg	----	----	----	----	----
2-Nitrophenol	88-75-5	0.5	mg/kg	----	----	----	----	----
2.4-Dimethylphenol	105-67-9	0.5	mg/kg	----	----	----	----	----
2.4-Dichlorophenol	120-83-2	0.5	mg/kg	----	----	----	----	----
2.6-Dichlorophenol	87-65-0	0.5	mg/kg	----	----	----	----	----
4-Chloro-3-methylphenol	59-50-7	0.5	mg/kg	----	----	----	----	----
2.4.6-Trichlorophenol	88-06-2	0.5	mg/kg	----	----	----	----	----
2.4.5-Trichlorophenol	95-95-4	0.5	mg/kg	----	----	----	----	----
Pentachlorophenol	87-86-5	2	mg/kg	----	----	----	----	----
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons								
Naphthalene	91-20-3	0.5	mg/kg	----	----	----	<0.5	----
Acenaphthylene	208-96-8	0.5	mg/kg	----	----	----	<0.5	----
Acenaphthene	83-32-9	0.5	mg/kg	----	----	----	<0.5	----
Fluorene	86-73-7	0.5	mg/kg	----	----	----	<0.5	----
Phenanthrene	85-01-8	0.5	mg/kg	----	----	----	**0.9**	----
Anthracene	120-12-7	0.5	mg/kg	----	----	----	<0.5	----
Fluoranthene	206-44-0	0.5	mg/kg	----	----	----	**2.2**	----
Pyrene	129-00-0	0.5	mg/kg	----	----	----	**2.2**	----

Sub-Matrix: SOIL (Matrix: SOIL)				BH12_1.0-1.1	BH12_1.8-1.9	BH12_3.6-3.7	BH07B_1.2-1.3	BH07B_2.3-2.4
				[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]
				ES1529109-032	ES1529109-033	ES1529109-034	ES1529109-035	ES1529109-036
				Result	Result	Result	Result	Result
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - Continued								
Benz(a)anthracene	56-55-3	0.5	mg/kg	----	----	----	1.3	----
Chrysene	218-01-9	0.5	mg/kg	----	----	----	1.6	----
Benzo(b+j)fluoranthene	205-99-2 205-82-3	0.5	mg/kg	----	----	----	2.5	----
Benzo(k)fluoranthene	207-08-9	0.5	mg/kg	----	----	----	0.8	----
Benzo(a)pyrene	50-32-8	0.5	mg/kg	----	----	----	1.9	----
Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	----	----	----	1.1	----
Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg	----	----	----	<0.5	----
Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg	----	----	----	1.5	----
^ Sum of polycyclic aromatic hydrocarbons	----	0.5	mg/kg	----	----	----	16.0	----
^ Benzo(a)pyrene TEQ (zero)	----	0.5	mg/kg	----	----	----	2.5	----
^ Benzo(a)pyrene TEQ (half LOR)	----	0.5	mg/kg	----	----	----	2.8	----
^ Benzo(a)pyrene TEQ (LOR)	----	0.5	mg/kg	----	----	----	3.0	----
EP080/071: Total Petroleum Hydrocarbons								
C6 - C9 Fraction	----	10	mg/kg	----	----	<10	<10	<10
C10 - C14 Fraction	----	50	mg/kg	----	----	<50	<50	<50
C15 - C28 Fraction	----	100	mg/kg	----	----	1220	490	230
C29 - C36 Fraction	----	100	mg/kg	----	----	600	440	170
^ C10 - C36 Fraction (sum)	----	50	mg/kg	----	----	1820	930	400
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions								
C6 - C10 Fraction	C6_C10	10	mg/kg	----	----	<10	<10	<10
^ C6 - C10 Fraction minus BTEX (F1)	C6_C10-BTEX	10	mg/kg	----	----	<10	<10	<10
>C10 - C16 Fraction	>C10_C16	50	mg/kg	----	----	70	<50	<50
>C16 - C34 Fraction	----	100	mg/kg	----	----	1660	850	360
>C34 - C40 Fraction	----	100	mg/kg	----	----	430	180	100
^ >C10 - C40 Fraction (sum)	----	50	mg/kg	----	----	2160	1030	460
^ >C10 - C16 Fraction minus Naphthalene (F2)	----	50	mg/kg	----	----	70	<50	<50
EP080: BTEXN								
Benzene	71-43-2	0.2	mg/kg	----	----	<0.2	<0.2	<0.2
Toluene	108-88-3	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
Ethylbenzene	100-41-4	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
ortho-Xylene	95-47-6	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
^ Sum of BTEX	----	0.2	mg/kg	----	----	<0.2	<0.2	<0.2

Sub-Matrix: SOIL (Matrix: SOIL)				BH12_1.0-1.1	BH12_1.8-1.9	BH12_3.6-3.7	BH07B_1.2-1.3	BH07B_2.3-2.4
				[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]
				ES1529109-032	ES1529109-033	ES1529109-034	ES1529109-035	ES1529109-036
				Result	Result	Result	Result	Result
EP080: BTEXN - Continued								
^ **Total Xylenes**	1330-20-7	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
Naphthalene	91-20-3	1	mg/kg	----	----	<1	<1	<1
EP066S: PCB Surrogate								
Decachlorobiphenyl	2051-24-3	0.1	%	----	----	----	**73.8**	----
EP068S: Organochlorine Pesticide Surrogate								
Dibromo-DDE	21655-73-2	0.05	%	----	----	----	**103**	----
EP068T: Organophosphorus Pesticide Surrogate								
DEF	78-48-8	0.05	%	----	----	----	**87.3**	----
EP074S: VOC Surrogates								
1.2-Dichloroethane-D4	17060-07-0	0.5	%	----	----	----	----	----
Toluene-D8	2037-26-5	0.5	%	----	----	----	----	----
4-Bromofluorobenzene	460-00-4	0.5	%	----	----	----	----	----
EP075(SIM)S: Phenolic Compound Surrogates								
Phenol-d6	13127-88-3	0.5	%	----	----	----	**96.8**	----
2-Chlorophenol-D4	93951-73-6	0.5	%	----	----	----	**107**	----
2.4.6-Tribromophenol	118-79-6	0.5	%	----	----	----	**97.4**	----
EP075(SIM)T: PAH Surrogates								
2-Fluorobiphenyl	321-60-8	0.5	%	----	----	----	**99.8**	----
Anthracene-d10	1719-06-8	0.5	%	----	----	----	**109**	----
4-Terphenyl-d14	1718-51-0	0.5	%	----	----	----	**106**	----
EP080S: TPH(V)/BTEX Surrogates								
1.2-Dichloroethane-D4	17060-07-0	0.2	%	----	----	**85.4**	**102**	**95.5**
Toluene-D8	2037-26-5	0.2	%	----	----	**82.3**	**98.3**	**88.6**
4-Bromofluorobenzene	460-00-4	0.2	%	----	----	**77.5**	**90.6**	**87.0**

Sub-Matrix: SOIL (Matrix: SOIL)				BH10_0.15-0.25	BH09_0.25-0.35	BH12_0.15-0.25	BH01_0.3-0.4	BH01_1.0-1.1
				[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]
				ES1529109-037	ES1529109-038	ES1529109-039	ES1529109-040	ES1529109-041
				Result	Result	Result	Result	Result
EA055: Moisture Content								
^ Moisture Content (dried @ 103°C)	----	1	%	5.0	3.5	20.3	----	39.4
EA200: AS 4964 - 2004 Identification of Asbestos in Soils								
Asbestos Detected	1332-21-4	0.1	g/kg	----	----	----	Yes	----
Asbestos Type	1332-21-4	-	--	----	----	----	Ch	----
Sample weight (dry)	----	0.01	g	----	----	----	183	----
APPROVED IDENTIFIER:	----	-	--	----	----	----	S.SPOONER	----
EG005T: Total Metals by ICP-AES								
Arsenic	7440-38-2	5	mg/kg	----	<5	41	----	14
Cadmium	7440-43-9	1	mg/kg	----	<1	6	----	2
Chromium	7440-47-3	2	mg/kg	----	6	36	----	58
Copper	7440-50-8	5	mg/kg	----	7	2460	----	3040
Lead	7439-92-1	5	mg/kg	----	6	2290	----	1510
Nickel	7440-02-0	2	mg/kg	----	<2	75	----	26
Zinc	7440-66-6	5	mg/kg	----	30	5200	----	1560
EG035T: Total Recoverable Mercury by FIMS								
Mercury	7439-97-6	0.1	mg/kg	----	<0.1	1.7	----	2.3
EP066: Polychlorinated Biphenyls (PCB)								
Total Polychlorinated biphenyls	----	0.1	mg/kg	<0.1	----	----	----	<0.1
EP068A: Organochlorine Pesticides (OC)								
alpha-BHC	319-84-6	0.05	mg/kg	<0.05	----	----	----	<0.05
Hexachlorobenzene (HCB)	118-74-1	0.05	mg/kg	<0.05	----	----	----	<0.05
beta-BHC	319-85-7	0.05	mg/kg	<0.05	----	----	----	<0.05
gamma-BHC	58-89-9	0.05	mg/kg	<0.05	----	----	----	<0.05
delta-BHC	319-86-8	0.05	mg/kg	<0.05	----	----	----	<0.05
Heptachlor	76-44-8	0.05	mg/kg	<0.05	----	----	----	<0.05
Aldrin	309-00-2	0.05	mg/kg	<0.05	----	----	----	<0.05
Heptachlor epoxide	1024-57-3	0.05	mg/kg	<0.05	----	----	----	<0.05
^ Total Chlordane (sum)	----	0.05	mg/kg	<0.05	----	----	----	<0.05
trans-Chlordane	5103-74-2	0.05	mg/kg	<0.05	----	----	----	<0.05
alpha-Endosulfan	959-98-8	0.05	mg/kg	<0.05	----	----	----	<0.05
cis-Chlordane	5103-71-9	0.05	mg/kg	<0.05	----	----	----	<0.05
Dieldrin	60-57-1	0.05	mg/kg	<0.05	----	----	----	<0.05
4.4`-DDE	72-55-9	0.05	mg/kg	<0.05	----	----	----	<0.05
Endrin	72-20-8	0.05	mg/kg	<0.05	----	----	----	<0.05

Sub-Matrix: SOIL (Matrix: SOIL)				BH10_0.15-0.25	BH09_0.25-0.35	BH12_0.15-0.25	BH01_0.3-0.4	BH01_1.0-1.1
				[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]
				ES1529109-037	ES1529109-038	ES1529109-039	ES1529109-040	ES1529109-041
				Result	Result	Result	Result	Result
EP068A: Organochlorine Pesticides (OC) - Continued								
beta-Endosulfan	33213-65-9	0.05	mg/kg	<0.05	----	----	----	<0.05
^ Endosulfan (sum)	115-29-7	0.05	mg/kg	<0.05	----	----	----	<0.05
4.4`-DDD	72-54-8	0.05	mg/kg	<0.05	----	----	----	<0.05
Endrin aldehyde	7421-93-4	0.05	mg/kg	<0.05	----	----	----	<0.05
Endosulfan sulfate	1031-07-8	0.05	mg/kg	<0.05	----	----	----	<0.05
4.4`-DDT	50-29-3	0.2	mg/kg	<0.2	----	----	----	<0.2
Endrin ketone	53494-70-5	0.05	mg/kg	<0.05	----	----	----	<0.05
Methoxychlor	72-43-5	0.2	mg/kg	<0.2	----	----	----	<0.2
^ Sum of Aldrin + Dieldrin	309-00-2/60-57-1	0.05	mg/kg	<0.05	----	----	----	<0.05
^ Sum of DDD + DDE + DDT	----	0.05	mg/kg	<0.05	----	----	----	<0.05
EP068B: Organophosphorus Pesticides (OP)								
Dichlorvos	62-73-7	0.05	mg/kg	<0.05	----	----	----	<0.05
Demeton-S-methyl	919-86-8	0.05	mg/kg	<0.05	----	----	----	<0.05
Monocrotophos	6923-22-4	0.2	mg/kg	<0.2	----	----	----	<0.2
Dimethoate	60-51-5	0.05	mg/kg	<0.05	----	----	----	<0.05
Diazinon	333-41-5	0.05	mg/kg	<0.05	----	----	----	<0.05
Chlorpyrifos-methyl	5598-13-0	0.05	mg/kg	<0.05	----	----	----	<0.05
Parathion-methyl	298-00-0	0.2	mg/kg	<0.2	----	----	----	<0.2
Malathion	121-75-5	0.05	mg/kg	<0.05	----	----	----	<0.05
Fenthion	55-38-9	0.05	mg/kg	<0.05	----	----	----	<0.05
Chlorpyrifos	2921-88-2	0.05	mg/kg	<0.05	----	----	----	<0.05
Parathion	56-38-2	0.2	mg/kg	<0.2	----	----	----	<0.2
Pirimphos-ethyl	23505-41-1	0.05	mg/kg	<0.05	----	----	----	<0.05
Chlorfenvinphos	470-90-6	0.05	mg/kg	<0.05	----	----	----	<0.05
Bromophos-ethyl	4824-78-6	0.05	mg/kg	<0.05	----	----	----	<0.05
Fenamiphos	22224-92-6	0.05	mg/kg	<0.05	----	----	----	<0.05
Prothiofos	34643-46-4	0.05	mg/kg	<0.05	----	----	----	<0.05
Ethion	563-12-2	0.05	mg/kg	<0.05	----	----	----	<0.05
Carbophenothion	786-19-6	0.05	mg/kg	<0.05	----	----	----	<0.05
Azinphos Methyl	86-50-0	0.05	mg/kg	<0.05	----	----	----	<0.05
EP074D: Fumigants								
2.2-Dichloropropane	594-20-7	0.5	mg/kg	----	----	----	----	----
1.2-Dichloropropane	78-87-5	0.5	mg/kg	----	----	----	----	----
cis-1.3-Dichloropropylene	10061-01-5	0.5	mg/kg	----	----	----	----	----

Sub-Matrix: SOIL (Matrix: SOIL)				BH10_0.15-0.25	BH09_0.25-0.35	BH12_0.15-0.25	BH01_0.3-0.4	BH01_1.0-1.1
				[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]	[21-Aug-2015]
				ES1529109-037	ES1529109-038	ES1529109-039	ES1529109-040	ES1529109-041
				Result	Result	Result	Result	Result
EP074D: Fumigants - Continued								
trans-1.3-Dichloropropylene	10061-02-6	0.5	mg/kg	----	----	----	----	----
1.2-Dibromoethane (EDB)	106-93-4	0.5	mg/kg	----	----	----	----	----
EP074E: Halogenated Aliphatic Compounds								
Dichlorodifluoromethane	75-71-8	5	mg/kg	----	----	----	----	----
Chloromethane	74-87-3	5	mg/kg	----	----	----	----	----
Vinyl chloride	75-01-4	5	mg/kg	----	----	----	----	----
Bromomethane	74-83-9	5	mg/kg	----	----	----	----	----
Chloroethane	75-00-3	5	mg/kg	----	----	----	----	----
Trichlorofluoromethane	75-69-4	5	mg/kg	----	----	----	----	----
1.1-Dichloroethene	75-35-4	0.5	mg/kg	----	----	----	----	----
Iodomethane	74-88-4	0.5	mg/kg	----	----	----	----	----
trans-1.2-Dichloroethene	156-60-5	0.5	mg/kg	----	----	----	----	----
1.1-Dichloroethane	75-34-3	0.5	mg/kg	----	----	----	----	----
cis-1.2-Dichloroethene	156-59-2	0.5	mg/kg	----	----	----	----	----
1.1.1-Trichloroethane	71-55-6	0.5	mg/kg	----	----	----	----	----
1.1-Dichloropropylene	563-58-6	0.5	mg/kg	----	----	----	----	----
Carbon Tetrachloride	56-23-5	0.5	mg/kg	----	----	----	----	----
1.2-Dichloroethane	107-06-2	0.5	mg/kg	----	----	----	----	----
Trichloroethene	79-01-6	0.5	mg/kg	----	----	----	----	----
Dibromomethane	74-95-3	0.5	mg/kg	----	----	----	----	----
1.1.2-Trichloroethane	79-00-5	0.5	mg/kg	----	----	----	----	----
1.3-Dichloropropane	142-28-9	0.5	mg/kg	----	----	----	----	----
Tetrachloroethene	127-18-4	0.5	mg/kg	----	----	----	----	----
1.1.1.2-Tetrachloroethane	630-20-6	0.5	mg/kg	----	----	----	----	----
trans-1.4-Dichloro-2-butene	110-57-6	0.5	mg/kg	----	----	----	----	----
cis-1.4-Dichloro-2-butene	1476-11-5	0.5	mg/kg	----	----	----	----	----
1.1.2.2-Tetrachloroethane	79-34-5	0.5	mg/kg	----	----	----	----	----
1.2.3-Trichloropropane	96-18-4	0.5	mg/kg	----	----	----	----	----
Pentachloroethane	76-01-7	0.5	mg/kg	----	----	----	----	----
1.2-Dibromo-3-chloropropane	96-12-8	0.5	mg/kg	----	----	----	----	----
Hexachlorobutadiene	87-68-3	0.5	mg/kg	----	----	----	----	----
EP074F: Halogenated Aromatic Compounds								
Chlorobenzene	108-90-7	0.5	mg/kg	----	----	----	----	----
Bromobenzene	108-86-1	0.5	mg/kg	----	----	----	----	----