TEST PIT LOG

CLIENT: Coal & Allied Pty Ltd
PROJECT: Lower Hunter Land Development
LOCATION: Flowers Drive, Catherine Hill Bay

SURFACE LEVEL: --
EASTING: 371584
NORTHING: 6332131
DIP/AZIMUTH: 90°/--

PIT No: 31
PROJECT No: 39662C
DATE: 01 Aug 07
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Dynamic Penetrometer Test (blows per mm)
		FILLING - Generally comprising dark brown-black sandy silt / coal chitter (30%), some gravel, trace rootlets, damp		D,PID	0.2		<1ppm		
	0.4	FILLING - Generally comprising grey-light orange silty sandy clay with some gravel, trace coal, moist		D,PID	0.5		<1ppm		
	0.6	FILLING - Generally comprising dark brown-black sandy silt / coal chitter (60%) with some gravel, moist to wet		D,PID	0.7		<1ppm		
	0.75	CLAYEY SAND - Light grey clayey sand with trace gravel, fine to medium grained sand, wet		D,PID	0.8		<1ppm		
	1								1
	1.4	SILTY CLAY - Stiff, orange-brown-brown silty clay with some fine to coarse grained sand, trace gravel, M>Wp		D,pp	1.6		120-170 kPa		
	2	from 1.9m, very stiff to hard, grey-brown mottled orange-brown, M<Wp		D,pp	2.0		300->500 kPa		2
				D,pp	2.6		300-350 kPa		
	2.7	Pit discontinued at 2.7m. limit of investigation							
	3								3

RIG: 4WD Case 580 LE

LOGGED: Reid

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	PID	Photo ionisation detector
B	Bulk sample	S	Standard penetration test
U_x	Tube sample (x mm dia.)	PL	Point load strength Is(50) MPa
W	Water sample	V	Shear Vane (kPa)
C	Core drilling	▷	Water seep ⧭ Water level

CHECKED
Initials:
Date:

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TEST PIT LOG

CLIENT: Coal & Allied Pty Ltd
PROJECT: Lower Hunter Land Development
LOCATION: Flowers Drive, Catherine Hill Bay

SURFACE LEVEL: --
EASTING: 371602
NORTHING: 6331926
DIP/AZIMUTH: 90°/--

PIT No: 32
PROJECT No: 39662C
DATE: 06 Aug 07
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Dynamic Penetrometer Test (blows per mm)
	0.1	FILLING - Generally comprising dark brown fine to medium grained silty sand with trace rootlets, humid to damp		D,PID	0.05		<1ppm		
				D,PID	0.2		<1ppm		
	0.3	FILLING - Generally comprising dark brown-black coal chitter with some silt and sand, damp							
		FILLING - Generally comprising light orange-brown silty gravelly clay with some sand and coal chitter, M<Wp		D,PID	0.4		<1ppm		
	0.65	FILLING - Generally comprising fine to medium grained silty sand with some gravel, clay and coal chitter, damp		D,PID	0.8		<1ppm		
1	1.2	SILTY CLAY - Very stiff, orange-brown mottled red-brown silty clay, M>Wp		D,PID,pp	1.3		340-380 kPa, <1ppm		1
		from 1.4m, light grey mottled red-brown							
	1.8	SILTSTONE / CLAYSTONE - Extremely low strength, extremely weathered, light grey and light orange-brown siltstone / claystone							
2				D,pp	2.0				2
	2.5	Pit discontinued at 2.5m, slow progress							
3									3

RIG: 4WD Case 580 LE

LOGGED: Reid

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	PID	Photo ionisation detector
B	Bulk sample	S	Standard penetration test
U_x	Tube sample (x mm dia.)	PL	Point load strength Is(50) MPa
W	Water sample	V	Shear Vane (kPa)
C	Core drilling	▷	Water seep ⫧ Water level

CHECKED
Initials:
Date:

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TEST PIT LOG

CLIENT: Coal & Allied Pty Ltd
PROJECT: Lower Hunter Land Development
LOCATION: Flowers Drive, Catherine Hill Bay

SURFACE LEVEL: --
EASTING: 371646
NORTHING: 6332156
DIP/AZIMUTH: 90°/--

PIT No: 33
PROJECT No: 39662C
DATE: 06 Aug 07
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Dynamic Penetrometer Test (blows per mm)
	0.2	FILLING - Generally comprising dark brown fine to medium grained silty sand, slightly cemented with some gravel and coal chitter (approximately 20%), damp		D,PID	0.1		<1ppm		
	0.7	FILLING - Generally comprising light brown and orange-brown silty sandy clay with some gravel and coal chitter		D,PID	0.6		<1ppm		
1	1.1	FILLING - Generally comprising very stiff, light grey-brown and orange-brown sandy silty clay, slightly gravelly, M~Wp		D,PID,pp	0.8		350 kPa, <1ppm		1
	1.7	FILLING - Generally comprising dark brown-black coal chitter slightly silty, damp		D,PID	1.3		<1ppm		
2	2.2	FILLING - Generally comprising dark brown-black clayey silt with coal chitter approximately 15% and some gravel, damp		D,PID	1.8		<1ppm		2
	2.5	FILLING - Generally comprising (firm), light brown and orange-brown sandy silty clay, slightly gravelly, M~Wp		D,PID,pp	2.3		50-90 kPa, <1ppm		
		FILLING - Generally comprising grey-brown gravelly silty clay, M>Wp		D,PID	2.8		<1ppm	▽	
3	3.0	Pit discontinued at 3.0m, limit of investigation							3

RIG: 4WD Case 580 LE

LOGGED: Reid

WATER OBSERVATIONS: Seepage observed at 2.9m

REMARKS:

☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	PID	Photo ionisation detector
B	Bulk sample	S	Standard penetration test
U_x	Tube sample (x mm dia.)	PL	Point load strength Is(50) MPa
W	Water sample	V	Shear Vane (kPa)
C	Core drilling	▷	Water seep ▼ Water level

CHECKED	
Initials:	
Date:	

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TEST PIT LOG

CLIENT: Coal & Allied Pty Ltd
PROJECT: Lower Hunter Land Development
LOCATION: Flowers Drive, Catherine Hill Bay

SURFACE LEVEL: --
EASTING: 371694
NORTHING: 6332010
DIP/AZIMUTH: 90°/--

PIT No: 34
PROJECT No: 39662C
DATE: 06 Aug 07
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Dynamic Penetrometer Test (blows per mm)
		FILLING - Generally comprising dark brown and orange-brown silty sand with some sand, gravel and coal chitter, trace rootlets to 0.2m, M>Wp		D,PID	0.3		<1ppm		
		from 0.6m, moist to wet, M>>Wp							
	0.7	SILTY CLAY - Firm to stiff, grey-brown mottled orange-brown silty clay with some gravel, M>>Wp		D,PID,pp	0.8		80-100 kPa, <1ppm		
	1	from 1m, very stiff grading to sandstone		pp	1.0		200-250 kPa		1
	1.2	SANDSTONE - Extremely low to very low strength, extremely to highly weathered, light grey-brown and orange-brown fine to coarse grained sandstone		D	1.6				
		from 1.8m, very low to low strength							
	1.9	Pit discontinued at 1.9m, refusal							
	2								2
	3								3

RIG: 4WD Case 580 LE

LOGGED: Reid

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	PID	Photo ionisation detector
B	Bulk sample	S	Standard penetration test
U_x	Tube sample (x mm dia.)	PL	Point load strength Is(50) MPa
W	Water sample	V	Shear Vane (kPa)
C	Core drilling	▷	Water seep ⧗ Water level

CHECKED
Initials:
Date:

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TEST PIT LOG

CLIENT: Coal & Allied Pty Ltd
PROJECT: Lower Hunter Land Development
LOCATION: Flowers Drive, Catherine Hill Bay

SURFACE LEVEL: --
EASTING: 371710
NORTHING: 6332160
DIP/AZIMUTH: 90°/--

PIT No: 35
PROJECT No: 39662C
DATE: 06 Aug 07
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Dynamic Penetrometer Test (blows per mm)
		FILLING - Generally comprising dark brown-black coal chitter, slightly silty and sandy		D,PID	0.2		<1ppm		
	0.35	FILLING - Generally comprising, grey fine to medium grained silty sand with some coal chitter, damp		D,PID	0.4		<1ppm		
	0.5	FILLING - Generally comprising dark brown fine to coarse grained silty sand with some gravel, wet		D,PID	0.8		<1ppm	▼	
	1	from 0.9m, saturated							1
	1.2	SILTY CLAY - Soft to firm, dark brown mottled red-brown silty clay with some gravel and sand, trace organics, M>Wp		D,PID,pp	1.3		40-80 kPa, <1ppm		
	1.7	SILTY CLAY - Stiff, orange-brown silty clay with some gravel, M>Wp		D,pp	1.8		100-150 kPa		
	2								2
	2.1	SILTY CLAY - Stiff to very stiff, light grey-brown silty clay with trace sand, M>Wp		D,pp	2.3		200-250 kPa		
				D,pp	2.9		180-200 kPa		
	3 3.0	Pit discontinued at 3.0m, limit of investigation							3

RIG: 4WD Case 580 LE

LOGGED: Reid

WATER OBSERVATIONS: Free groundwater observed at 0.9m

REMARKS:

☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	PID	Photo ionisation detector
B	Bulk sample	S	Standard penetration test
U_x	Tube sample (x mm dia.)	PL	Point load strength Is(50) MPa
W	Water sample	V	Shear Vane (kPa)
C	Core drilling	▷	Water seep ▼ Water level

CHECKED
Initials:
Date:

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TEST PIT LOG

CLIENT: Coal & Allied Pty Ltd
PROJECT: Lower Hunter Land Development
LOCATION: Flowers Drive, Catherine Hill Bay

SURFACE LEVEL: --
EASTING: 371721
NORTHING: 6332150
DIP/AZIMUTH: 90°/--

PIT No: 36
PROJECT No: 39662C
DATE: 06 Aug 07
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Dynamic Penetrometer Test (blows per mm)
		FILLING - Generally comprising dark brown-black coal chitter, slightly silty and sandy, damp		D,PID	0.3		<1ppm		
				B	0.5		<1ppm		
				D,PID	0.8		<1ppm		
	1								1
				D,PID	1.3		<1ppm		
				D,PID	1.8		<1ppm		
	2								2
		from 2.2m, wet		D,PID	2.3		<1ppm		
	2.4	FILLING - Generally comprising soft, dark brown-black clayey silt with 15% coal chitter and some sand, slight hydrocarbon odour, moist to wet		D,PID,pp	2.5		25-50 kPa, <1ppm		
	2.8	Pit discontinued at 2.8m, due to continual collapse							
	3								3

RIG: 4WD Case 580 LE

LOGGED: Reid

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	PID	Photo ionisation detector
B	Bulk sample	S	Standard penetration test
U_x	Tube sample (x mm dia.)	PL	Point load strength Is(50) MPa
W	Water sample	V	Shear Vane (kPa)
C	Core drilling	▷	Water seep ⧗ Water level

CHECKED
Initials:
Date:

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TEST PIT LOG

CLIENT: Coal & Allied Pty Ltd
PROJECT: Lower Hunter Land Development
LOCATION: Flowers Drive, Catherine Hill Bay

SURFACE LEVEL: --
EASTING: 371780
NORTHING: 6332067
DIP/AZIMUTH: 90°/--

PIT No: 37
PROJECT No: 39662C
DATE: 07 Aug 07
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Dynamic Penetrometer Test (blows per mm)
		FILLING - Generally comprising dark brown-black sandy silt / coal chitter, damp		D,PID	0.2		<1ppm		
				D,PID	0.7		<1ppm		
	1								1
				D,PID	1.2		<1ppm		
	1.3	SILTY CLAY - Soft to firm, dark brown mottled orange-brown silty clay with abundant organics, M>Wp (possibly filling)		D,pp	1.5		40-50 kPa	▷	
	2	from 2m, stiff		D,pp	2.0		100-150 kPa	▼	2
				D,pp	2.5		100-150 kPa		
				D,pp	2.9		150 kPa		
	3 3.0	Pit discontinued at 3.0m, limit of investigation							3

Dynamic Penetrometer Test (blows per mm): 5 10 15 20

RIG: 4WD Case 580 LE

LOGGED: Reid

WATER OBSERVATIONS: Seepage at 1.5m, free groundwater observed at 2m at end of hole

REMARKS:

☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	PID	Photo ionisation detector
B	Bulk sample	S	Standard penetration test
U_x	Tube sample (x mm dia.)	PL	Point load strength Is(50) MPa
W	Water sample	V	Shear Vane (kPa)
C	Core drilling	▷	Water seep ▼ Water level

CHECKED
Initials:
Date:

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TEST PIT LOG

CLIENT: Coal & Allied Pty Ltd
PROJECT: Lower Hunter Land Development
LOCATION: Flowers Drive, Catherine Hill Bay

SURFACE LEVEL: --
EASTING: 371816
NORTHING: 6332139
DIP/AZIMUTH: 90°/--

PIT No: 38
PROJECT No: 39662C
DATE: 07 Aug 07
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Dynamic Penetrometer Test (blows per mm)
		FILLING - Generally comprising dark brown-black fine to medium grained silty sand / coal chitter (2mm to 15mm), (approximately 50%)		D,PID	0.3		<1ppm		
		from 0.4m, approximately 70%-80% coal chitter		D,PID	0.8		<1ppm		
1	1.0	SILTY CLAY - Firm to stiff, light grey-brown silty clay, trace organics, M>Wp		D,PID,pp	1.2		90-100 kPa, <1ppm		1
	1.65	SANDY CLAY - Stiff, light grey sandy clay with trace gravel, M>Wp		D,pp	1.7		140-160 kPa		
2		from 2.2m, stiff to very stiff, grey and orange-brown		D,pp	2.2		190-340 kPa		2
	2.5	SILTY CLAY - Very stiff, grey and orange-brown silty clay with trace sand, M~Wp		D,pp	2.7		280-350 kPa		
3	3.0	Pit discontinued at 3.0m, limit of investigation							3

RIG: 4WD Case 580 LE

LOGGED: Reid

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	PID	Photo ionisation detector
B	Bulk sample	S	Standard penetration test
U_x	Tube sample (x mm dia.)	PL	Point load strength Is(50) MPa
W	Water sample	V	Shear Vane (kPa)
C	Core drilling	▷	Water seep ⊻ Water level

CHECKED
Initials:
Date:

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TEST PIT LOG

CLIENT: Coal & Allied Pty Ltd
PROJECT: Lower Hunter Land Development
LOCATION: Flowers Drive, Catherine Hill Bay

SURFACE LEVEL: --
EASTING: 371816
NORTHING: 6332204
DIP/AZIMUTH: 90°/--

PIT No: 39
PROJECT No: 39662C
DATE: 07 Aug 07
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Dynamic Penetrometer Test (blows per mm)
	0.1	FILLING - Generally comprising brown fine to medium grained silty sand with trace rootlets		D,PID	0.05		<1ppm		
		FILLING - Generally comprising dark brown-black coal chitter (mainly coal), with trace sand, silt and gravel, damp		D,PID	0.5		<1ppm		
				B	0.7				
	1			D,PID	1.0		<1ppm		1
	1.1	FILLING - Generally comprising grey-brown and orange-brown fine to coarse grained clayey silty sand with some gravel and coal chitter, wet		D,PID	1.2		<1ppm		
	1.4	SANDY SILTY CLAY - Very stiff, grey mottled orange and red-brown sandy silty clay with trace gravel, M<Wp		D,pp	1.5		230-270 kPa		
	2								2
		from 2.3m, stiff to very stiff		D,pp	2.5		150-200 kPa		
	3								3
	3.0	Pit discontinued at 3.0m, limit of investigation							

Dynamic Penetrometer Test (blows per mm): 5, 10, 15, 20

RIG: 4WD Case 580 LE

LOGGED: Reid

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	PID	Photo ionisation detector
B	Bulk sample	S	Standard penetration test
U_x	Tube sample (x mm dia.)	PL	Point load strength Is(50) MPa
W	Water sample	V	Shear Vane (kPa)
C	Core drilling	▷	Water seep ⊻ Water level

CHECKED
Initials:
Date:

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TEST PIT LOG

CLIENT: Coal & Allied Pty Ltd
PROJECT: Lower Hunter Land Development
LOCATION: Flowers Drive, Catherine Hill Bay

SURFACE LEVEL: --
EASTING: 371816
NORTHING: 6332252
DIP/AZIMUTH: 90°/--

PIT No: 40
PROJECT No: 39662C
DATE: 07 Aug 07
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Dynamic Penetrometer Test (blows per mm)
	0.1	FILLING - Generally comprising orange-brown silty clay with trace sand and coal chitter and rootlets, M>Wp							
		FILLING - Generally comprising dark brown-black coal chitter with trace sand and silt, damp		D,PID	0.2		<1ppm		
	0.3	FILLING - Generally comprising dark grey-brown sandy silt with trace gravel, clay and coal chitter, damp to moist							
				D,PID	0.6		<1ppm		
	0.8	SILTY CLAYEY GRAVEL - Brown mottled orange-brown subrounded silty clayey gravel, moist							
1				D,PID	1.0		<1ppm		1
	1.3	SILTY CLAY - Very stiff, grey mottled orange-brown silty clay, slightly gravelly, M<Wp							
				D,pp	1.5		230 kPa		
2									2
				D,pp	2.5		250 kPa		
3	3.0	Pit discontinued at 3.0m, limit of investigation							3

Dynamic Penetrometer Test (blows per mm): 5, 10, 15, 20

RIG: 4WD Case 580 LE

LOGGED: Reid

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	PID	Photo ionisation detector
B	Bulk sample	S	Standard penetration test
U_x	Tube sample (x mm dia.)	PL	Point load strength Is(50) MPa
W	Water sample	V	Shear Vane (kPa)
C	Core drilling	▷	Water seep ⧭ Water level

CHECKED
Initials:
Date:

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TEST PIT LOG

CLIENT: Coal & Allied Pty Ltd
PROJECT: Lower Hunter Land Development
LOCATION: Flowers Drive, Catherine Hill Bay

SURFACE LEVEL: --
EASTING: 371878
NORTHING: 6332106
DIP/AZIMUTH: 90°/--

PIT No: 41
PROJECT No: 39662C
DATE: 07 Aug 07
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Dynamic Penetrometer Test (blows per mm) 5 10 15 20
		FILLING - Generally comprising dark brown-black sandy silt with 30% coal chitter, some gravel and trace rootlets, damp		D,PID	0.1		<1ppm		
	0.2	FILLING - Generally comprising dark brown-black coal chitter, damp		D,PID	0.6		<1ppm		
	0.9	SILTY CLAY - Stiff, dark brown silty clay with abundant organics, M>Wp		D,PID,pp	1.1		150-170 kPa, <1ppm		
1	1.2	SILTY CLAYEY SAND - Grey fine to coarse grained silty clayey sand with some gravel, moist		D,pp	1.6				1
2				D	2.1				2
		from 2.7m, grading to silty sandy clay		D	2.6				
				D,pp	2.9		150 kPa		
3	3.0	Pit discontinued at 3.0m, limit of investigation							3

RIG: 4WD Case 580 LE

LOGGED: Reid

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	PID	Photo ionisation detector
B	Bulk sample	S	Standard penetration test
U_x	Tube sample (x mm dia.)	PL	Point load strength Is(50) MPa
W	Water sample	V	Shear Vane (kPa)
C	Core drilling	▷	Water seep ⊻ Water level

CHECKED
Initials:
Date:

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TEST PIT LOG

CLIENT: Coal & Allied Pty Ltd
PROJECT: Lower Hunter Land Development
LOCATION: Flowers Drive, Catherine Hill Bay

SURFACE LEVEL: --
EASTING: 371890
NORTHING: 6332159
DIP/AZIMUTH: 90°/--

PIT No: 42
PROJECT No: 39662C
DATE: 07 Aug 07
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Dynamic Penetrometer Test (blows per mm)
		FILLING - Generally comprising dark brown-black coal chitter with trace silt, sand and rootlets, humid		D,PID	0.3		<1ppm		
	0.4	FILLING - Generally comprising brown and dark brown silty clay, slightly sand with some subangualr gravel, coal chitter and sandstone rock fragments (10mm to 100mm), M<Wp		D,PID	0.8		<1ppm		
	0.9	FILLING - Generally comprising dark brown-black coal chitter with some train rails, damp		D,PID	1.2		<1ppm		
	1.3	SILTY CLAY - Very soft to soft silty clay with trace organics, M>Wp		D,pp	1.4		<25 kPa		
	1.6	GRAVELLY SILTY CLAY - Very stiff to hard, grey and red-brown gravelly silty clay, M<Wp		D,pp	2.0		350->450 kPa		
	2.2	Pit discontinued at 2.2m, due to historical remains							

1 2 3

RIG: 4WD Case 580 LE

LOGGED: Reid

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	PID	Photo ionisation detector
B	Bulk sample	S	Standard penetration test
U_x	Tube sample (x mm dia.)	PL	Point load strength Is(50) MPa
W	Water sample	V	Shear Vane (kPa)
C	Core drilling	▷	Water seep ⊻ Water level

CHECKED
Initials:
Date:

Douglas Partners
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TEST PIT LOG

CLIENT: Coal & Allied Pty Ltd
PROJECT: Lower Hunter Land Development
LOCATION: Flowers Drive, Catherine Hill Bay

SURFACE LEVEL: --
EASTING: 372032
NORTHING: 6332381
DIP/AZIMUTH: 90°/--

PIT No: 43
PROJECT No: 39662C
DATE: 07 Aug 07
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Dynamic Penetrometer Test (blows per mm) 5 10 15 20
		FILLING - Generally comprising dark brown fine to coarse grained silty sand with trace coal, gravel and glass, humid		D,PID	0.1		<1ppm		
	0.4	SILTY CLAY - Very stiff, light cream-brown silty clay, M<Wp		D,pp	0.5		370 kPa		
	0.8	CLAYSTONE - Extremely low to low strength, extremely to moderately weathered, light cream-brown claystone		D	0.9				
	1								1
	1.3	Pit discontinued at 1.3m, refusal							
	2								2
	3								3

RIG: 4WD Case 580 LE

LOGGED: Reid

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	PID	Photo ionisation detector
B	Bulk sample	S	Standard penetration test
U_x	Tube sample (x mm dia.)	PL	Point load strength Is(50) MPa
W	Water sample	V	Shear Vane (kPa)
C	Core drilling	▷	Water seep ⧭ Water level

CHECKED
Initials:
Date:

Douglas Partners
Geotechnics · Environment · Groundwater

TEST PIT LOG

CLIENT: Coal & Allied Pty Ltd
PROJECT: Lower Hunter Land Development
LOCATION: Flowers Drive, Catherine Hill Bay

SURFACE LEVEL: --
EASTING: 371961
NORTHING: 6332198
DIP/AZIMUTH: 90°/--

PIT No: 44
PROJECT No: 39662C
DATE: 07 Aug 07
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Dynamic Penetrometer Test (blows per mm)
	0.05	FILLING - Generally comprising brown fine to medium grained silty sand with trace rootlets, damp							
		FILLING - Generally comprising, light orange-brown fine to coarse grained silty clayey subrounded gravel with some sand and trace rootlets, damp		D,PID	0.4		<1ppm		
	0.7	FILLING - Generally comprising dark brown-black coal chitter, slightly silty and sandy, damp		D,PID	0.9		<1ppm		
1	1.2	SILTY SANDY CLAY - Stiff, grey-brown silty sandy clay with some organics, M>Wp		D,pp	1.3		140 kPa		
	1.5	SILTY CLAY - Very soft to soft, light grey-brown silty clay, slightly sandy, M>>Wp		D,pp	1.6		<25 kPa		
	1.7	SILTY CLAY - Stiff to very stiff, orange-brown mottled grey silty clay with some ironcemented sand and gravel, M<Wp							
2				D,pp	2.1		140-220 kPa		
				D,pp	2.9		250 kPa		
3	3.0	Pit discontinued at 3.0m, limit of investigation							

RIG: 4WD Case 580 LE

LOGGED: Reid

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	PID	Photo ionisation detector
B	Bulk sample	S	Standard penetration test
U_x	Tube sample (x mm dia.)	PL	Point load strength Is(50) MPa
W	Water sample	V	Shear Vane (kPa)
C	Core drilling	▷	Water seep ⧭ Water level

CHECKED
Initials:
Date:

Douglas Partners
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TEST PIT LOG

CLIENT: Coal & Allied Pty Ltd
PROJECT: Lower Hunter Land Development
LOCATION: Flowers Drive, Catherine Hill Bay

SURFACE LEVEL: --
EASTING: 371582
NORTHING: 6332164
DIP/AZIMUTH: 90°/--

PIT No: 65
PROJECT No: 39662C
DATE: 01 Aug 07
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Dynamic Penetrometer Test (blows per mm)
		FILLING - Generally comprising dark brown-black sandy silt / coal chitter (20%), some subrounded gravel and rootlets, wet		D,PID	0.2		<1ppm		
		metal railway spur at 0.4m							
	0.5	FILLING - Very soft, brown silty clay / clayey silt, abundant rootlets, M>>Wp						▽	
	0.6	CLAYEY SILT - Very soft, dark grey clayey silt with abundant organics and some sand, M>>Wp		D,PID	0.7		<1ppm		
				D,pp	0.8		<25 kPa		
	1								1
		from 1.4m, grading to grey brown mottled brown silty clay		D,pp	1.4		<25 kPa		
		from 1.8m, firm to stiff, some sand							
	2			D,pp	2.0		80-110 kPa		2
				D,pp	2.5		100-150 kPa		
				D,pp	2.9		50-100 kPa		
	3								3
	3.0	Pit discontinued at 3.0m, limit of investigation							

RIG: 4WD Case 580 LE

LOGGED: Reid

WATER OBSERVATIONS: Seepage at 0.5m

REMARKS:

☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	PID	Photo ionisation detector
B	Bulk sample	S	Standard penetration test
U_x	Tube sample (x mm dia.)	PL	Point load strength Is(50) MPa
W	Water sample	V	Shear Vane (kPa)
C	Core drilling	▷	Water seep ▼ Water level

CHECKED	
Initials:	
Date:	

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TEST PIT LOG

CLIENT: Coal & Allied Pty Ltd
PROJECT: Lower Hunter Land Development
LOCATION: Flowers Drive, Catherine Hill Bay

SURFACE LEVEL: --
EASTING: 371270
NORTHING: 6332091
DIP/AZIMUTH: 90°/--

PIT No: 66
PROJECT No: 39662C
DATE: 31 Jul 07
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Dynamic Penetrometer Test (blows per mm)
		FILLING - Generally comprising dark brown-black sandy silt, coal chitter with trace rootlets to 0.2m, humid		D,PID	0.25		<1ppm		
	0.35			D,PID	0.37		<1ppm		
	0.4	FILLING - Generally comprising grey-brown fine to medium grained silty sand with trace gravel, damp		D,PID,pp	0.5		250-380 kPa, <1ppm		
		SILTY CLAY - Very stiff to hard, orange mottled red-brown silty clay, M>Wp							
	1								1
		from 1.2m, light grey mottled red-brown		D,pp	1.3		360->450 kPa		
				D,pp	1.9		350->450 kPa		
	2								2
		from 2.7m, grading to claystone		D	2.7				
	3								3
	3.0	Pit discontinued at 3.0m, limit of investigation							

RIG: 4WD Case 580 LE

LOGGED: Reid

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	PID	Photo ionisation detector
B	Bulk sample	S	Standard penetration test
U_x	Tube sample (x mm dia.)	PL	Point load strength Is(50) MPa
W	Water sample	V	Shear Vane (kPa)
C	Core drilling	▷	Water seep ⫧ Water level

CHECKED
Initials:
Date:

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TEST PIT LOG

CLIENT: Coal & Allied Pty Ltd
PROJECT: Lower Hunter Land Development
LOCATION: Flowers Drive, Catherine Hill Bay

SURFACE LEVEL: --
EASTING: 371480
NORTHING: 6332124
DIP/AZIMUTH: 90°/--

PIT No: 67
PROJECT No: 39662C
DATE: 01 Aug 07
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Dynamic Penetrometer Test (blows per mm)
		FILLING - Generally comprising dark brown-black sandy silt / coal chitter (30%-40%) with trace rootlets to 0.2m, damp		D,PID	0.05		<1ppm		
				D,PID	0.3		<1ppm		
	0.4	GRAVELLY SAND - Light brown fine to medium grained gravelly sand, damp		D,PID	0.5		<1ppm		
	0.65								
	0.7	PEBBLY SANDSTONE - Extremely low to very low strength, extremely to moderately weathered, light brown fine to medium grained pebbly sandstone		D	0.7				
		Pit discontinued at 0.7m, refusal							
	1								1
	2								2
	3								3

Dynamic Penetrometer Test (blows per mm): 5, 10, 15, 20

RIG: 4WD Case 580 LE

LOGGED: Reid

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	PID	Photo ionisation detector
B	Bulk sample	S	Standard penetration test
U_x	Tube sample (x mm dia.)	PL	Point load strength Is(50) MPa
W	Water sample	V	Shear Vane (kPa)
C	Core drilling	▷	Water seep ⧭ Water level

CHECKED	
Initials:	
Date:	

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TEST PIT LOG

CLIENT: Coal & Allied Pty Ltd
PROJECT: Lower Hunter Land Development
LOCATION: Flowers Drive, Catherine Hill Bay

SURFACE LEVEL: --
EASTING: 371513
NORTHING: 6332034
DIP/AZIMUTH: 90°/--

PIT No: 68
PROJECT No: 39662C
DATE: 02 Aug 07
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Dynamic Penetrometer Test (blows per mm)
	0.05	FILLING - Generally comprising black slag with some gravel, dry to humid		D,PID	0.02		<1ppm		
		FILLING - Generally comprising light brown clayey sandy gravelly silt with trace coal, damp to moist		D,PID	0.2		<1ppm		
	0.35	FILLING - Generally comprising dark brown-black silty sandy cobbles / coal and coal chitter (80%), humid		D,PID	0.7		<1ppm		
	1.1	Pit discontinued at 1.1m, due to continual collapse							

RIG: 4WD Case 580 LE

LOGGED: Reid

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	PID	Photo ionisation detector
B	Bulk sample	S	Standard penetration test
U_x	Tube sample (x mm dia.)	PL	Point load strength Is(50) MPa
W	Water sample	V	Shear Vane (kPa)
C	Core drilling	▷	Water seep ⫧ Water level

CHECKED
Initials:
Date:

Douglas Partners
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APPENDIX B

LABORATORY TEST RESULTS

31 August 2007 **TEST REPORT**

Douglas Partners Pty Ltd
Box 324
Hunter Region Mail Centre
NSW 2310

Your Reference: 39662C, Catherine Hill Bay
Report Number: 54460-R

Attention: Colin Reid

Dear Colin
The following samples were received from you on the date indicated.

Samples: Qty.	86 Soils, 1 fibro Sample
Date of Receipt of Samples:	14/08/07
Date of Receipt of Instructions:	14/08/07 & 16/08/07
Date Preliminary Report Emailed:	Not Issued

These samples were analysed in accordance with your written instructions.
A copy of the instructions is attached with the analytical report.

The results and associated quality control are contained in the following pages of this report.
Unless otherwise stated, solid samples are expressed on a dry weight basis (moisture has been supplied for your information only), air and liquid samples as received.

Should you have any queries regarding this report please contact the undersigned.

This report cancels and supersedes Report No. 54460 issued by SGS Environmental Services.
Yours faithfully
SGS ENVIRONMENTAL SERVICES

Ly Kim Ha
Senior Organic Chemist

Edward Ibrahim
Laboratory Services Manager

Alexandra Stenta
Key Account Representative

SGS Australia Pty Ltd | Environmental Services Unit 16, 33 Maddox Street, Alexandria Australia

TRH/BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-1 Pit1/1.2 soil 31/07/2007	54460-R-2 Pit2/0.05 soil 31/07/2007	54460-R-3 Pit3/0.5 soil 31/07/2007	54460-R-4 Pit4/0.05 soil 31/07/2007	54460-R-5 Pit5/0.05 soil 31/07/2007
TRH C_6 - C_9 P&T	mg/kg	<20	<20	<20	<20	<20
TRH C_{10} - C_{14}	mg/kg	33	<20	38	30	<20
TRH C_{15} - C_{28}	mg/kg	260	86	310	270	<50
TRH C_{29} - C_{36}	mg/kg	98	73	140	150	<50
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	91	87	88	86	88

TRH/BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-6 Pit6/0.1 soil 31/07/2007	54460-R-7 Pit7/0.1 soil 31/07/2007	54460-R-8 Pit8/1.0 soil 31/07/2007	54460-R-9 Pit8/2.7 soil 31/07/2007	54460-R-10 Pit9/0.2 soil 6/08/2007
TRH C_6 - C_9 P&T	mg/kg	<20	<20	<20	<20	<20
TRH C_{10} - C_{14}	mg/kg	50	<20	<20	22	<20
TRH C_{15} - C_{28}	mg/kg	350	97	<50	160	200
TRH C_{29} - C_{36}	mg/kg	140	75	<50	80	130
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	87	87	84	87	81

TRH/BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-11 Pit10/1.1 soil 2/08/2007	54460-R-12 Pit11/0.4 soil 31/07/2007	54460-R-13 Pit12/0.7 soil 2/08/2007	54460-R-14 Pit13/0.1 soil 2/08/2007	54460-R-15 Pit13A/0.35 soil 2/08/2007
TRH C_6 - C_9 P&T	mg/kg	<20	<20	<20	<20	<20
TRH C_{10} - C_{14}	mg/kg	<20	<20	<20	72	<20
TRH C_{15} - C_{28}	mg/kg	<50	<50	190	1,200	760
TRH C_{29} - C_{36}	mg/kg	<50	<50	99	1,100	640
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	73	79	78	77	88

TRH/BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS --- ---	54460-R-16 Pit14/0.3 soil 1/08/2007	54460-R-17 Pit15/0.1 soil 31/07/2007	54460-R-18 Pit16/0.2 soil 2/08/2007	54460-R-19 Pit17/1.9 soil 2/08/2007	54460-R-20 Pit18/0.15 soil 2/08/2007
TRH C_6 - C_9 P&T	mg/kg	<20	<20	<20	<20	<20
TRH C_{10} - C_{14}	mg/kg	<20	<20	<20	78	26
TRH C_{15} - C_{28}	mg/kg	<50	<50	<50	920	450
TRH C_{29} - C_{36}	mg/kg	<50	<50	<50	590	1,200
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	83	90	82	97	84

TRH/BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS --- ---	54460-R-23 Pit19/0.7 soil 1/08/2007	54460-R-24 Pit20/0.1 soil 6/08/2007	54460-R-25 Pit21/0.05 soil 2/08/2007	54460-R-26 Pit22/0.3 soil 2/08/2007	54460-R-27 Pit22/2.8 soil 2/08/2007
TRH C_6 - C_9 P&T	mg/kg	<20	<20	<20	<20	<20
TRH C_{10} - C_{14}	mg/kg	<100	<20	<20	<20	<20
TRH C_{15} - C_{28}	mg/kg	840	<50	340	<50	<50
TRH C_{29} - C_{36}	mg/kg	2,000	100	690	61	<50
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	70	91	95	87	88

TRH/BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS --- ---	54460-R-28 Pit23/0.9 soil 3/08/2007	54460-R-29 Pit24/0.6 soil 2/08/2007	54460-R-30 Pit25/0.5 soil 3/08/2007	54460-R-31 Pit26/0.3 soil 1/08/2007	54460-R-32 Pit27/0.05 soil 3/08/2007
TRH C_6 - C_9 P&T	mg/kg	<20	<20	<20	<20	<20
TRH C_{10} - C_{14}	mg/kg	<20	42	36	57	<20
TRH C_{15} - C_{28}	mg/kg	<50	860	420	530	<50
TRH C_{29} - C_{36}	mg/kg	100	650	270	320	<50
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	88	87	95	93	94

TRH/BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS --- ---	54460-R-33 Pit28/0.15 soil 1/08/2007	54460-R-34 Pit28/1.4 soil 1/08/2007	54460-R-35 Pit29/0.3 soil 3/08/2007	54460-R-36 Pit30/0.05 soil 1/08/2007	54460-R-37 Pit31/0.7 soil 1/08/2007
TRH C_6 - C_9 P&T	mg/kg	<20	<20	<20	<20	<20
TRH C_{10} - C_{14}	mg/kg	<20	<20	<20	<20	<20
TRH C_{15} - C_{28}	mg/kg	160	160	<50	<50	230
TRH C_{29} - C_{36}	mg/kg	100	130	<50	<50	130
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	97	99	101	104	93

TRH/BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS --- ---	54460-R-38 Pit32/0.2 soil 6/08/2007	54460-R-39 Pit33/0.1 soil 6/08/2007	54460-R-40 Pit33/1.3 soil 6/08/2007	54460-R-41 Pit33/2.8 soil 6/08/2007	54460-R-42 Pit34/0.3 soil 6/08/2007
TRH C_6 - C_9 P&T	mg/kg	<20	<20	<20	<20	<20
TRH C_{10} - C_{14}	mg/kg	<20	<20	<20	<20	<20
TRH C_{15} - C_{28}	mg/kg	89	<50	290	<50	<50
TRH C_{29} - C_{36}	mg/kg	<50	<50	240	<50	<50
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	97	99	105	103	107

TRH/BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS --- ---	54460-R-43 Pit23/0.02 soil 3/08/2007	54460-R-44 Pit36/0.8 soil 6/08/2007	54460-R-45 Pit36/2.5 soil 6/08/2007	54460-R-46 Pit37/1.2 soil 7/08/2007	54460-R-47 Pit38/0.3 soil 7/08/2007
TRH C_6 - C_9 P&T	mg/kg	<20	<20	<20	<20	<20
TRH C_{10} - C_{14}	mg/kg	<20	41	23	<20	22
TRH C_{15} - C_{28}	mg/kg	<50	420	2,100	300	200
TRH C_{29} - C_{36}	mg/kg	<50	180	1,800	140	91
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	104	86	91	96	84

TRH/BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS --- ---	54460-R-48 Pit39/0.05 soil 7/08/2007	54460-R-49 Pit39/1.0 soil 7/08/2007	54460-R-50 Pit40/0.6 soil 7/08/2007	54460-R-51 Pit41/0.6 soil 7/08/2007	54460-R-52 Pit42/0.3 soil 7/08/2007
TRH C_6 - C_9 P&T	mg/kg	<20	<20	<20	<20	<20
TRH C_{10} - C_{14}	mg/kg	<20	<20	<20	<20	<20
TRH C_{15} - C_{28}	mg/kg	<50	<50	<50	65	55
TRH C_{29} - C_{36}	mg/kg	<50	<50	<50	<50	<50
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	91	100	99	88	101

TRH/BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS --- ---	54460-R-53 Pit43/0.1 soil 7/08/2007	54460-R-54 Pit44/0.9 soil 7/08/2007	54460-R-55 Pit45/0.1 soil 7/08/2007	54460-R-56 Pit46/0.2 soil 7/08/2007	54460-R-57 Pit47/0.2 soil 7/08/2007
TRH C_6 - C_9 P&T	mg/kg	<20	<20	<20	<20	<20
TRH C_{10} - C_{14}	mg/kg	<20	<20	<20	<20	<20
TRH C_{15} - C_{28}	mg/kg	<50	<50	<50	<50	130
TRH C_{29} - C_{36}	mg/kg	<50	<50	<50	<50	62
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	97	90	82	92	91

TRH/BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS --- ---	54460-R-58 Pit48/0.4 soil 7/08/2007	54460-R-59 Pit49/0.4 soil 8/08/2007	54460-R-60 Pit50/0.3 soil 8/08/2007	54460-R-61 Pit52/0.1 soil 8/08/2007	54460-R-62 Pit53/0.1 soil 8/08/2007
TRH C_6 - C_9 P&T	mg/kg	<20	<20	<20	<20	<20
TRH C_{10} - C_{14}	mg/kg	<20	<20	<20	<20	<20
TRH C_{15} - C_{28}	mg/kg	140	<50	<50	<50	<50
TRH C_{29} - C_{36}	mg/kg	52	<50	<50	<50	<50
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	84	80	83	101	101

TRH/BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS --- ---	54460-R-63 Pit32/0.8 soil 6/08/2007	54460-R-64 Pit61/0.3 soil 8/08/2007	54460-R-65 Pit63/0.1 soil 8/08/2007	54460-R-66 Pit65/0.2 soil 1/08/2007	54460-R-67 Pit66/0.25 soil 31/07/2007
TRH C_6 - C_9 P&T	mg/kg	<20	<20	<20	<20	<20
TRH C_{10} - C_{14}	mg/kg	<20	<20	<20	<20	<20
TRH C_{15} - C_{28}	mg/kg	<50	76	<50	<50	53
TRH C_{29} - C_{36}	mg/kg	<50	<50	<50	<50	<50
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	99	92	92	78	88

TRH/BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS --- --- 	54460-R-68 Pit67/0.05 soil 1/08/2007	54460-R-69 Pit68/0.02 soil 2/08/2007	54460-R-70 Bore101/1.0 soil 9/08/2007	54460-R-71 Bore101/2.5-2.95 soil 9/08/2007	54460-R-72 Bore102/0.2 soil 9/08/2007
TRH C_6 - C_9 P&T	mg/kg	<20	<20	<20	<20	<20
TRH C_{10} - C_{14}	mg/kg	20	<20	<20	<20	<20
TRH C_{15} - C_{28}	mg/kg	140	<50	<50	<50	58
TRH C_{29} - C_{36}	mg/kg	<50	<50	<50	<50	180
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	82	92	85	66	73

TRH/BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS --- --- 	54460-R-73 Bore102/1.0 soil 9/08/2007	54460-R-74 Bore102/2.5-2.95 soil 9/08/2007	54460-R-75 Bore103/0.1 soil 9/08/2007	54460-R-76 Bore103/1.0-1.45 soil 9/08/2007	54460-R-77 Bore106/0.1 soil 9/08/2007
TRH C_6 - C_9 P&T	mg/kg	<20	<20	<20	<20	<20
TRH C_{10} - C_{14}	mg/kg	<20	<20	<20	<20	<20
TRH C_{15} - C_{28}	mg/kg	<50	52	<50	63	130
TRH C_{29} - C_{36}	mg/kg	<50	56	<50	80	73
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	91	78	74	71	81

TRH/BTEX in Soil **Our Reference:** **Your Reference** **Sample Type** **Date Sampled**	**UNITS** ----------	**54460-R-78** **Bore107/0.1** **soil** **10/08/2007**	**54460-R-79** **Bore108/1.0** **soil** **10/08/2007**	**54460-R-80** **D9** **soil** **1/08/2007**	**54460-R-81** **D11** **soil** **2/08/2007**	**54460-R-82** **D13** **soil** **2/08/2007**
TRH C_6 - C_9 P&T	mg/kg	<20	<20	<20	<20	<20
TRH C_{10} - C_{14}	mg/kg	<20	<20	<20	42	<20
TRH C_{15} - C_{28}	mg/kg	190	<50	900	590	<50
TRH C_{29} - C_{36}	mg/kg	170	87	1,800	490	<50
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	66	75	72	74	79

TRH/BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----------	54460-R-83 D14 soil 2/08/2007	54460-R-84 D18 soil 6/08/2007	54460-R-85 D21 soil 7/08/2007	54460-R-86 D24 soil 7/08/2007	54460-R-87 D101 soil 9/08/2007
TRH C_6 - C_9 P&T	mg/kg	<20	<20	<20	<20	<20
TRH C_{10} - C_{14}	mg/kg	<20	<20	28	43	<20
TRH C_{15} - C_{28}	mg/kg	<50	<50	250	340	<50
TRH C_{29} - C_{36}	mg/kg	<50	<50	100	160	<50
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	88	79	85	85	93

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-1 Pit1/1.2 soil 31/07/2007	54460-R-2 Pit2/0.05 soil 31/07/2007	54460-R-3 Pit3/0.5 soil 31/07/2007	54460-R-4 Pit4/0.05 soil 31/07/2007	54460-R-5 Pit5/0.05 soil 31/07/2007
Naphthalene	mg/kg	0.1	0.1	0.3	0.4	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	1.8	1.0	2.5	2.7	<0.1
Anthracene	mg/kg	0.1	<0.1	0.1	0.2	<0.1
Fluoranthene	mg/kg	1.0	0.4	1.3	1.3	<0.1
Pyrene	mg/kg	0.5	0.2	0.7	0.7	<0.1
Benzo[*a*]anthracene	mg/kg	0.4	0.2	0.6	0.6	<0.1
Chrysene	mg/kg	0.4	0.2	0.5	0.6	<0.1
Benzo[*b,k*]fluoranthene	mg/kg	0.3	<0.2	0.5	0.4	<0.2
Benzo[*a*]pyrene	mg/kg	0.08	0.05	0.12	0.11	<0.05
Indeno[*123-cd*]pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo[*ah*]anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[*ghi*]perylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total PAH's	mg/kg	<5.28	<3.05	<7.22	<7.61	<1.55
Nitrobenzene-d5	%	95	91	82	90	85
2-Fluorobiphenyl	%	90	84	75	86	89
p -Terphenyl-*d14*	%	102	101	88	103	101

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-6 Pit6/0.1 soil 31/07/2007	54460-R-7 Pit7/0.1 soil 31/07/2007	54460-R-8 Pit8/1.0 soil 31/07/2007	54460-R-9 Pit8/2.7 soil 31/07/2007	54460-R-10 Pit9/0.2 soil 6/08/2007
Naphthalene	mg/kg	0.4	0.1	<0.1	0.3	0.6
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	3.1	0.9	<0.1	1.6	3.4
Anthracene	mg/kg	0.2	<0.1	<0.1	<0.1	0.3
Fluoranthene	mg/kg	1.6	0.5	<0.1	0.8	1.9
Pyrene	mg/kg	0.9	0.3	<0.1	0.4	1.1
Benzo[*a*]anthracene	mg/kg	0.8	0.2	<0.1	0.4	0.9
Chrysene	mg/kg	0.7	0.2	<0.1	0.3	0.9
Benzo[*b,k*]fluoranthene	mg/kg	0.5	<0.2	<0.2	0.2	0.7
Benzo[*a*]pyrene	mg/kg	0.13	0.07	<0.05	0.07	0.25
Indeno[*123-cd*]pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo[*ah*]anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[*ghi*]perylene	mg/kg	0.1	<0.1	<0.1	<0.1	0.1
Total PAH's	mg/kg	<8.93	<3.17	<1.55	<4.77	<10.65
Nitrobenzene-d5	%	97	88	87	79	93
2-Fluorobiphenyl	%	92	95	95	87	88
p -Terphenyl-*d14*	%	111	101	96	90	102

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-11 Pit10/1.1 soil 2/08/2007	54460-R-12 Pit11/0.4 soil 31/07/2007	54460-R-13 Pit12/0.7 soil 2/08/2007	54460-R-14 Pit13/0.1 soil 2/08/2007	54460-R-15 Pit13A/0.35 soil 2/08/2007
Naphthalene	mg/kg	<0.1	<0.1	0.1	0.6	0.2
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	4.0	0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	0.3	0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	0.6	0.2
Phenanthrene	mg/kg	0.2	0.2	1.5	6.1	2.0
Anthracene	mg/kg	<0.1	<0.1	<0.1	1.8	0.4
Fluoranthene	mg/kg	0.1	<0.1	0.8	10	2.2
Pyrene	mg/kg	<0.1	<0.1	0.4	8.4	1.8
Benzo[*a*]anthracene	mg/kg	<0.1	<0.1	0.4	4.0	1.3
Chrysene	mg/kg	<0.1	<0.1	0.4	3.7	1.2
Benzo[*b,k*]fluoranthene	mg/kg	<0.2	<0.2	0.3	6.2	1.6
Benzo[*a*]pyrene	mg/kg	<0.05	<0.05	0.10	3.2	0.96
Indeno[*123-cd*]pyrene	mg/kg	<0.1	<0.1	<0.1	2.0	0.5
Dibenzo[*ah*]anthracene	mg/kg	<0.1	<0.1	<0.1	0.5	0.2
Benzo[*ghi*]perylene	mg/kg	<0.1	<0.1	<0.1	1.9	0.5
Total PAH's	mg/kg	<1.65	<1.65	<4.70	54	13
Nitrobenzene-d5	%	77	88	89	91	95
2-Fluorobiphenyl	%	74	78	81	83	90
p -Terphenyl-*d14*	%	89	102	103	101	112

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-16 Pit14/0.3 soil 1/08/2007	54460-R-17 Pit15/0.1 soil 31/07/2007	54460-R-18 Pit16/0.2 soil 2/08/2007	54460-R-19 Pit17/1.9 soil 2/08/2007	54460-R-20 Pit18/0.15 soil 2/08/2007
Naphthalene	mg/kg	<0.1	<0.1	<0.1	0.4	0.4
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	<0.1	0.2	3.1	1.8
Anthracene	mg/kg	<0.1	<0.1	<0.1	0.2	0.1
Fluoranthene	mg/kg	<0.1	<0.1	<0.1	1.8	0.9
Pyrene	mg/kg	<0.1	<0.1	<0.1	1.0	0.6
Benzo[*a*]anthracene	mg/kg	<0.1	<0.1	<0.1	0.9	0.5
Chrysene	mg/kg	<0.1	<0.1	<0.1	0.8	0.5
Benzo[*b,k*]fluoranthene	mg/kg	<0.2	<0.2	<0.2	0.6	0.4
Benzo[*a*]pyrene	mg/kg	<0.05	<0.05	<0.05	0.17	0.18
Indeno[*123-cd*]pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	0.1
Dibenzo[*ah*]anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[*ghi*]perylene	mg/kg	<0.1	<0.1	<0.1	0.1	0.2
Total PAH's	mg/kg	<1.55	<1.55	<1.65	<9.57	<6.08
Nitrobenzene-d5	%	86	90	81	95	80
2-Fluorobiphenyl	%	92	95	83	90	70
p -Terphenyl-*d14*	%	93	101	87	103	71

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-23 Pit19/0.7 soil 1/08/2007	54460-R-24 Pit20/0.1 soil 6/08/2007	54460-R-25 Pit21/0.05 soil 2/08/2007	54460-R-26 Pit22/0.3 soil 2/08/2007	54460-R-27 Pit22/2.8 soil 2/08/2007
Naphthalene	mg/kg	0.4	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	0.2	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	0.1	<0.1	<0.1
Phenanthrene	mg/kg	1.6	<0.1	0.8	0.3	0.4
Anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.7	<0.1	0.9	0.2	0.2
Pyrene	mg/kg	0.6	<0.1	0.6	<0.1	0.1
Benzo[*a*]anthracene	mg/kg	0.4	<0.1	0.3	<0.1	0.1
Chrysene	mg/kg	0.5	<0.1	0.4	<0.1	0.1
Benzo[*b,k*]fluoranthene	mg/kg	0.4	<0.2	0.5	<0.2	<0.2
Benzo[*a*]pyrene	mg/kg	0.17	<0.05	0.31	<0.05	0.07
Indeno[*123-cd*]pyrene	mg/kg	<0.1	<0.1	0.1	<0.1	<0.1
Dibenzo[*ah*]anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[*ghi*]perylene	mg/kg	0.1	<0.1	0.2	<0.1	<0.1
Total PAH's	mg/kg	<5.47	<1.55	<4.81	<1.85	<1.97
Nitrobenzene-d5	%	96	84	87	77	85
2-Fluorobiphenyl	%	92	78	84	79	86
p -Terphenyl-*d14*	%	99	100	106	105	98

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-28 Pit23/0.9 soil 3/08/2007	54460-R-29 Pit24/0.6 soil 2/08/2007	54460-R-30 Pit25/0.5 soil 3/08/2007	54460-R-31 Pit26/0.3 soil 1/08/2007	54460-R-32 Pit27/0.05 soil 3/08/2007
Naphthalene	mg/kg	<0.1	0.4	0.4	0.5	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.6	3.5	3.0	3.5	0.5
Anthracene	mg/kg	<0.1	0.3	0.2	0.2	<0.1
Fluoranthene	mg/kg	0.3	2.1	1.8	1.9	0.3
Pyrene	mg/kg	0.2	1.2	1.1	1.1	0.2
Benzo[*a*]anthracene	mg/kg	0.2	1.0	0.8	0.9	0.2
Chrysene	mg/kg	0.2	1.0	0.8	0.9	0.2
Benzo[*b,k*]fluoranthene	mg/kg	<0.2	0.7	0.7	0.7	0.2
Benzo[*a*]pyrene	mg/kg	0.09	0.26	0.27	0.23	0.09
Indeno[*123-cd*]pyrene	mg/kg	<0.1	<0.1	0.1	<0.1	<0.1
Dibenzo[*ah*]anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[*ghi*]perylene	mg/kg	<0.1	0.1	0.1	0.1	<0.1
Total PAH's	mg/kg	<2.59	<11.06	<9.67	<10.53	<2.49
Nitrobenzene-d5	%	92	81	81	88	87
2-Fluorobiphenyl	%	92	80	86	89	88
p -Terphenyl-*d14*	%	109	97	102	104	92

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-33 Pit28/0.15 soil 1/08/2007	54460-R-34 Pit28/1.4 soil 1/08/2007	54460-R-35 Pit29/0.3 soil 3/08/2007	54460-R-36 Pit30/0.05 soil 1/08/2007	54460-R-37 Pit31/0.7 soil 1/08/2007
Naphthalene	mg/kg	0.2	0.2	<0.1	<0.1	0.3
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	1.3	1.3	<0.1	<0.1	1.7
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.7	0.7	<0.1	<0.1	0.9
Pyrene	mg/kg	0.4	0.4	<0.1	<0.1	0.5
Benzo[*a*]anthracene	mg/kg	0.3	0.3	<0.1	<0.1	0.4
Chrysene	mg/kg	0.3	0.3	<0.1	<0.1	0.5
Benzo[*b,k*]fluoranthene	mg/kg	0.3	0.3	<0.2	<0.2	0.4
Benzo[*a*]pyrene	mg/kg	0.11	0.09	<0.05	<0.05	0.12
Indeno[*123-cd*]pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo[*ah*]anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[*ghi*]perylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total PAH's	mg/kg	<4.31	<4.29	<1.55	<1.55	<5.52
Nitrobenzene-d5	%	91	89	85	85	84
2-Fluorobiphenyl	%	93	90	90	92	89
p -Terphenyl-*d14*	%	101	107	101	95	102

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-38 Pit32/0.2 soil 6/08/2007	54460-R-39 Pit33/0.1 soil 6/08/2007	54460-R-40 Pit33/1.3 soil 6/08/2007	54460-R-41 Pit33/2.8 soil 6/08/2007	54460-R-42 Pit34/0.3 soil 6/08/2007
Naphthalene	mg/kg	0.5	<0.1	0.2	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.5	0.2	1.4	<0.1	<0.1
Anthracene	mg/kg	<0.1	<0.1	0.1	<0.1	<0.1
Fluoranthene	mg/kg	<0.1	<0.1	1.0	<0.1	<0.1
Pyrene	mg/kg	<0.1	<0.1	0.7	<0.1	<0.1
Benzo[*a*]anthracene	mg/kg	<0.1	<0.1	0.5	<0.1	<0.1
Chrysene	mg/kg	<0.1	<0.1	0.5	<0.1	<0.1
Benzo[*b,k*]fluoranthene	mg/kg	<0.2	<0.2	0.4	<0.2	<0.2
Benzo[*a*]pyrene	mg/kg	<0.05	<0.05	0.19	<0.05	<0.05
Indeno[*123-cd*]pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo[*ah*]anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[*ghi*]perylene	mg/kg	<0.1	<0.1	0.1	<0.1	<0.1
Total PAH's	mg/kg	<2.35	<1.65	<5.59	<1.55	<1.55
Nitrobenzene-d5	%	84	85	83	82	82
2-Fluorobiphenyl	%	85	94	86	93	90
p -Terphenyl-*d14*	%	101	104	98	103	102

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-43 Pit23/0.02 soil 3/08/2007	54460-R-44 Pit36/0.8 soil 6/08/2007	54460-R-45 Pit36/2.5 soil 6/08/2007	54460-R-46 Pit37/1.2 soil 7/08/2007	54460-R-47 Pit38/0.3 soil 7/08/2007
Naphthalene	mg/kg	<0.1	0.1	0.3	0.1	0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	0.2	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	3.1	1.7	1.9	2.0
Anthracene	mg/kg	<0.1	0.2	0.3	0.2	0.1
Fluoranthene	mg/kg	<0.1	1.6	1.1	1.2	0.9
Pyrene	mg/kg	<0.1	0.8	0.9	0.6	0.4
Benzo[*a*]anthracene	mg/kg	<0.1	0.5	0.7	0.5	0.3
Chrysene	mg/kg	<0.1	0.5	0.6	0.4	0.3
Benzo[*b,k*]fluoranthene	mg/kg	<0.2	0.3	0.6	0.3	0.2
Benzo[*a*]pyrene	mg/kg	<0.05	0.11	0.34	0.11	0.08
Indeno[*123-cd*]pyrene	mg/kg	<0.1	<0.1	0.1	<0.1	<0.1
Dibenzo[*ah*]anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[*ghi*]perylene	mg/kg	<0.1	<0.1	0.2	<0.1	<0.1
Total PAH's	mg/kg	<1.55	<7.81	<7.34	<5.91	<4.98
Nitrobenzene-d5	%	99	92	98	100	92
2-Fluorobiphenyl	%	97	84	88	93	85
p -Terphenyl-*d14*	%	119	91	102	101	101

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-48 Pit39/0.05 soil 7/08/2007	54460-R-49 Pit39/1.0 soil 7/08/2007	54460-R-50 Pit40/0.6 soil 7/08/2007	54460-R-51 Pit41/0.6 soil 7/08/2007	54460-R-52 Pit42/0.3 soil 7/08/2007
Naphthalene	mg/kg	<0.1	<0.1	<0.1	0.1	0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.4	0.5	<0.1	0.8	0.9
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.2	0.3	<0.1	0.4	0.4
Pyrene	mg/kg	0.1	0.1	<0.1	0.2	0.2
Benzo[*a*]anthracene	mg/kg	0.1	0.1	<0.1	0.2	0.2
Chrysene	mg/kg	<0.1	0.1	<0.1	0.2	0.2
Benzo[*b,k*]fluoranthene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo[*a*]pyrene	mg/kg	<0.05	<0.05	<0.05	0.06	0.06
Indeno[*123-cd*]pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo[*ah*]anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[*ghi*]perylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total PAH's	mg/kg	<1.95	<2.15	<1.55	<2.86	<2.96
Nitrobenzene-d5	%	77	101	86	96	93
2-Fluorobiphenyl	%	73	92	86	87	84
p -Terphenyl-*d14*	%	81	120	103	112	108

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-53 Pit43/0.1 soil 7/08/2007	54460-R-54 Pit44/0.9 soil 7/08/2007	54460-R-55 Pit45/0.1 soil 7/08/2007	54460-R-56 Pit46/0.2 soil 7/08/2007	54460-R-57 Pit47/0.2 soil 7/08/2007
Naphthalene	mg/kg	<0.1	<0.1	<0.1	0.2	0.2
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	<0.1	<0.1	0.5	1.4
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	<0.1	<0.1	<0.1	0.2	0.7
Pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	0.4
Benzo[*a*]anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	0.4
Chrysene	mg/kg	<0.1	<0.1	<0.1	<0.1	0.3
Benzo[*b,k*]fluoranthene	mg/kg	<0.2	<0.2	<0.2	<0.2	0.4
Benzo[*a*]pyrene	mg/kg	<0.05	<0.05	<0.05	<0.05	0.12
Indeno[*123-cd*]pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo[*ah*]anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[*ghi*]perylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total PAH's	mg/kg	<1.55	<1.55	<1.55	<2.15	<4.62
Nitrobenzene-d5	%	90	96	112	96	88
2-Fluorobiphenyl	%	89	91	110	83	79
p -Terphenyl-*d14*	%	106	107	126	107	109

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-58 Pit48/0.4 soil 7/08/2007	54460-R-59 Pit49/0.4 soil 8/08/2007	54460-R-60 Pit50/0.3 soil 8/08/2007	54460-R-61 Pit52/0.1 soil 8/08/2007	54460-R-62 Pit53/0.1 soil 8/08/2007
Naphthalene	mg/kg	0.3	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	1.8	<0.1	<0.1	0.4	0.1
Anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.8	0.1	<0.1	0.2	<0.1
Pyrene	mg/kg	0.5	0.1	<0.1	0.1	<0.1
Benzo[*a*]anthracene	mg/kg	0.4	0.1	<0.1	0.1	<0.1
Chrysene	mg/kg	0.4	<0.1	<0.1	<0.1	<0.1
Benzo[*b,k*]fluoranthene	mg/kg	0.3	<0.2	<0.2	<0.2	<0.2
Benzo[*a*]pyrene	mg/kg	0.10	0.09	<0.05	<0.05	<0.05
Indeno[*123-cd*]pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo[*ah*]anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[*ghi*]perylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total PAH's	mg/kg	<5.30	<1.59	<1.55	<1.95	<1.55
Nitrobenzene-d5	%	100	95	89	88	83
2-Fluorobiphenyl	%	96	94	91	75	82
p -Terphenyl-*d14*	%	108	110	101	100	94

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-63 Pit32/0.8 soil 6/08/2007	54460-R-64 Pit61/0.3 soil 8/08/2007	54460-R-65 Pit63/0.1 soil 8/08/2007	54460-R-66 Pit65/0.2 soil 1/08/2007	54460-R-67 Pit66/0.25 soil 31/07/2007
Naphthalene	mg/kg	<0.1	<0.1	0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	0.7	0.6	0.2	0.8
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	<0.1	0.4	0.3	0.1	0.4
Pyrene	mg/kg	<0.1	0.2	0.2	0.1	0.2
Benzo[*a*]anthracene	mg/kg	<0.1	0.1	0.1	<0.1	0.2
Chrysene	mg/kg	<0.1	0.1	0.1	<0.1	0.2
Benzo[*b,k*]fluoranthene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo[*a*]pyrene	mg/kg	<0.05	<0.05	0.05	<0.05	0.06
Indeno[*123-cd*]pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo[*ah*]anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[*ghi*]perylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total PAH's	mg/kg	<1.55	<2.55	<2.35	<1.65	<2.86
Nitrobenzene-d5	%	91	101	102	99	105
2-Fluorobiphenyl	%	99	95	94	98	98
p -Terphenyl-*d14*	%	102	105	115	114	116

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-68 Pit67/0.05 soil 1/08/2007	54460-R-69 Pit68/0.02 soil 2/08/2007	54460-R-70 Bore101/1.0 soil 9/08/2007	54460-R-71 Bore101/2.5-2.95 soil 9/08/2007	54460-R-72 Bore102/0.2 soil 9/08/2007
Naphthalene	mg/kg	0.3	<0.1	<0.1	<0.1	0.2
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	1.7	<0.1	0.3	<0.1	0.2
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.7	<0.1	0.2	<0.1	<0.1
Pyrene	mg/kg	0.4	<0.1	<0.1	<0.1	<0.1
Benzo[*a*]anthracene	mg/kg	0.3	<0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	0.3	<0.1	<0.1	<0.1	<0.1
Benzo[*b,k*]fluoranthene	mg/kg	0.3	<0.2	<0.2	<0.2	<0.2
Benzo[*a*]pyrene	mg/kg	0.11	<0.05	<0.05	<0.05	<0.05
Indeno[*123-cd*]pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo[*ah*]anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[*ghi*]perylene	mg/kg	<0.1	<0.1	<0.1	<0.1	0.1
Total PAH's	mg/kg	<4.81	<1.55	<1.85	<1.55	<1.75
Nitrobenzene-d5	%	101	86	89	99	86
2-Fluorobiphenyl	%	100	90	87	104	91
p -Terphenyl-*d14*	%	112	91	106	109	100

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-73 Bore102/1.0 soil 9/08/2007	54460-R-74 Bore102/2.5-2.95 soil 9/08/2007	54460-R-75 Bore103/0.1 soil 9/08/2007	54460-R-76 Bore103/1.0-1.45 soil 9/08/2007	54460-R-77 Bore106/0.1 soil 9/08/2007
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.1	0.4	0.2	0.1	0.4
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.1	0.2	0.1	<0.1	0.6
Pyrene	mg/kg	<0.1	0.2	<0.1	<0.1	0.3
Benzo[*a*]anthracene	mg/kg	<0.1	0.1	<0.1	<0.1	0.2
Chrysene	mg/kg	<0.1	0.1	<0.1	<0.1	0.2
Benzo[*b,k*]fluoranthene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo[*a*]pyrene	mg/kg	<0.05	0.05	<0.05	<0.05	0.06
Indeno[*123-cd*]pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo[*ah*]anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[*ghi*]perylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total PAH's	mg/kg	<1.55	<2.05	<1.65	<1.55	<2.76
Nitrobenzene-d5	%	95	96	105	94	104
2-Fluorobiphenyl	%	97	94	108	87	100
p -Terphenyl-*d14*	%	106	104	118	99	104

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-78 Bore107/0.1 soil 10/08/2007	54460-R-79 Bore108/1.0 soil 10/08/2007	54460-R-80 D9 soil 1/08/2007	54460-R-81 D11 soil 2/08/2007	54460-R-82 D13 soil 2/08/2007
Naphthalene	mg/kg	0.2	<0.1	0.2	0.2	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	1.2	0.1	1.5	2.1	0.1
Anthracene	mg/kg	<0.1	<0.1	0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.6	<0.1	0.8	1.3	<0.1
Pyrene	mg/kg	0.3	<0.1	0.5	0.7	<0.1
Benzo[*a*]anthracene	mg/kg	0.3	<0.1	0.4	0.5	<0.1
Chrysene	mg/kg	0.2	<0.1	0.4	0.5	<0.1
Benzo[*b,k*]fluoranthene	mg/kg	0.2	<0.2	0.4	0.4	<0.2
Benzo[*a*]pyrene	mg/kg	0.08	<0.05	0.16	0.14	<0.05
Indeno[*123-cd*]pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo[*ah*]anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[*ghi*]perylene	mg/kg	<0.1	<0.1	0.1	0.1	<0.1
Total PAH's	mg/kg	<3.78	<1.55	<5.06	<6.54	<1.55
Nitrobenzene-d5	%	97	91	130	92	84
2-Fluorobiphenyl	%	92	98	125	92	92
p -Terphenyl-*d14*	%	105	107	127	82	83

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-83 D14 soil 2/08/2007	54460-R-84 D18 soil 6/08/2007	54460-R-85 D21 soil 7/08/2007	54460-R-86 D24 soil 7/08/2007	54460-R-87 D101 soil 9/08/2007
Naphthalene	mg/kg	<0.1	0.1	<0.1	0.3	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	0.3	1.3	2.6	0.3
Anthracene	mg/kg	<0.1	<0.1	<0.1	0.1	<0.1
Fluoranthene	mg/kg	<0.1	<0.1	0.9	1.4	0.2
Pyrene	mg/kg	<0.1	<0.1	0.5	0.7	0.1
Benzo[*a*]anthracene	mg/kg	<0.1	<0.1	0.4	0.6	<0.1
Chrysene	mg/kg	<0.1	<0.1	0.3	0.6	<0.1
Benzo[*b,k*]fluoranthene	mg/kg	<0.2	<0.2	0.3	0.4	<0.2
Benzo[*a*]pyrene	mg/kg	<0.05	<0.05	0.09	0.12	<0.05
Indeno[*123-cd*]pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo[*ah*]anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[*ghi*]perylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total PAH's	mg/kg	<1.55	<1.75	<4.59	<7.42	<1.85
Nitrobenzene-d5	%	104	97	98	95	96
2-Fluorobiphenyl	%	106	90	94	95	93
p -Terphenyl-*d14*	%	109	104	99	93	105

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-1 Pit1/1.2 soil 31/07/2007	54460-R-2 Pit2/0.05 soil 31/07/2007	54460-R-3 Pit3/0.5 soil 31/07/2007	54460-R-4 Pit4/0.05 soil 31/07/2007	54460-R-5 Pit5/0.05 soil 31/07/2007
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene *(Surrogate*	%	105	123	122	117	122

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-6 Pit6/0.1 soil 31/07/2007	54460-R-7 Pit7/0.1 soil 31/07/2007	54460-R-8 Pit8/1.0 soil 31/07/2007	54460-R-9 Pit8/2.7 soil 31/07/2007	54460-R-10 Pit9/0.2 soil 6/08/2007
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene *(Surrogate*	%	114	123	116	116	121

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-11 Pit10/1.1 soil 2/08/2007	54460-R-12 Pit11/0.4 soil 31/07/2007	54460-R-13 Pit12/0.7 soil 2/08/2007	54460-R-14 Pit13/0.1 soil 2/08/2007	54460-R-15 Pit13A/0.35 soil 2/08/2007
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene *(Surrogate*	%	111	117	120	120	121

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-16 Pit14/0.3 soil 1/08/2007	54460-R-17 Pit15/0.1 soil 31/07/2007	54460-R-18 Pit16/0.2 soil 2/08/2007	54460-R-19 Pit17/1.9 soil 2/08/2007	54460-R-20 Pit18/0.15 soil 2/08/2007
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene *(Surrogate*	%	113	106	109	117	111

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-23 Pit19/0.7 soil 1/08/2007	54460-R-24 Pit20/0.1 soil 6/08/2007	54460-R-25 Pit21/0.05 soil 2/08/2007	54460-R-26 Pit22/0.3 soil 2/08/2007	54460-R-27 Pit22/2.8 soil 2/08/2007
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene *(Surrogate*	%	124	112	109	113	119

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-28 Pit23/0.9 soil 3/08/2007	54460-R-29 Pit24/0.6 soil 2/08/2007	54460-R-30 Pit25/0.5 soil 3/08/2007	54460-R-31 Pit26/0.3 soil 1/08/2007	54460-R-32 Pit27/0.05 soil 3/08/2007
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene *(Surrogate*	%	115	117	109	111	107

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-33 Pit28/0.15 soil 1/08/2007	54460-R-34 Pit28/1.4 soil 1/08/2007	54460-R-35 Pit29/0.3 soil 3/08/2007	54460-R-36 Pit30/0.05 soil 1/08/2007	54460-R-37 Pit31/0.7 soil 1/08/2007
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene *(Surrogate*	%	106	109	104	103	113

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-38 Pit32/0.2 soil 6/08/2007	54460-R-39 Pit33/0.1 soil 6/08/2007	54460-R-40 Pit33/1.3 soil 6/08/2007	54460-R-41 Pit33/2.8 soil 6/08/2007	54460-R-42 Pit34/0.3 soil 6/08/2007
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene *(Surrogate*	%	93	99	111	107	107

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-43 Pit23/0.02 soil 3/08/2007	54460-R-44 Pit36/0.8 soil 6/08/2007	54460-R-45 Pit36/2.5 soil 6/08/2007	54460-R-46 Pit37/1.2 soil 7/08/2007	54460-R-47 Pit38/0.3 soil 7/08/2007
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene *(Surrogate*	%	121	104	111	101	101

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-48 Pit39/0.05 soil 7/08/2007	54460-R-49 Pit39/1.0 soil 7/08/2007	54460-R-50 Pit40/0.6 soil 7/08/2007	54460-R-51 Pit41/0.6 soil 7/08/2007	54460-R-52 Pit42/0.3 soil 7/08/2007
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene *(Surrogate*	%	109	103	112	111	109

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-53 Pit43/0.1 soil 7/08/2007	54460-R-54 Pit44/0.9 soil 7/08/2007	54460-R-55 Pit45/0.1 soil 7/08/2007	54460-R-56 Pit46/0.2 soil 7/08/2007	54460-R-57 Pit47/0.2 soil 7/08/2007
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene *(Surrogate*	%	100	125	125	111	121

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-58 Pit48/0.4 soil 7/08/2007	54460-R-59 Pit49/0.4 soil 8/08/2007	54460-R-60 Pit50/0.3 soil 8/08/2007	54460-R-61 Pit52/0.1 soil 8/08/2007	54460-R-62 Pit53/0.1 soil 8/08/2007
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene *(Surrogate*	%	114	117	125	106	108

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-63 Pit32/0.8 soil 6/08/2007	54460-R-64 Pit61/0.3 soil 8/08/2007	54460-R-65 Pit63/0.1 soil 8/08/2007	54460-R-66 Pit65/0.2 soil 1/08/2007	54460-R-67 Pit66/0.25 soil 31/07/2007
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene *(Surrogate*	%	113	111	107	113	104

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-68 Pit67/0.05 soil 1/08/2007	54460-R-69 Pit68/0.02 soil 2/08/2007	54460-R-70 Bore101/1.0 soil 9/08/2007	54460-R-71 Bore101/2.5-2.95 soil 9/08/2007	54460-R-72 Bore102/0.2 soil 9/08/2007
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene *(Surrogate*	%	109	101	103	122	99

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-73 Bore102/1.0 soil 9/08/2007	54460-R-74 Bore102/2.5-2.95 soil 9/08/2007	54460-R-75 Bore103/0.1 soil 9/08/2007	54460-R-76 Bore103/1.0-1.45 soil 9/08/2007	54460-R-77 Bore106/0.1 soil 9/08/2007
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene *(Surrogate*	%	102	107	119	112	112

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-78 Bore107/0.1 soil 10/08/2007	54460-R-79 Bore108/1.0 soil 10/08/2007	54460-R-80 D9 soil 1/08/2007	54460-R-81 D11 soil 2/08/2007	54460-R-82 D13 soil 2/08/2007
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene *(Surrogate*	%	117	121	116	109	119

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-83 D14 soil 2/08/2007	54460-R-84 D18 soil 6/08/2007	54460-R-85 D21 soil 7/08/2007	54460-R-86 D24 soil 7/08/2007	54460-R-87 D101 soil 9/08/2007
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene *(Surrogate*	%	107	101	99	107	103

OP Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS --- ---	54460-R-1 Pit1/1.2 soil 31/07/2007	54460-R-2 Pit2/0.05 soil 31/07/2007	54460-R-3 Pit3/0.5 soil 31/07/2007	54460-R-4 Pit4/0.05 soil 31/07/2007	54460-R-5 Pit5/0.05 soil 31/07/2007
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
OP_Surrogate 1	%	105	123	122	117	122

OP Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS --- ---	54460-R-6 Pit6/0.1 soil 31/07/2007	54460-R-7 Pit7/0.1 soil 31/07/2007	54460-R-8 Pit8/1.0 soil 31/07/2007	54460-R-9 Pit8/2.7 soil 31/07/2007	54460-R-10 Pit9/0.2 soil 6/08/2007
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
OP_Surrogate 1	%	114	123	116	116	121

OP Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS --- ---	54460-R-11 Pit10/1.1 soil 2/08/2007	54460-R-12 Pit11/0.4 soil 31/07/2007	54460-R-13 Pit12/0.7 soil 2/08/2007	54460-R-14 Pit13/0.1 soil 2/08/2007	54460-R-15 Pit13A/0.35 soil 2/08/2007
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
OP_Surrogate 1	%	111	117	120	120	121

OP Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS --- ---	54460-R-16 Pit14/0.3 soil 1/08/2007	54460-R-17 Pit15/0.1 soil 31/07/2007	54460-R-18 Pit16/0.2 soil 2/08/2007	54460-R-19 Pit17/1.9 soil 2/08/2007	54460-R-20 Pit18/0.15 soil 2/08/2007
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
OP_Surrogate 1	%	113	106	109	117	111

OP Pesticides in Soil **Our Reference:** **Your Reference** **Sample Type** **Date Sampled**	**UNITS** ----------	**54460-R-23** **Pit19/0.7** **soil** **1/08/2007**	**54460-R-24** **Pit20/0.1** **soil** **6/08/2007**	**54460-R-25** **Pit21/0.05** **soil** **2/08/2007**	**54460-R-26** **Pit22/0.3** **soil** **2/08/2007**	**54460-R-27** **Pit22/2.8** **soil** **2/08/2007**
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
OP_Surrogate 1	%	124	112	109	113	119

OP Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----------	54460-R-28 Pit23/0.9 soil 3/08/2007	54460-R-29 Pit24/0.6 soil 2/08/2007	54460-R-30 Pit25/0.5 soil 3/08/2007	54460-R-31 Pit26/0.3 soil 1/08/2007	54460-R-32 Pit27/0.05 soil 3/08/2007
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
OP_Surrogate 1	%	115	117	109	111	107

OP Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----------	54460-R-33 Pit28/0.15 soil 1/08/2007	54460-R-34 Pit28/1.4 soil 1/08/2007	54460-R-35 Pit29/0.3 soil 3/08/2007	54460-R-36 Pit30/0.05 soil 1/08/2007	54460-R-37 Pit31/0.7 soil 1/08/2007
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
OP_Surrogate 1	%	106	109	104	103	113

OP Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----------	54460-R-38 Pit32/0.2 soil 6/08/2007	54460-R-39 Pit33/0.1 soil 6/08/2007	54460-R-40 Pit33/1.3 soil 6/08/2007	54460-R-41 Pit33/2.8 soil 6/08/2007	54460-R-42 Pit34/0.3 soil 6/08/2007
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
OP_Surrogate 1	%	93	99	111	107	107

OP Pesticides in Soil **Our Reference:** **Your Reference** **Sample Type** **Date Sampled**	**UNITS** ----------	**54460-R-43** **Pit23/0.02** **soil** **3/08/2007**	**54460-R-44** **Pit36/0.8** **soil** **6/08/2007**	**54460-R-45** **Pit36/2.5** **soil** **6/08/2007**	**54460-R-46** **Pit37/1.2** **soil** **7/08/2007**	**54460-R-47** **Pit38/0.3** **soil** **7/08/2007**
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
OP_Surrogate 1	%	121	104	111	101	101

OP Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----------	54460-R-48 Pit39/0.05 soil 7/08/2007	54460-R-49 Pit39/1.0 soil 7/08/2007	54460-R-50 Pit40/0.6 soil 7/08/2007	54460-R-51 Pit41/0.6 soil 7/08/2007	54460-R-52 Pit42/0.3 soil 7/08/2007
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
OP_Surrogate 1	%	109	103	112	111	109

OP Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----------	54460-R-53 Pit43/0.1 soil 7/08/2007	54460-R-54 Pit44/0.9 soil 7/08/2007	54460-R-55 Pit45/0.1 soil 7/08/2007	54460-R-56 Pit46/0.2 soil 7/08/2007	54460-R-57 Pit47/0.2 soil 7/08/2007
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
OP_Surrogate 1	%	100	125	125	111	121

OP Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----------	54460-R-58 Pit48/0.4 soil 7/08/2007	54460-R-59 Pit49/0.4 soil 8/08/2007	54460-R-60 Pit50/0.3 soil 8/08/2007	54460-R-61 Pit52/0.1 soil 8/08/2007	54460-R-62 Pit53/0.1 soil 8/08/2007
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
OP_Surrogate 1	%	114	117	125	106	108

OP Pesticides in Soil **Our Reference:** **Your Reference** **Sample Type** **Date Sampled**	**UNITS** ----------	**54460-R-63** **Pit32/0.8** **soil** **6/08/2007**	**54460-R-64** **Pit61/0.3** **soil** **8/08/2007**	**54460-R-65** **Pit63/0.1** **soil** **8/08/2007**	**54460-R-66** **Pit65/0.2** **soil** **1/08/2007**	**54460-R-67** **Pit66/0.25** **soil** **31/07/2007**
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
OP_Surrogate 1	%	113	111	107	113	104

OP Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----------	54460-R-68 Pit67/0.05 soil 1/08/2007	54460-R-69 Pit68/0.02 soil 2/08/2007	54460-R-70 Bore101/1.0 soil 9/08/2007	54460-R-71 Bore101/2.5-2.95 soil 9/08/2007	54460-R-72 Bore102/0.2 soil 9/08/2007
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
OP_Surrogate 1	%	109	101	103	122	99

OP Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----------	54460-R-73 Bore102/1.0 soil 9/08/2007	54460-R-74 Bore102/2.5-2.95 soil 9/08/2007	54460-R-75 Bore103/0.1 soil 9/08/2007	54460-R-76 Bore103/1.0-1.45 soil 9/08/2007	54460-R-77 Bore106/0.1 soil 9/08/2007
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
OP_Surrogate 1	%	102	107	119	112	112

OP Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----------	54460-R-78 Bore107/0.1 soil 10/08/2007	54460-R-79 Bore108/1.0 soil 10/08/2007	54460-R-80 D9 soil 1/08/2007	54460-R-81 D11 soil 2/08/2007	54460-R-82 D13 soil 2/08/2007
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
OP_Surrogate 1	%	117	121	116	109	119

OP Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-83 D14 soil 2/08/2007	54460-R-84 D18 soil 6/08/2007	54460-R-85 D21 soil 7/08/2007	54460-R-86 D24 soil 7/08/2007	54460-R-87 D101 soil 9/08/2007
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
OP_Surrogate 1	%	107	101	99	107	103

PCBs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-1 Pit1/1.2 soil 31/07/2007	54460-R-2 Pit2/0.05 soil 31/07/2007	54460-R-3 Pit3/0.5 soil 31/07/2007	54460-R-4 Pit4/0.05 soil 31/07/2007	54460-R-5 Pit5/0.05 soil 31/07/2007
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<0.90	<0.90	<0.90
PCB_Surrogate 1	%	105	123	122	117	122

PCBs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-6 Pit6/0.1 soil 31/07/2007	54460-R-7 Pit7/0.1 soil 31/07/2007	54460-R-8 Pit8/1.0 soil 31/07/2007	54460-R-9 Pit8/2.7 soil 31/07/2007	54460-R-10 Pit9/0.2 soil 6/08/2007
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<0.90	<0.90	<0.90
PCB_Surrogate 1	%	114	123	116	116	121

PCBs in Soil **Our Reference:** **Your Reference** **Sample Type** **Date Sampled**	**UNITS** ----------	**54460-R-11** **Pit10/1.1** **soil** **2/08/2007**	**54460-R-12** **Pit11/0.4** **soil** **31/07/2007**	**54460-R-13** **Pit12/0.7** **soil** **2/08/2007**	**54460-R-14** **Pit13/0.1** **soil** **2/08/2007**	**54460-R-15** **Pit13A/0.35** **soil** **2/08/2007**
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<0.90	<0.90	<0.90
PCB_Surrogate 1	%	111	117	120	120	121

PCBs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----------	54460-R-16 Pit14/0.3 soil 1/08/2007	54460-R-17 Pit15/0.1 soil 31/07/2007	54460-R-18 Pit16/0.2 soil 2/08/2007	54460-R-19 Pit17/1.9 soil 2/08/2007	54460-R-20 Pit18/0.15 soil 2/08/2007
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<0.90	<0.90	<0.90
PCB_Surrogate 1	%	113	106	109	117	111

PCBs in Soil **Our Reference:** **Your Reference** **Sample Type** **Date Sampled**	**UNITS** --- ---	**54460-R-23** **Pit19/0.7** **soil** **1/08/2007**	**54460-R-24** **Pit20/0.1** **soil** **6/08/2007**	**54460-R-25** **Pit21/0.05** **soil** **2/08/2007**	**54460-R-26** **Pit22/0.3** **soil** **2/08/2007**	**54460-R-27** **Pit22/2.8** **soil** **2/08/2007**
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	0.6	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<1.40	<0.90	<0.90
PCB_Surrogate 1	%	124	112	109	113	119

PCBs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS --- ---	54460-R-28 Pit23/0.9 soil 3/08/2007	54460-R-29 Pit24/0.6 soil 2/08/2007	54460-R-30 Pit25/0.5 soil 3/08/2007	54460-R-31 Pit26/0.3 soil 1/08/2007	54460-R-32 Pit27/0.05 soil 3/08/2007
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<0.90	<0.90	<0.90
PCB_Surrogate 1	%	115	117	109	111	107

PCBs in Soil **Our Reference:** **Your Reference** **Sample Type** **Date Sampled**	**UNITS** --- ---	**54460-R-33** **Pit28/0.15** **soil** **1/08/2007**	**54460-R-34** **Pit28/1.4** **soil** **1/08/2007**	**54460-R-35** **Pit29/0.3** **soil** **3/08/2007**	**54460-R-36** **Pit30/0.05** **soil** **1/08/2007**	**54460-R-37** **Pit31/0.7** **soil** **1/08/2007**
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<0.90	<0.90	<0.90
PCB_Surrogate 1	%	106	109	104	103	113

PCBs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS --- ---	54460-R-38 Pit32/0.2 soil 6/08/2007	54460-R-39 Pit33/0.1 soil 6/08/2007	54460-R-40 Pit33/1.3 soil 6/08/2007	54460-R-41 Pit33/2.8 soil 6/08/2007	54460-R-42 Pit34/0.3 soil 6/08/2007
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<0.90	<0.90	<0.90
PCB_Surrogate 1	%	93	99	111	107	107

PCBs in Soil **Our Reference:** **Your Reference** **Sample Type** **Date Sampled**	**UNITS** --- ---	**54460-R-43** **Pit23/0.02** **soil** **3/08/2007**	**54460-R-44** **Pit36/0.8** **soil** **6/08/2007**	**54460-R-45** **Pit36/2.5** **soil** **6/08/2007**	**54460-R-46** **Pit37/1.2** **soil** **7/08/2007**	**54460-R-47** **Pit38/0.3** **soil** **7/08/2007**
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<0.90	<0.90	<0.90
PCB_Surrogate 1	%	121	104	111	101	101

PCBs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS --- ---	54460-R-48 Pit39/0.05 soil 7/08/2007	54460-R-49 Pit39/1.0 soil 7/08/2007	54460-R-50 Pit40/0.6 soil 7/08/2007	54460-R-51 Pit41/0.6 soil 7/08/2007	54460-R-52 Pit42/0.3 soil 7/08/2007
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<0.90	<0.90	<0.90
PCB_Surrogate 1	%	109	103	112	111	109

PCBs in Soil **Our Reference:** **Your Reference** **Sample Type** **Date Sampled**	**UNITS** --- ---	**54460-R-53** **Pit43/0.1** **soil** **7/08/2007**	**54460-R-54** **Pit44/0.9** **soil** **7/08/2007**	**54460-R-55** **Pit45/0.1** **soil** **7/08/2007**	**54460-R-56** **Pit46/0.2** **soil** **7/08/2007**	**54460-R-57** **Pit47/0.2** **soil** **7/08/2007**
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<0.90	<0.90	<0.90
PCB_Surrogate 1	%	100	125	125	111	121

PCBs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS --- ---	54460-R-58 Pit48/0.4 soil 7/08/2007	54460-R-59 Pit49/0.4 soil 8/08/2007	54460-R-60 Pit50/0.3 soil 8/08/2007	54460-R-61 Pit52/0.1 soil 8/08/2007	54460-R-62 Pit53/0.1 soil 8/08/2007
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<0.90	<0.90	<0.90
PCB_Surrogate 1	%	114	117	125	106	108

PCBs in Soil **Our Reference:** **Your Reference** **Sample Type** **Date Sampled**	**UNITS** ----------	**54460-R-63** **Pit32/0.8** **soil** **6/08/2007**	**54460-R-64** **Pit61/0.3** **soil** **8/08/2007**	**54460-R-65** **Pit63/0.1** **soil** **8/08/2007**	**54460-R-66** **Pit65/0.2** **soil** **1/08/2007**	**54460-R-67** **Pit66/0.25** **soil** **31/07/2007**
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<0.90	<0.90	<0.90
PCB_Surrogate 1	%	113	111	107	113	104

PCBs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-68 Pit67/0.05 soil 1/08/2007	54460-R-69 Pit68/0.02 soil 2/08/2007	54460-R-70 Bore101/1.0 soil 9/08/2007	54460-R-71 Bore101/2.5-2.95 soil 9/08/2007	54460-R-72 Bore102/0.2 soil 9/08/2007
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<0.90	<0.90	<0.90
PCB_Surrogate 1	%	109	101	103	122	99

PCBs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-73 Bore102/1.0 soil 9/08/2007	54460-R-74 Bore102/2.5-2.95 soil 9/08/2007	54460-R-75 Bore103/0.1 soil 9/08/2007	54460-R-76 Bore103/1.0-1.45 soil 9/08/2007	54460-R-77 Bore106/0.1 soil 9/08/2007
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<0.90	<0.90	<0.90
PCB_Surrogate 1	%	102	107	119	112	112

PCBs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-78 Bore107/0.1 soil 10/08/2007	54460-R-79 Bore108/1.0 soil 10/08/2007	54460-R-80 D9 soil 1/08/2007	54460-R-81 D11 soil 2/08/2007	54460-R-82 D13 soil 2/08/2007
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<0.90	<0.90	<0.90
PCB_Surrogate 1	%	117	121	116	109	119

PCBs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-83 D14 soil 2/08/2007	54460-R-84 D18 soil 6/08/2007	54460-R-85 D21 soil 7/08/2007	54460-R-86 D24 soil 7/08/2007	54460-R-87 D101 soil 9/08/2007
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<0.90	<0.90	<0.90
PCB_Surrogate 1	%	107	101	99	107	103

Acid Extractable Metals in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-1 Pit1/1.2 soil 31/07/2007	54460-R-2 Pit2/0.05 soil 31/07/2007	54460-R-3 Pit3/0.5 soil 31/07/2007	54460-R-4 Pit4/0.05 soil 31/07/2007	54460-R-5 Pit5/0.05 soil 31/07/2007
Arsenic	mg/kg	<3	<3	<3	<3	3
Cadmium	mg/kg	0.1	0.3	0.1	0.1	0.2
Chromium	mg/kg	5.7	5.4	6.3	3.2	6.8
Copper	mg/kg	37	11	21	9.6	3.1
Lead	mg/kg	21	14	15	9.0	10
Mercury	mg/kg	0.05	<0.05	0.05	<0.05	<0.05
Nickel	mg/kg	4.7	2.0	4.5	2.3	0.9
Zinc	mg/kg	49	89	15	43	48

Acid Extractable Metals in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-6 Pit6/0.1 soil 31/07/2007	54460-R-7 Pit7/0.1 soil 31/07/2007	54460-R-8 Pit8/1.0 soil 31/07/2007	54460-R-9 Pit8/2.7 soil 31/07/2007	54460-R-10 Pit9/0.2 soil 6/08/2007
Arsenic	mg/kg	<3	<3	<3	<3	<3
Cadmium	mg/kg	<0.1	0.2	<0.1	<0.1	0.5
Chromium	mg/kg	2.9	12	1.0	6.9	6.1
Copper	mg/kg	6.9	10	<0.5	9.1	510
Lead	mg/kg	6	14	2	9.8	34
Mercury	mg/kg	<0.05	<0.05	<0.05	0.07	0.07
Nickel	mg/kg	2.0	4.6	<0.5	3.1	7.6
Zinc	mg/kg	7.2	39	4.6	9.3	820

Acid Extractable Metals in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-11 Pit10/1.1 soil 2/08/2007	54460-R-12 Pit11/0.4 soil 31/07/2007	54460-R-13 Pit12/0.7 soil 2/08/2007	54460-R-14 Pit13/0.1 soil 2/08/2007	54460-R-15 Pit13A/0.35 soil 2/08/2007
Arsenic	mg/kg	10	5	<3	4	30
Cadmium	mg/kg	0.3	0.1	0.1	1.4	1.0
Chromium	mg/kg	26	10	5.9	14	9.2
Copper	mg/kg	65	5.1	26	97	1,000
Lead	mg/kg	23	8	29	250	1000
Mercury	mg/kg	<0.05	<0.05	0.10	0.05	0.63
Nickel	mg/kg	3.4	1.6	7.5	13	12
Zinc	mg/kg	29	9.2	38	1,100	1,100

Acid Extractable Metals in Soil **Our Reference:** **Your Reference** **Sample Type** **Date Sampled**	**UNITS** ----------	**54460-R-16** **Pit14/0.3** **soil** **1/08/2007**	**54460-R-17** **Pit15/0.1** **soil** **31/07/2007**	**54460-R-18** **Pit16/0.2** **soil** **2/08/2007**	**54460-R-19** **Pit17/1.9** **soil** **2/08/2007**	**54460-R-20** **Pit18/0.15** **soil** **2/08/2007**
Arsenic	mg/kg	3	4	6	4	4
Cadmium	mg/kg	0.1	0.2	0.2	0.2	0.8
Chromium	mg/kg	4.9	10	10	5.0	11
Copper	mg/kg	1.7	6.6	34	64	360
Lead	mg/kg	7	7	20	20	260
Mercury	mg/kg	<0.05	<0.05	<0.05	0.54	<0.05
Nickel	mg/kg	0.5	1.4	2.0	9.3	9.2
Zinc	mg/kg	4.4	27	16	69	2,100

Acid Extractable Metals in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----------	54460-R-23 Pit19/0.7 soil 1/08/2007	54460-R-24 Pit20/0.1 soil 6/08/2007	54460-R-25 Pit21/0.05 soil 2/08/2007	54460-R-26 Pit22/0.3 soil 2/08/2007	54460-R-27 Pit22/2.8 soil 2/08/2007
Arsenic	mg/kg	4	<3	5	3	<3
Cadmium	mg/kg	0.4	0.1	0.90	0.3	<0.1
Chromium	mg/kg	9.3	5.9	28	9.7	2.8
Copper	mg/kg	250	4.6	110	280	11
Lead	mg/kg	140	9.9	190	130	8
Mercury	mg/kg	0.13	<0.05	<0.05	0.08	<0.05
Nickel	mg/kg	9.2	0.99	8.5	9.1	5.3
Zinc	mg/kg	210	20	750	290	20

Acid Extractable Metals in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----------	54460-R-28 Pit23/0.9 soil 3/08/2007	54460-R-29 Pit24/0.6 soil 2/08/2007	54460-R-30 Pit25/0.5 soil 3/08/2007	54460-R-31 Pit26/0.3 soil 1/08/2007	54460-R-32 Pit27/0.05 soil 3/08/2007
Arsenic	mg/kg	6	<3	<3	3	<3
Cadmium	mg/kg	0.3	<0.1	0.4	0.3	0.3
Chromium	mg/kg	11	3.8	8.5	8.1	20
Copper	mg/kg	41	47	26	27	16
Lead	mg/kg	38	13	25	150	31
Mercury	mg/kg	0.08	0.37	0.09	<0.05	0.06
Nickel	mg/kg	5.6	5.3	12	6.5	2.6
Zinc	mg/kg	64	16	68	65	86

Acid Extractable Metals in Soil **Our Reference:** **Your Reference** **Sample Type** **Date Sampled**	**UNITS** ----------	**54460-R-33** **Pit28/0.15** **soil** **1/08/2007**	**54460-R-34** **Pit28/1.4** **soil** **1/08/2007**	**54460-R-35** **Pit29/0.3** **soil** **3/08/2007**	**54460-R-36** **Pit30/0.05** **soil** **1/08/2007**	**54460-R-37** **Pit31/0.7** **soil** **1/08/2007**
Arsenic	mg/kg	<3	<3	6	<3	<3
Cadmium	mg/kg	0.2	0.2	0.2	<0.1	0.1
Chromium	mg/kg	5.2	10	10	2.7	3.3
Copper	mg/kg	16	21	2.8	1.3	36
Lead	mg/kg	53	22	8	4	31
Mercury	mg/kg	0.05	0.06	<0.05	<0.05	0.10
Nickel	mg/kg	3.3	11	0.8	0.9	4.2
Zinc	mg/kg	62	98	7.4	10	48

Acid Extractable Metals in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----------	54460-R-38 Pit32/0.2 soil 6/08/2007	54460-R-39 Pit33/0.1 soil 6/08/2007	54460-R-40 Pit33/1.3 soil 6/08/2007	54460-R-41 Pit33/2.8 soil 6/08/2007	54460-R-42 Pit34/0.3 soil 6/08/2007
Arsenic	mg/kg	3	<3	7	<3	3
Cadmium	mg/kg	0.2	<0.1	0.2	<0.1	0.3
Chromium	mg/kg	4.2	2.7	6.3	5.3	11
Copper	mg/kg	16	2.9	71	0.5	11
Lead	mg/kg	19	5	39	3	29
Mercury	mg/kg	0.10	<0.05	0.10	<0.05	0.10
Nickel	mg/kg	5.3	1.7	9.7	0.5	2.5
Zinc	mg/kg	43	8.6	22	1.8	100

Acid Extractable Metals in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----------	54460-R-43 Pit23/0.02 soil 3/08/2007	54460-R-44 Pit36/0.8 soil 6/08/2007	54460-R-45 Pit36/2.5 soil 6/08/2007	54460-R-46 Pit37/1.2 soil 7/08/2007	54460-R-47 Pit38/0.3 soil 7/08/2007
Arsenic	mg/kg	8	<3	4	<3	<3
Cadmium	mg/kg	0.4	0.1	2.1	<0.1	0.1
Chromium	mg/kg	14	12	8.4	5.3	8.3
Copper	mg/kg	45	30	140	17	21
Lead	mg/kg	34	12	86	19	18
Mercury	mg/kg	<0.05	<0.05	0.10	0.08	0.13
Nickel	mg/kg	3.7	16	10	7.2	8.0
Zinc	mg/kg	98	8.8	890	20	21

Acid Extractable Metals in Soil **Our Reference:** **Your Reference** **Sample Type** **Date Sampled**	**UNITS** --- ---	**54460-R-48** **Pit39/0.05** **soil** **7/08/2007**	**54460-R-49** **Pit39/1.0** **soil** **7/08/2007**	**54460-R-50** **Pit40/0.6** **soil** **7/08/2007**	**54460-R-51** **Pit41/0.6** **soil** **7/08/2007**	**54460-R-52** **Pit42/0.3** **soil** **7/08/2007**
Arsenic	mg/kg	<3	<3	<3	<3	<3
Cadmium	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chromium	mg/kg	3.7	4.5	2.3	3.4	3.0
Copper	mg/kg	4.5	13	7.9	6.9	8.5
Lead	mg/kg	7	9.7	27	7	6
Mercury	mg/kg	<0.05	0.06	<0.05	<0.05	<0.05
Nickel	mg/kg	1.3	3.7	1.3	6.0	2.0
Zinc	mg/kg	7.6	10	35	13	10

Acid Extractable Metals in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS --- ---	54460-R-53 Pit43/0.1 soil 7/08/2007	54460-R-54 Pit44/0.9 soil 7/08/2007	54460-R-55 Pit45/0.1 soil 7/08/2007	54460-R-56 Pit46/0.2 soil 7/08/2007	54460-R-57 Pit47/0.2 soil 7/08/2007
Arsenic	mg/kg	<3	8	<3	<3	<3
Cadmium	mg/kg	0.3	1.5	<0.1	<0.1	0.1
Chromium	mg/kg	6.4	6.4	1.5	2.5	14
Copper	mg/kg	12	55	2.8	7.9	9.6
Lead	mg/kg	170	37	8	5	10
Mercury	mg/kg	<0.05	0.17	<0.05	<0.05	<0.05
Nickel	mg/kg	2.1	25	0.6	1.5	3.6
Zinc	mg/kg	230	110	24	9.3	26

Acid Extractable Metals in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS --- ---	54460-R-58 Pit48/0.4 soil 7/08/2007	54460-R-59 Pit49/0.4 soil 8/08/2007	54460-R-60 Pit50/0.3 soil 8/08/2007	54460-R-61 Pit52/0.1 soil 8/08/2007	54460-R-62 Pit53/0.1 soil 8/08/2007
Arsenic	mg/kg	<3	21	<3	<3	<3
Cadmium	mg/kg	<0.1	2.7	0.2	0.1	<0.1
Chromium	mg/kg	3.4	17	24	7.1	1.2
Copper	mg/kg	13	37	30	28	5.7
Lead	mg/kg	13	290	91	21	10
Mercury	mg/kg	<0.05	0.16	0.11	0.05	<0.05
Nickel	mg/kg	2.7	22	13	4.0	1.1
Zinc	mg/kg	15	980	110	21	29

Acid Extractable Metals in Soil **Our Reference:** **Your Reference** **Sample Type** **Date Sampled**	**UNITS** ----------	**54460-R-63** **Pit32/0.8** **soil** **6/08/2007**	**54460-R-64** **Pit61/0.3** **soil** **8/08/2007**	**54460-R-65** **Pit63/0.1** **soil** **8/08/2007**	**54460-R-66** **Pit65/0.2** **soil** **1/08/2007**	**54460-R-67** **Pit66/0.25** **soil** **31/07/2007**
Arsenic	mg/kg	<3	<3	<3	<3	<3
Cadmium	mg/kg	0.2	<0.1	0.3	0.3	0.2
Chromium	mg/kg	9.3	8.7	4.5	7.2	5.4
Copper	mg/kg	10	28	31	29	18
Lead	mg/kg	33	13	19	28	31
Mercury	mg/kg	<0.05	<0.05	0.06	0.08	<0.05
Nickel	mg/kg	2.0	6.4	8.8	4.4	3.6
Zinc	mg/kg	43	11	63	91	42

Acid Extractable Metals in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----------	54460-R-68 Pit67/0.05 soil 1/08/2007	54460-R-69 Pit68/0.02 soil 2/08/2007	54460-R-70 Bore101/1.0 soil 9/08/2007	54460-R-71 Bore101/2.5-2.95 soil 9/08/2007	54460-R-72 Bore102/0.2 soil 9/08/2007
Arsenic	mg/kg	<3	460	4	<3	<3
Cadmium	mg/kg	0.4	7.5	0.2	<0.1	0.2
Chromium	mg/kg	7.8	120	17	2.7	14
Copper	mg/kg	69	4,500	15	14	27
Lead	mg/kg	180	6,100	11	5	18
Mercury	mg/kg	<0.05	<0.05	0.16	<0.05	<0.05
Nickel	mg/kg	5.1	19	1.9	15	10
Zinc	mg/kg	290	73,000	37	16	75

Acid Extractable Metals in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----------	54460-R-73 Bore102/1.0 soil 9/08/2007	54460-R-74 Bore102/2.5-2.95 soil 9/08/2007	54460-R-75 Bore103/0.1 soil 9/08/2007	54460-R-76 Bore103/1.0-1.45 soil 9/08/2007	54460-R-77 Bore106/0.1 soil 9/08/2007
Arsenic	mg/kg	3	<3	4	<3	<3
Cadmium	mg/kg	0.2	0.1	0.2	1.4	<0.1
Chromium	mg/kg	8.7	5.0	10	8.1	24
Copper	mg/kg	21	70	34	73	22
Lead	mg/kg	19	9.7	39	45	6
Mercury	mg/kg	<0.05	0.08	0.12	0.06	0.09
Nickel	mg/kg	3.9	8.3	5.7	7.6	18
Zinc	mg/kg	42	19	32	320	20

Acid Extractable Metals in Soil **Our Reference:** **Your Reference** **Sample Type** **Date Sampled**	**UNITS** ----------	**54460-R-78** **Bore107/0.1** **soil** **10/08/2007**	**54460-R-79** **Bore108/1.0** **soil** **10/08/2007**	**54460-R-80** **D9** **soil** **1/08/2007**	**54460-R-81** **D11** **soil** **2/08/2007**	**54460-R-82** **D13** **soil** **2/08/2007**
Arsenic	mg/kg	<3	<3	4	<3	<3
Cadmium	mg/kg	0.3	0.1	0.4	<0.1	<0.1
Chromium	mg/kg	6.4	4.9	10	4.5	2.6
Copper	mg/kg	67	13	300	15	13
Lead	mg/kg	60	11	180	9.6	10
Mercury	mg/kg	0.12	0.05	0.15	0.54	<0.05
Nickel	mg/kg	5.8	4.4	9.9	6.0	5.6
Zinc	mg/kg	180	32	240	49	20

Acid Extractable Metals in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----------	54460-R-83 D14 soil 2/08/2007	54460-R-84 D18 soil 6/08/2007	54460-R-85 D21 soil 7/08/2007	54460-R-86 D24 soil 7/08/2007	54460-R-87 D101 soil 9/08/2007
Arsenic	mg/kg	450	9	<3	<3	4
Cadmium	mg/kg	5.9	0.2	<0.1	<0.1	0.3
Chromium	mg/kg	73	3.5	5.3	3.1	21
Copper	mg/kg	2,500	14	15	29	15
Lead	mg/kg	2,700	22	19	9.2	10
Mercury	mg/kg	<0.05	0.08	0.06	<0.05	0.13
Nickel	mg/kg	20	5.4	5.4	2.3	1.6
Zinc	mg/kg	50,000	44	12	17	47

Asbestos ID in soil		
Our Reference:	UNITS	54460-R-21
Your Reference	----------	Pit18/0.15
Sample Type	----------	soil
Date Sampled		2/08/2007
Sample Description		35g soil, rocks, sand, carbon
Asbestos ID in soil		Chrysotile asbestos detected Amosite asbestos detected

Asbestos ID in materials		
Our Reference:	UNITS	54460-R-22
Your Reference	----------	Pit18/0.15
Sample Type	----------	soil
Date Sampled		2/08/2007
Sample Description		Fibre cement fragment
Asbestos ID in materials		Chrysotile asbestos detected

Moisture Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-1 Pit1/1.2 soil 31/07/2007	54460-R-2 Pit2/0.05 soil 31/07/2007	54460-R-3 Pit3/0.5 soil 31/07/2007	54460-R-4 Pit4/0.05 soil 31/07/2007	54460-R-5 Pit5/0.05 soil 31/07/2007
Moisture	%	10	15	12	12	11

Moisture Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-6 Pit6/0.1 soil 31/07/2007	54460-R-7 Pit7/0.1 soil 31/07/2007	54460-R-8 Pit8/1.0 soil 31/07/2007	54460-R-9 Pit8/2.7 soil 31/07/2007	54460-R-10 Pit9/0.2 soil 6/08/2007
Moisture	%	15	19	14	17	14

Moisture Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-11 Pit10/1.1 soil 2/08/2007	54460-R-12 Pit11/0.4 soil 31/07/2007	54460-R-13 Pit12/0.7 soil 2/08/2007	54460-R-14 Pit13/0.1 soil 2/08/2007	54460-R-15 Pit13A/0.35 soil 2/08/2007
Moisture	%	16	14	21	23	17

Moisture Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-16 Pit14/0.3 soil 1/08/2007	54460-R-17 Pit15/0.1 soil 31/07/2007	54460-R-18 Pit16/0.2 soil 2/08/2007	54460-R-19 Pit17/1.9 soil 2/08/2007	54460-R-20 Pit18/0.15 soil 2/08/2007
Moisture	%	7	15	10	19	13

Moisture Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-23 Pit19/0.7 soil 1/08/2007	54460-R-24 Pit20/0.1 soil 6/08/2007	54460-R-25 Pit21/0.05 soil 2/08/2007	54460-R-26 Pit22/0.3 soil 2/08/2007	54460-R-27 Pit22/2.8 soil 2/08/2007
Moisture	%	30	10	8	9	24

Moisture Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-28 Pit23/0.9 soil 3/08/2007	54460-R-29 Pit24/0.6 soil 2/08/2007	54460-R-30 Pit25/0.5 soil 3/08/2007	54460-R-31 Pit26/0.3 soil 1/08/2007	54460-R-32 Pit27/0.05 soil 3/08/2007
Moisture	%	24	23	19	19	16

Moisture						
Our Reference:	**UNITS**	**54460-R-33**	**54460-R-34**	**54460-R-35**	**54460-R-36**	**54460-R-37**
Your Reference	**----------**	**Pit28/0.15**	**Pit28/1.4**	**Pit29/0.3**	**Pit30/0.05**	**Pit31/0.7**
Sample Type	**----------**	**soil**	**soil**	**soil**	**soil**	**soil**
Date Sampled		**1/08/2007**	**1/08/2007**	**3/08/2007**	**1/08/2007**	**1/08/2007**
Moisture	%	12	16	12	8	21

Moisture						
Our Reference:	UNITS	54460-R-38	54460-R-39	54460-R-40	54460-R-41	54460-R-42
Your Reference	----------	Pit32/0.2	Pit33/0.1	Pit33/1.3	Pit33/2.8	Pit34/0.3
Sample Type	----------	soil	soil	soil	soil	soil
Date Sampled		6/08/2007	6/08/2007	6/08/2007	6/08/2007	6/08/2007
Moisture	%	9	11	20	16	15

Moisture						
Our Reference:	UNITS	54460-R-43	54460-R-44	54460-R-45	54460-R-46	54460-R-47
Your Reference	----------	Pit23/0.02	Pit36/0.8	Pit36/2.5	Pit37/1.2	Pit38/0.3
Sample Type	----------	soil	soil	soil	soil	soil
Date Sampled		3/08/2007	6/08/2007	6/08/2007	7/08/2007	7/08/2007
Moisture	%	19	12	34	11	12

Moisture						
Our Reference:	UNITS	54460-R-48	54460-R-49	54460-R-50	54460-R-51	54460-R-52
Your Reference	----------	Pit39/0.05	Pit39/1.0	Pit40/0.6	Pit41/0.6	Pit42/0.3
Sample Type	----------	soil	soil	soil	soil	soil
Date Sampled		7/08/2007	7/08/2007	7/08/2007	7/08/2007	7/08/2007
Moisture	%	9	13	15	14	13

Moisture						
Our Reference:	UNITS	54460-R-53	54460-R-54	54460-R-55	54460-R-56	54460-R-57
Your Reference	----------	Pit43/0.1	Pit44/0.9	Pit45/0.1	Pit46/0.2	Pit47/0.2
Sample Type	----------	soil	soil	soil	soil	soil
Date Sampled		7/08/2007	7/08/2007	7/08/2007	7/08/2007	7/08/2007
Moisture	%	20	33	30	15	17

Moisture						
Our Reference:	UNITS	54460-R-58	54460-R-59	54460-R-60	54460-R-61	54460-R-62
Your Reference	----------	Pit48/0.4	Pit49/0.4	Pit50/0.3	Pit52/0.1	Pit53/0.1
Sample Type	----------	soil	soil	soil	soil	soil
Date Sampled		7/08/2007	8/08/2007	8/08/2007	8/08/2007	8/08/2007
Moisture	%	17	35	32	10	13

Moisture						
Our Reference:	UNITS	54460-R-63	54460-R-64	54460-R-65	54460-R-66	54460-R-67
Your Reference	----------	Pit32/0.8	Pit61/0.3	Pit63/0.1	Pit65/0.2	Pit66/0.25
Sample Type	----------	soil	soil	soil	soil	soil
Date Sampled		6/08/2007	8/08/2007	8/08/2007	1/08/2007	31/07/2007
Moisture	%	13	9	15	24	14

Moisture **Our Reference:** **Your Reference** **Sample Type** **Date Sampled**	**UNITS** **----------** **----------**	**54460-R-68** **Pit67/0.05** **soil** **1/08/2007**	**54460-R-69** **Pit68/0.02** **soil** **2/08/2007**	**54460-R-70** **Bore101/1.0** **soil** **9/08/2007**	**54460-R-71** **Bore101/2.5-2.95** **soil** **9/08/2007**	**54460-R-72** **Bore102/0.2** **soil** **9/08/2007**
Moisture	%	16	<1	16	38	11

Moisture Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-73 Bore102/1.0 soil 9/08/2007	54460-R-74 Bore102/2.5-2.95 soil 9/08/2007	54460-R-75 Bore103/0.1 soil 9/08/2007	54460-R-76 Bore103/1.0-1.45 soil 9/08/2007	54460-R-77 Bore106/0.1 soil 9/08/2007
Moisture	%	11	24	36	28	15

Moisture Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-78 Bore107/0.1 soil 10/08/2007	54460-R-79 Bore108/1.0 soil 10/08/2007	54460-R-80 D9 soil 1/08/2007	54460-R-81 D11 soil 2/08/2007	54460-R-82 D13 soil 2/08/2007
Moisture	%	22	27	30	19	22

Moisture Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460-R-83 D14 soil 2/08/2007	54460-R-84 D18 soil 6/08/2007	54460-R-85 D21 soil 7/08/2007	54460-R-86 D24 soil 7/08/2007	54460-R-87 D101 soil 9/08/2007
Moisture	%	<1	5	12	18	16

Method ID	Methodology Summary
SEO-017	BTEX/TRH C6-C9 - Determination by Purge and Trap Gas Chromatography with Flame Ionisation Detection (FID) and Photo Ionisation Detection (PID). The surrogate spike used is aaa-trifluorotoluene.
SEO-020	TRH - Determination of Total Recoverable Hydrocarbons by gas chromatography following extraction with DCM/Acetone for solids and DCM for liquids.
SEO-018	BTEX - Determination by purge and trap/ Gas Chromatography with MS Detection.
SEO-030	PAHs by GC/MS - Determination of Polynuclear Aromatic Hydrocarbons (PAH's) by Gas Chromatography / Mass Spectrometry following extraction with dichloromethane or dichloromethane/acetone. The surrogate spike used is p-Terphenyl-d14.
SEO-005	OC/OP/PCB - Determination of a suite of Organchlorine Pesticides, Chlorinated Organo-phosphorus Pesticides and Polychlorinated Biphenyls (PCB's) by sonication extraction using dichloromethane for waters or acetone / hexane for soils followed by Gas Chromatographic separation with Electron Capture Detection (GC/ECD). The surrogate spike used is 2,4,5,6-Tetrachloro-m-xylene.
SEM-010	Metals - Determination of various metals by ICP-AES following aqua regia digest.
SEM-005	Mercury - Determination of Mercury by Cold Vapour Generation Atomic Absorption Spectroscopy.
AN602	Qualitative identification of asbestos type fibres in bulk using Polarised Light Microscopy and Dispersion Staining Techniques. Accreditation does not cover the identification of Synthetic Mineral Fibre.
AN002	Preparation of soils, sediments and sludges undergo analysis by either air drying, compositing, subsampling and 1:5 soil water extraction where required. Moisture content is determined by drying the sample at 105 ± 5°C.

QUALITY CONTROL TRH/BTEX in Soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
TRH C_6 - C_9 P&T	mg/kg	20	SEO-017	<20	54460-1	<20 || <20	54460-45	93 || [N/T]
TRH C_{10} - C_{14}	mg/kg	20	SEO-020	<20	54460-1	33 || <20	54460-45	94 || [N/T]
TRH C_{15} - C_{28}	mg/kg	50	SEO-020	<50	54460-1	260 || 140 || RPD: 60	54460-45	104 || [N/T]
TRH C_{29} - C_{36}	mg/kg	50	SEO-020	<50	54460-1	98 || 61 || RPD: 47	54460-45	114 || [N/T]
Benzene	mg/kg	0.5	SEO-018	<0.5	54460-1	<0.5 || <0.5	54460-45	74 || [N/T]
Toluene	mg/kg	0.5	SEO-018	<0.5	54460-1	<0.5 || <0.5	54460-45	76 || [N/T]
Ethylbenzene	mg/kg	0.5	SEO-018	<0.5	54460-1	<0.5 || <0.5	54460-45	79 || [N/T]
Total Xylenes	mg/kg	1.5	SEO-018	<1.5	54460-1	<1.5 || <1.5	54460-45	82 || [N/T]
BTEX Surrogate (%)	%	0	SEO-018	97	54460-1	91 || 84 || RPD: 8	54460-45	80 || [N/T]
QUALITY CONTROL PAHs in Soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Naphthalene	mg/kg	0.1	SEO-030	<0.1	54460-1	0.1 || <0.1	54460-2	107 || [N/T]
Acenaphthylene	mg/kg	0.1	SEO-030	<0.1	54460-1	<0.1 || <0.1	54460-2	82 || [N/T]
Acenaphthene	mg/kg	0.1	SEO-030	<0.1	54460-1	<0.1 || <0.1	54460-2	121 || [N/T]
Fluorene	mg/kg	0.1	SEO-030	<0.1	54460-1	<0.1 || <0.1	[NR]	[NR]
Phenanthrene	mg/kg	0.1	SEO-030	<0.1	54460-1	1.8 || 1.1 || RPD: 48	54460-2	119 || [N/T]
Anthracene	mg/kg	0.1	SEO-030	<0.1	54460-1	0.1 || <0.1	54460-2	109 || [N/T]
Fluoranthene	mg/kg	0.1	SEO-030	<0.1	54460-1	1.0 || 0.7 || RPD: 35	54460-2	112 || [N/T]
Pyrene	mg/kg	0.1	SEO-030	<0.1	54460-1	0.5 || 0.4 || RPD: 22	54460-2	103 || [N/T]
Benzo[*a*]anthracene	mg/kg	0.1	SEO-030	<0.1	54460-1	0.4 || 0.3 || RPD: 29	[NR]	[NR]
Chrysene	mg/kg	0.1	SEO-030	<0.1	54460-1	0.4 || 0.3 || RPD: 29	[NR]	[NR]
Benzo[*b,k*]fluoranthene	mg/kg	0.2	SEO-030	<0.2	54460-1	0.3 || 0.2 || RPD: 40	[NR]	[NR]
Benzo[*a*]pyrene	mg/kg	0.05	SEO-030	<0.05	54460-1	0.08 || 0.06 || RPD: 29	54460-2	84 || [N/T]
Indeno[*123-cd*]pyrene	mg/kg	0.1	SEO-030	<0.1	54460-1	<0.1 || <0.1	[NR]	[NR]
Dibenzo[*ah*]anthracene	mg/kg	0.1	SEO-030	<0.1	54460-1	<0.1 || <0.1	[NR]	[NR]
Benzo[*ghi*]perylene	mg/kg	0.1	SEO-030	<0.1	54460-1	<0.1 || <0.1	[NR]	[NR]
Total PAH's	mg/kg	1.55	SEO-030	1.55	54460-1	<5.28 || <3.86	[NR]	[NR]
Nitrobenzene-d5	%	0	SEO-030	83	54460-1	95 || 98 || RPD: 3	54460-2	93 || [N/T]
2-Fluorobiphenyl	%	0	SEO-030	89	54460-1	90 || 87 || RPD: 3	54460-2	86 || [N/T]
p -Terphenyl-*d* 14	%	0	SEO-030	96	54460-1	102 || 109 || RPD: 7	54460-2	98 || [N/T]

QUALITY CONTROL OC Pesticides in Soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
HCB	mg/kg	0.1	SEO-005	<0.1	54460-3	<0.1 || <0.1	[NR]	[NR]
alpha-BHC	mg/kg	0.1	SEO-005	<0.1	54460-3	<0.1 || <0.1	[NR]	[NR]
gamma-BHC (Lindane)	mg/kg	0.1	SEO-005	<0.1	54460-3	<0.1 || <0.1	[NR]	[NR]
Heptachlor	mg/kg	0.1	SEO-005	<0.1	54460-3	<0.1 || <0.1	54460-5	101 || [N/T]
Aldrin	mg/kg	0.1	SEO-005	<0.1	54460-3	<0.1 || <0.1	54460-5	98 || [N/T]
beta-BHC	mg/kg	0.1	SEO-005	<0.1	54460-3	<0.1 || <0.1	[NR]	[NR]
delta-BHC	mg/kg	0.1	SEO-005	<0.1	54460-3	<0.1 || <0.1	54460-5	99 || [N/T]
Heptachlor Epoxide	mg/kg	0.1	SEO-005	<0.1	54460-3	<0.1 || <0.1	[NR]	[NR]
o,p'-DDE	mg/kg	0.1	SEO-005	<0.1	54460-3	<0.1 || <0.1	[NR]	[NR]
alpha-Endosulfan	mg/kg	0.1	SEO-005	<0.1	54460-3	<0.1 || <0.1	[NR]	[NR]
trans-Chlordane	mg/kg	0.1	SEO-005	<0.1	54460-3	<0.1 || <0.1	[NR]	[NR]
cis-Chlordane	mg/kg	0.1	SEO-005	<0.1	54460-3	<0.1 || <0.1	[NR]	[NR]
trans-Nonachlor	mg/kg	0.1	SEO-005	<0.1	54460-3	<0.1 || <0.1	[NR]	[NR]
p,p'-DDE	mg/kg	0.1	SEO-005	<0.1	54460-3	<0.1 || <0.1	[NR]	[NR]
Dieldrin	mg/kg	0.1	SEO-005	<0.1	54460-3	<0.1 || <0.1	54460-5	101 || [N/T]
Endrin	mg/kg	0.1	SEO-005	<0.1	54460-3	<0.1 || <0.1	54460-5	106 || [N/T]
o,p'-DDD	mg/kg	0.1	SEO-005	<0.1	54460-3	<0.1 || <0.1	[NR]	[NR]
o,p'-DDT	mg/kg	0.1	SEO-005	<0.1	54460-3	<0.1 || <0.1	[NR]	[NR]
beta-Endosulfan	mg/kg	0.1	SEO-005	<0.1	54460-3	<0.1 || <0.1	[NR]	[NR]
p,p'-DDD	mg/kg	0.1	SEO-005	<0.1	54460-3	<0.1 || <0.1	[NR]	[NR]
p,p'-DDT	mg/kg	0.1	SEO-005	<0.1	54460-3	<0.1 || <0.1	54460-5	104 || [N/T]
Endosulfan Sulphate	mg/kg	0.1	SEO-005	<0.1	54460-3	<0.1 || <0.1	[NR]	[NR]
Endrin Aldehyde	mg/kg	0.1	SEO-005	<0.1	54460-3	<0.1 || <0.1	[NR]	[NR]
Methoxychlor	mg/kg	0.1	SEO-005	<0.1	54460-3	<0.1 || <0.1	[NR]	[NR]
Endrin Ketone	mg/kg	0.1	SEO-005	<0.1	54460-3	<0.1 || <0.1	[NR]	[NR]
2,4,5,6-Tetrachloro-m-xylene *(Surrogate*	%	0	SEO-005	115	54460-3	122 || 121 || RPD: 1	54460-5	102 || [N/T]

QUALITY CONTROL OP Pesticides in Soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Chlorpyrifos	mg/kg	0.1	SEO-005	<0.1	54460-3	<0.1 || <0.1	54460-5	109 || [N/T]
Fenitrothion	mg/kg	0.1	SEO-005	<0.1	54460-3	<0.1 || <0.1	[NR]	[NR]
Bromofos Ethyl	mg/kg	0.1	SEO-005	<0.1	54460-3	<0.1 || <0.1	[NR]	[NR]
Ethion	mg/kg	0.1	SEO-005	<0.1	54460-3	<0.1 || <0.1	[NR]	[NR]
OP_Surrogate 1	%	0	SEO-005	115	54460-3	122 || 121 || RPD: 1	54460-5	102 || [N/T]
QUALITY CONTROL PCBs in Soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Arochlor 1016	mg/kg	0.1	SEO-005	<0.1	54460-3	<0.1 || <0.1	[NR]	[NR]
Arochlor 1221	mg/kg	0.1	SEO-005	<0.1	54460-3	<0.1 || <0.1	[NR]	[NR]
Arochlor 1232	mg/kg	0.1	SEO-005	<0.1	54460-3	<0.1 || <0.1	[NR]	[NR]
Arochlor 1242	mg/kg	0.1	SEO-005	<0.1	54460-3	<0.1 || <0.1	[NR]	[NR]
Arochlor 1248	mg/kg	0.1	SEO-005	<0.1	54460-3	<0.1 || <0.1	[NR]	[NR]
Arochlor 1254	mg/kg	0.1	SEO-005	<0.1	54460-3	<0.1 || <0.1	[NR]	[NR]
Arochlor 1260	mg/kg	0.1	SEO-005	<0.1	54460-3	<0.1 || <0.1	54460-5	118 || [N/T]
Arochlor 1262	mg/kg	0.1	SEO-005	<0.1	54460-3	<0.1 || <0.1	[NR]	[NR]
Arochlor 1268	mg/kg	0.1	SEO-005	<0.1	54460-3	<0.1 || <0.1	[NR]	[NR]
Total Positive PCB	mg/kg	0.9	SEO-005	0.90	54460-3	<0.90 || <0.90	[NR]	[NR]
PCB_Surrogate 1	%	0	SEO-005	115	54460-3	122 || 121 || RPD: 1	54460-5	113 || [N/T]
QUALITY CONTROL Acid Extractable Metals in Soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Arsenic	mg/kg	3	SEM-010	<3	54460-1	<3 || <3	54460-2	96 || [N/T]
Cadmium	mg/kg	0.1	SEM-010	<0.1	54460-1	0.1 || 0.1 || RPD: 0	54460-2	96 || [N/T]
Chromium	mg/kg	0.3	SEM-010	<0.3	54460-1	5.7 || 5.7 || RPD: 0	54460-2	95 || [N/T]
Copper	mg/kg	0.5	SEM-010	<0.5	54460-1	37 || 50 || RPD: 30	54460-2	95 || [N/T]
Lead	mg/kg	1	SEM-010	<1	54460-1	21 || 25 || RPD: 17	54460-2	89 || [N/T]
Mercury	mg/kg	0.05	SEM-005	<0.05	54460-1	0.05 || 0.06 || RPD: 18	54460-2	79 || [N/T]
Nickel	mg/kg	0.5	SEM-010	<0.5	54460-1	4.7 || 4.1 || RPD: 14	54460-2	93 || [N/T]
Zinc	mg/kg	0.3	SEM-010	<0.3	54460-1	49 || 52 || RPD: 6	54460-2	95 || [N/T]

QUALITY CONTROL Moisture	UNITS	PQL	METHOD	Blank
Moisture	%	1	AN002	<1

QUALITY CONTROL TRH/BTEX in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
TRH C_6 - C_9 P&T	mg/kg	54460-11	<20 || <20	54460-2	93 || [N/T]
TRH C_{10} - C_{14}	mg/kg	54460-11	<20 || <20	54460-2	88 || [N/T]
TRH C_{15} - C_{28}	mg/kg	54460-11	<50 || <50	54460-2	99 || [N/T]
TRH C_{29} - C_{36}	mg/kg	54460-11	<50 || <50	54460-2	85 || [N/T]
Benzene	mg/kg	54460-11	<0.5 || <0.5	54460-2	76 || [N/T]
Toluene	mg/kg	54460-11	<0.5 || <0.5	54460-2	78 || [N/T]
Ethylbenzene	mg/kg	54460-11	<0.5 || <0.5	54460-2	80 || [N/T]
Total Xylenes	mg/kg	54460-11	<1.5 || <1.5	54460-2	83 || [N/T]
BTEX Surrogate (%)	%	54460-11	73 || 76 || RPD: 4	54460-2	86 || [N/T]
QUALITY CONTROL PAHs in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Naphthalene	mg/kg	54460-11	<0.1 || <0.1	54460-25	101 || [N/T]
Acenaphthylene	mg/kg	54460-11	<0.1 || <0.1	54460-25	72 || [N/T]
Acenaphthene	mg/kg	54460-11	<0.1 || <0.1	54460-25	112 || [N/T]
Fluorene	mg/kg	54460-11	<0.1 || <0.1	[NR]	[NR]
Phenanthrene	mg/kg	54460-11	0.2 || 0.2 || RPD: 0	54460-25	88 || [N/T]
Anthracene	mg/kg	54460-11	<0.1 || <0.1	54460-25	94 || [N/T]
Fluoranthene	mg/kg	54460-11	0.1 || 0.1 || RPD: 0	54460-25	82 || [N/T]
Pyrene	mg/kg	54460-11	<0.1 || <0.1	54460-25	80 || [N/T]
Benzo[*a*]anthracene	mg/kg	54460-11	<0.1 || <0.1	[NR]	[NR]
Chrysene	mg/kg	54460-11	<0.1 || <0.1	[NR]	[NR]
Benzo[*b,k*]fluoranthene	mg/kg	54460-11	<0.2 || <0.2	[NR]	[NR]
Benzo[*a*]pyrene	mg/kg	54460-11	<0.05 || <0.05	54460-25	84 || [N/T]
Indeno[*123-cd*]pyrene	mg/kg	54460-11	<0.1 || <0.1	[NR]	[NR]
Dibenzo[*ah*]anthracene	mg/kg	54460-11	<0.1 || <0.1	[NR]	[NR]
Benzo[*ghi*]perylene	mg/kg	54460-11	<0.1 || <0.1	[NR]	[NR]
Total PAH's	mg/kg	54460-11	<1.65 || <1.65	[NR]	[NR]
Nitrobenzene-d5	%	54460-11	77 || 82 || RPD: 6	54460-25	90 || [N/T]
2-Fluorobiphenyl	%	54460-11	74 || 81 || RPD: 9	54460-25	86 || [N/T]
p -Terphenyl-*d14*	%	54460-11	89 || 101 || RPD: 13	54460-25	98 || [N/T]

QUALITY CONTROL OC Pesticides in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
HCB	mg/kg	54460-12	<0.1 || <0.1	[NR]	[NR]
alpha-BHC	mg/kg	54460-12	<0.1 || <0.1	[NR]	[NR]
gamma-BHC (Lindane)	mg/kg	54460-12	<0.1 || <0.1	[NR]	[NR]
Heptachlor	mg/kg	54460-12	<0.1 || <0.1	54460-26	79 || [N/T]
Aldrin	mg/kg	54460-12	<0.1 || <0.1	54460-26	87 || [N/T]
beta-BHC	mg/kg	54460-12	<0.1 || <0.1	[NR]	[NR]
delta-BHC	mg/kg	54460-12	<0.1 || <0.1	54460-26	85 || [N/T]
Heptachlor Epoxide	mg/kg	54460-12	<0.1 || <0.1	[NR]	[NR]
o,p'-DDE	mg/kg	54460-12	<0.1 || <0.1	[NR]	[NR]
alpha-Endosulfan	mg/kg	54460-12	<0.1 || <0.1	[NR]	[NR]
trans-Chlordane	mg/kg	54460-12	<0.1 || <0.1	[NR]	[NR]
cis-Chlordane	mg/kg	54460-12	<0.1 || <0.1	[NR]	[NR]
trans-Nonachlor	mg/kg	54460-12	<0.1 || <0.1	[NR]	[NR]
p,p'-DDE	mg/kg	54460-12	<0.1 || <0.1	[NR]	[NR]
Dieldrin	mg/kg	54460-12	<0.1 || <0.1	54460-26	83 || [N/T]
Endrin	mg/kg	54460-12	<0.1 || <0.1	54460-26	83 || [N/T]
o,p'-DDD	mg/kg	54460-12	<0.1 || <0.1	[NR]	[NR]
o,p'-DDT	mg/kg	54460-12	<0.1 || <0.1	[NR]	[NR]
beta-Endosulfan	mg/kg	54460-12	<0.1 || <0.1	[NR]	[NR]
p,p'-DDD	mg/kg	54460-12	<0.1 || <0.1	[NR]	[NR]
p,p'-DDT	mg/kg	54460-12	<0.1 || <0.1	54460-26	70 || [N/T]
Endosulfan Sulphate	mg/kg	54460-12	<0.1 || <0.1	[NR]	[NR]
Endrin Aldehyde	mg/kg	54460-12	<0.1 || <0.1	[NR]	[NR]
Methoxychlor	mg/kg	54460-12	<0.1 || <0.1	[NR]	[NR]
Endrin Ketone	mg/kg	54460-12	<0.1 || <0.1	[NR]	[NR]
2,4,5,6-Tetrachloro-m-xylene *(Surrogate*	%	54460-12	117 || 117 || RPD: 0	54460-26	113 || [N/T]

QUALITY CONTROL OP Pesticides in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Chlorpyrifos	mg/kg	54460-12	<0.1 || <0.1	54460-26	93 || [N/T]
Fenitrothion	mg/kg	54460-12	<0.1 || <0.1	[NR]	[NR]
Bromofos Ethyl	mg/kg	54460-12	<0.1 || <0.1	[NR]	[NR]
Ethion	mg/kg	54460-12	<0.1 || <0.1	[NR]	[NR]
OP_Surrogate 1	%	54460-12	117 || 117 || RPD: 0	54460-26	113 || [N/T]
QUALITY CONTROL PCBs in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Arochlor 1016	mg/kg	54460-12	<0.1 || <0.1	[NR]	[NR]
Arochlor 1221	mg/kg	54460-12	<0.1 || <0.1	[NR]	[NR]
Arochlor 1232	mg/kg	54460-12	<0.1 || <0.1	[NR]	[NR]
Arochlor 1242	mg/kg	54460-12	<0.1 || <0.1	[NR]	[NR]
Arochlor 1248	mg/kg	54460-12	<0.1 || <0.1	[NR]	[NR]
Arochlor 1254	mg/kg	54460-12	<0.1 || <0.1	[NR]	[NR]
Arochlor 1260	mg/kg	54460-12	<0.1 || <0.1	54460-26	103 || [N/T]
Arochlor 1262	mg/kg	54460-12	<0.1 || <0.1	[NR]	[NR]
Arochlor 1268	mg/kg	54460-12	<0.1 || <0.1	[NR]	[NR]
Total Positive PCB	mg/kg	54460-12	<0.90 || <0.90	[NR]	[NR]
PCB_Surrogate 1	%	54460-12	117 || 117 || RPD: 0	54460-26	112 || [N/T]
QUALITY CONTROL Acid Extractable Metals in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Arsenic	mg/kg	54460-11	10 || 7 || RPD: 35	54460-24	100 || [N/T]
Cadmium	mg/kg	54460-11	0.3 || 0.2 || RPD: 40	54460-24	95 || [N/T]
Chromium	mg/kg	54460-11	26 || 19 || RPD: 31	54460-24	105 || [N/T]
Copper	mg/kg	54460-11	65 || 58 || RPD: 11	54460-24	96 || [N/T]
Lead	mg/kg	54460-11	23 || 20 || RPD: 14	54460-24	93 || [N/T]
Mercury	mg/kg	54460-11	<0.05 || <0.05	54460-24	93 || [N/T]
Nickel	mg/kg	54460-11	3.4 || 3.4 || RPD: 0	54460-24	94 || [N/T]
Zinc	mg/kg	54460-11	29 || 33 || RPD: 13	54460-24	99 || [N/T]

QUALITY CONTROL **TRH/BTEX in Soil**	**UNITS**	**Dup. Sm#**	**Duplicate** **Base + Duplicate + %RPD**	**Spike Sm#**	**Matrix Spike % Recovery** **Duplicate + %RPD**
TRH C_6 - C_9 P&T	mg/kg	54460-34	<20 || <20	54460-24	92 || [N/T]
TRH C_{10} - C_{14}	mg/kg	54460-34	<20 || 22	[NR]	[NR]
TRH C_{15} - C_{28}	mg/kg	54460-34	160 || 230 || RPD: 36	[NR]	[NR]
TRH C_{29} - C_{36}	mg/kg	54460-34	130 || 140 || RPD: 7	[NR]	[NR]
Benzene	mg/kg	54460-34	<0.5 || <0.5	54460-24	78 || [N/T]
Toluene	mg/kg	54460-34	<0.5 || <0.5	54460-24	79 || [N/T]
Ethylbenzene	mg/kg	54460-34	<0.5 || <0.5	54460-24	81 || [N/T]
Total Xylenes	mg/kg	54460-34	<1.5 || <1.5	54460-24	85 || [N/T]
BTEX Surrogate (%)	%	54460-34	99 || 99 || RPD: 0	54460-24	89 || [N/T]
QUALITY CONTROL PAHs in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Naphthalene	mg/kg	54460-34	0.2 || 0.4 || RPD: 67	54460-45	104 || [N/T]
Acenaphthylene	mg/kg	54460-34	<0.1 || <0.1	54460-45	77 || [N/T]
Acenaphthene	mg/kg	54460-34	<0.1 || <0.1	54460-45	119 || [N/T]
Fluorene	mg/kg	54460-34	<0.1 || <0.1	[NR]	[NR]
Phenanthrene	mg/kg	54460-34	1.3 || 1.9 || RPD: 37	54460-45	80 || [N/T]
Anthracene	mg/kg	54460-34	<0.1 || 0.1	54460-45	103 || [N/T]
Fluoranthene	mg/kg	54460-34	0.7 || 1.0 || RPD: 35	54460-45	90 || [N/T]
Pyrene	mg/kg	54460-34	0.4 || 0.6 || RPD: 40	54460-45	87 || [N/T]
Benzo[*a*]anthracene	mg/kg	54460-34	0.3 || 0.5 || RPD: 50	[NR]	[NR]
Chrysene	mg/kg	54460-34	0.3 || 0.5 || RPD: 50	[NR]	[NR]
Benzo[*b,k*]fluoranthene	mg/kg	54460-34	0.3 || 0.4 || RPD: 29	[NR]	[NR]
Benzo[*a*]pyrene	mg/kg	54460-34	0.09 || 0.13 || RPD: 36	54460-45	100 || [N/T]
Indeno[*123-cd*]pyrene	mg/kg	54460-34	<0.1 || <0.1	[NR]	[NR]
Dibenzo[*ah*]anthracene	mg/kg	54460-34	<0.1 || <0.1	[NR]	[NR]
Benzo[*ghi*]perylene	mg/kg	54460-34	<0.1 || <0.1	[NR]	[NR]
Total PAH's	mg/kg	54460-34	<4.29 || <6.13	[NR]	[NR]
Nitrobenzene-d5	%	54460-34	89 || 97 || RPD: 9	54460-45	100 || [N/T]
2-Fluorobiphenyl	%	54460-34	90 || 93 || RPD: 3	54460-45	91 || [N/T]
p -Terphenyl-*d14*	%	54460-34	107 || 110 || RPD: 3	54460-45	97 || [N/T]

QUALITY CONTROL OC Pesticides in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
HCB	mg/kg	54460-39	<0.1 || <0.1	[NR]	[NR]
alpha-BHC	mg/kg	54460-39	<0.1 || <0.1	[NR]	[NR]
gamma-BHC (Lindane)	mg/kg	54460-39	<0.1 || <0.1	[NR]	[NR]
Heptachlor	mg/kg	54460-39	<0.1 || <0.1	54460-48	91 || [N/T]
Aldrin	mg/kg	54460-39	<0.1 || <0.1	54460-48	89 || [N/T]
beta-BHC	mg/kg	54460-39	<0.1 || <0.1	[NR]	[NR]
delta-BHC	mg/kg	54460-39	<0.1 || <0.1	54460-48	87 || [N/T]
Heptachlor Epoxide	mg/kg	54460-39	<0.1 || <0.1	[NR]	[NR]
o,p'-DDE	mg/kg	54460-39	<0.1 || <0.1	[NR]	[NR]
alpha-Endosulfan	mg/kg	54460-39	<0.1 || <0.1	[NR]	[NR]
trans-Chlordane	mg/kg	54460-39	<0.1 || <0.1	[NR]	[NR]
cis-Chlordane	mg/kg	54460-39	<0.1 || <0.1	[NR]	[NR]
trans-Nonachlor	mg/kg	54460-39	<0.1 || <0.1	[NR]	[NR]
p,p'-DDE	mg/kg	54460-39	<0.1 || <0.1	[NR]	[NR]
Dieldrin	mg/kg	54460-39	<0.1 || <0.1	54460-48	88 || [N/T]
Endrin	mg/kg	54460-39	<0.1 || <0.1	54460-48	93 || [N/T]
o,p'-DDD	mg/kg	54460-39	<0.1 || <0.1	[NR]	[NR]
o,p'-DDT	mg/kg	54460-39	<0.1 || <0.1	[NR]	[NR]
beta-Endosulfan	mg/kg	54460-39	<0.1 || <0.1	[NR]	[NR]
p,p'-DDD	mg/kg	54460-39	<0.1 || <0.1	[NR]	[NR]
p,p'-DDT	mg/kg	54460-39	<0.1 || <0.1	54460-48	96 || [N/T]
Endosulfan Sulphate	mg/kg	54460-39	<0.1 || <0.1	[NR]	[NR]
Endrin Aldehyde	mg/kg	54460-39	<0.1 || <0.1	[NR]	[NR]
Methoxychlor	mg/kg	54460-39	<0.1 || <0.1	[NR]	[NR]
Endrin Ketone	mg/kg	54460-39	<0.1 || <0.1	[NR]	[NR]
2,4,5,6-Tetrachloro-m-xylene *(Surrogate*	%	54460-39	99 || 107 || RPD: 8	54460-48	103 || [N/T]

QUALITY CONTROL OP Pesticides in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Chlorpyrifos	mg/kg	54460-39	<0.1 || <0.1	54460-48	104 || [N/T]
Fenitrothion	mg/kg	54460-39	<0.1 || <0.1	[NR]	[NR]
Bromofos Ethyl	mg/kg	54460-39	<0.1 || <0.1	[NR]	[NR]
Ethion	mg/kg	54460-39	<0.1 || <0.1	[NR]	[NR]
OP_Surrogate 1	%	54460-39	99 || 107 || RPD: 8	54460-48	103 || [N/T]
QUALITY CONTROL PCBs in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Arochlor 1016	mg/kg	54460-39	<0.1 || <0.1	[NR]	[NR]
Arochlor 1221	mg/kg	54460-39	<0.1 || <0.1	[NR]	[NR]
Arochlor 1232	mg/kg	54460-39	<0.1 || <0.1	[NR]	[NR]
Arochlor 1242	mg/kg	54460-39	<0.1 || <0.1	[NR]	[NR]
Arochlor 1248	mg/kg	54460-39	<0.1 || <0.1	[NR]	[NR]
Arochlor 1254	mg/kg	54460-39	<0.1 || <0.1	[NR]	[NR]
Arochlor 1260	mg/kg	54460-39	<0.1 || <0.1	54460-48	104 || [N/T]
Arochlor 1262	mg/kg	54460-39	<0.1 || <0.1	[NR]	[NR]
Arochlor 1268	mg/kg	54460-39	<0.1 || <0.1	[NR]	[NR]
Total Positive PCB	mg/kg	54460-39	<0.90 || <0.90	[NR]	[NR]
PCB_Surrogate 1	%	54460-39	99 || 107 || RPD: 8	54460-48	105 || [N/T]
QUALITY CONTROL Acid Extractable Metals in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Arsenic	mg/kg	54460-23	4 || 4 || RPD: 0	[NR]	[NR]
Cadmium	mg/kg	54460-23	0.4 || 0.4 || RPD: 0	[NR]	[NR]
Chromium	mg/kg	54460-23	9.3 || 9.9 || RPD: 6	[NR]	[NR]
Copper	mg/kg	54460-23	250 || 290 || RPD: 15	[NR]	[NR]
Lead	mg/kg	54460-23	140 || 160 || RPD: 13	[NR]	[NR]
Mercury	mg/kg	54460-23	0.13 || 0.15 || RPD: 14	54460-44	101 || [N/T]
Nickel	mg/kg	54460-23	9.2 || 9.4 || RPD: 2	[NR]	[NR]
Zinc	mg/kg	54460-23	210 || 200 || RPD: 5	[NR]	[NR]

QUALITY CONTROL TRH/BTEX in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
TRH C_6 - C_9 P&T	mg/kg	54460-44	<20 || <20	54460-65	99 || [N/T]
TRH C_{10} - C_{14}	mg/kg	54460-44	41 || 49 || RPD: 18	54460-65	101 || [N/T]
TRH C_{15} - C_{28}	mg/kg	54460-44	420 || 430 || RPD: 2	54460-65	102 || [N/T]
TRH C_{29} - C_{36}	mg/kg	54460-44	180 || 200 || RPD: 11	54460-65	113 || [N/T]
Benzene	mg/kg	54460-44	<0.5 || <0.5	54460-65	80 || [N/T]
Toluene	mg/kg	54460-44	<0.5 || <0.5	54460-65	82 || [N/T]
Ethylbenzene	mg/kg	54460-44	<0.5 || <0.5	54460-65	83 || [N/T]
Total Xylenes	mg/kg	54460-44	<1.5 || <1.5	54460-65	87 || [N/T]
BTEX Surrogate (%)	%	54460-44	86 || 97 || RPD: 12	54460-65	130 || [N/T]
QUALITY CONTROL PAHs in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Naphthalene	mg/kg	54460-23	0.4 || 0.4 || RPD: 0	54460-65	103 || [N/T]
Acenaphthylene	mg/kg	54460-23	<0.1 || <0.1	54460-65	86 || [N/T]
Acenaphthene	mg/kg	54460-23	<0.1 || <0.1	54460-65	125 || [N/T]
Fluorene	mg/kg	54460-23	<0.1 || <0.1	[NR]	[NR]
Phenanthrene	mg/kg	54460-23	1.6 || 1.8 || RPD: 12	54460-65	110 || [N/T]
Anthracene	mg/kg	54460-23	0.1 || 0.2 || RPD: 67	54460-65	108 || [N/T]
Fluoranthene	mg/kg	54460-23	0.7 || 0.9 || RPD: 25	54460-65	105 || [N/T]
Pyrene	mg/kg	54460-23	0.6 || 0.7 || RPD: 15	54460-65	105 || [N/T]
Benzo[*a*]anthracene	mg/kg	54460-23	0.4 || 0.4 || RPD: 0	[NR]	[NR]
Chrysene	mg/kg	54460-23	0.5 || 0.6 || RPD: 18	[NR]	[NR]
Benzo[*b,k*]fluoranthene	mg/kg	54460-23	0.4 || 0.4 || RPD: 0	[NR]	[NR]
Benzo[*a*]pyrene	mg/kg	54460-23	0.17 || 0.21 || RPD: 21	54460-65	115 || [N/T]
Indeno[*123-cd*]pyrene	mg/kg	54460-23	<0.1 || 0.1	[NR]	[NR]
Dibenzo[*ah*]anthracene	mg/kg	54460-23	<0.1 || <0.1	[NR]	[NR]
Benzo[*ghi*]perylene	mg/kg	54460-23	0.1 || 0.2 || RPD: 67	[NR]	[NR]
Total PAH's	mg/kg	54460-23	<5.47 || <6.31	[NR]	[NR]
Nitrobenzene-d5	%	54460-23	96 || 89 || RPD: 8	54460-65	88 || [N/T]
2-Fluorobiphenyl	%	54460-23	92 || 86 || RPD: 7	54460-65	87 || [N/T]
p -Terphenyl-*d14*	%	54460-23	99 || 97 || RPD: 2	54460-65	106 || [N/T]

QUALITY CONTROL OC Pesticides in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
HCB	mg/kg	54460-49	<0.1 || <0.1	[NR]	[NR]
alpha-BHC	mg/kg	54460-49	<0.1 || <0.1	[NR]	[NR]
gamma-BHC (Lindane)	mg/kg	54460-49	<0.1 || <0.1	[NR]	[NR]
Heptachlor	mg/kg	54460-49	<0.1 || <0.1	54460-70	93 || [N/T]
Aldrin	mg/kg	54460-49	<0.1 || <0.1	54460-70	92 || [N/T]
beta-BHC	mg/kg	54460-49	<0.1 || <0.1	[NR]	[NR]
delta-BHC	mg/kg	54460-49	<0.1 || <0.1	54460-70	88 || [N/T]
Heptachlor Epoxide	mg/kg	54460-49	<0.1 || <0.1	[NR]	[NR]
o,p'-DDE	mg/kg	54460-49	<0.1 || <0.1	[NR]	[NR]
alpha-Endosulfan	mg/kg	54460-49	<0.1 || <0.1	[NR]	[NR]
trans-Chlordane	mg/kg	54460-49	<0.1 || <0.1	[NR]	[NR]
cis-Chlordane	mg/kg	54460-49	<0.1 || <0.1	[NR]	[NR]
trans-Nonachlor	mg/kg	54460-49	<0.1 || <0.1	[NR]	[NR]
p,p'-DDE	mg/kg	54460-49	<0.1 || <0.1	[NR]	[NR]
Dieldrin	mg/kg	54460-49	<0.1 || <0.1	54460-70	94 || [N/T]
Endrin	mg/kg	54460-49	<0.1 || <0.1	54460-70	97 || [N/T]
o,p'-DDD	mg/kg	54460-49	<0.1 || <0.1	[NR]	[NR]
o,p'-DDT	mg/kg	54460-49	<0.1 || <0.1	[NR]	[NR]
beta-Endosulfan	mg/kg	54460-49	<0.1 || <0.1	[NR]	[NR]
p,p'-DDD	mg/kg	54460-49	<0.1 || <0.1	[NR]	[NR]
p,p'-DDT	mg/kg	54460-49	<0.1 || <0.1	54460-70	96 || [N/T]
Endosulfan Sulphate	mg/kg	54460-49	<0.1 || <0.1	[NR]	[NR]
Endrin Aldehyde	mg/kg	54460-49	<0.1 || <0.1	[NR]	[NR]
Methoxychlor	mg/kg	54460-49	<0.1 || <0.1	[NR]	[NR]
Endrin Ketone	mg/kg	54460-49	<0.1 || <0.1	[NR]	[NR]
2,4,5,6-Tetrachloro-m-xylene *(Surrogate*	%	54460-49	103 || 105 || RPD: 2	54460-70	105 || [N/T]

QUALITY CONTROL OP Pesticides in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Chlorpyrifos	mg/kg	54460-49	<0.1 || <0.1	54460-70	101 || [N/T]
Fenitrothion	mg/kg	54460-49	<0.1 || <0.1	[NR]	[NR]
Bromofos Ethyl	mg/kg	54460-49	<0.1 || <0.1	[NR]	[NR]
Ethion	mg/kg	54460-49	<0.1 || <0.1	[NR]	[NR]
OP_Surrogate 1	%	54460-49	103 || 105 || RPD: 2	54460-70	105 || [N/T]
QUALITY CONTROL PCBs in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Arochlor 1016	mg/kg	54460-49	<0.1 || <0.1	[NR]	[NR]
Arochlor 1221	mg/kg	54460-49	<0.1 || <0.1	[NR]	[NR]
Arochlor 1232	mg/kg	54460-49	<0.1 || <0.1	[NR]	[NR]
Arochlor 1242	mg/kg	54460-49	<0.1 || <0.1	[NR]	[NR]
Arochlor 1248	mg/kg	54460-49	<0.1 || <0.1	[NR]	[NR]
Arochlor 1254	mg/kg	54460-49	<0.1 || <0.1	[NR]	[NR]
Arochlor 1260	mg/kg	54460-49	<0.1 || <0.1	54460-70	105 || [N/T]
Arochlor 1262	mg/kg	54460-49	<0.1 || <0.1	[NR]	[NR]
Arochlor 1268	mg/kg	54460-49	<0.1 || <0.1	[NR]	[NR]
Total Positive PCB	mg/kg	54460-49	<0.90 || <0.90	[NR]	[NR]
PCB_Surrogate 1	%	54460-49	103 || 105 || RPD: 2	54460-70	104 || [N/T]
QUALITY CONTROL Acid Extractable Metals in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Mercury	mg/kg	54460-33	0.05 || 0.05 || RPD: 0	54460-64	89 || [N/T]
QUALITY CONTROL TRH/BTEX in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
TRH C_6 - C_9 P&T	mg/kg	54460-54	<20 || <20	54460-85	92 || [N/T]
TRH C_{10} - C_{14}	mg/kg	54460-54	<20 || <20	[NR]	[NR]
TRH C_{15} - C_{28}	mg/kg	54460-54	<50 || <50	[NR]	[NR]
TRH C_{29} - C_{36}	mg/kg	54460-54	<50 || <50	[NR]	[NR]
Benzene	mg/kg	54460-54	<0.5 || <0.5	54460-85	78 || [N/T]
Toluene	mg/kg	54460-54	<0.5 || <0.5	54460-85	78 || [N/T]
Ethylbenzene	mg/kg	54460-54	<0.5 || <0.5	54460-85	83 || [N/T]
Total Xylenes	mg/kg	54460-54	<1.5 || <1.5	54460-85	83 || [N/T]
BTEX Surrogate (%)	%	54460-54	90 || 87 || RPD: 3	54460-85	88 || [N/T]

QUALITY CONTROL PAHs in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
Naphthalene	mg/kg	54460-44	0.1 || <0.1
Acenaphthylene	mg/kg	54460-44	<0.1 || <0.1
Acenaphthene	mg/kg	54460-44	<0.1 || <0.1
Fluorene	mg/kg	54460-44	<0.1 || <0.1
Phenanthrene	mg/kg	54460-44	3.1 || 2.1 || RPD: 38
Anthracene	mg/kg	54460-44	0.2 || <0.1
Fluoranthene	mg/kg	54460-44	1.6 || 1.2 || RPD: 29
Pyrene	mg/kg	54460-44	0.8 || 0.6 || RPD: 29
Benzo[*a*]anthracene	mg/kg	54460-44	0.5 || 0.4 || RPD: 22
Chrysene	mg/kg	54460-44	0.5 || 0.3 || RPD: 50
Benzo[*b,k*]fluoranthene	mg/kg	54460-44	0.3 || 0.3 || RPD: 0
Benzo[*a*]pyrene	mg/kg	54460-44	0.11 || 0.09 || RPD: 20
Indeno[*123-cd*]pyrene	mg/kg	54460-44	<0.1 || <0.1
Dibenzo[*ah*]anthracene	mg/kg	54460-44	<0.1 || <0.1
Benzo[*ghi*]perylene	mg/kg	54460-44	<0.1 || <0.1
Total PAH's	mg/kg	54460-44	<7.81 || <5.79
Nitrobenzene-d5	%	54460-44	92 || 98 || RPD: 6
2-Fluorobiphenyl	%	54460-44	84 || 89 || RPD: 6
p -Terphenyl-*d14*	%	54460-44	91 || 96 || RPD: 5

QUALITY CONTROL OC Pesticides in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
HCB	mg/kg	54460-61	<0.1 || <0.1
alpha-BHC	mg/kg	54460-61	<0.1 || <0.1
gamma-BHC (Lindane)	mg/kg	54460-61	<0.1 || <0.1
Heptachlor	mg/kg	54460-61	<0.1 || <0.1
Aldrin	mg/kg	54460-61	<0.1 || <0.1
beta-BHC	mg/kg	54460-61	<0.1 || <0.1
delta-BHC	mg/kg	54460-61	<0.1 || <0.1
Heptachlor Epoxide	mg/kg	54460-61	<0.1 || <0.1
o,p'-DDE	mg/kg	54460-61	<0.1 || <0.1
alpha-Endosulfan	mg/kg	54460-61	<0.1 || <0.1
trans-Chlordane	mg/kg	54460-61	<0.1 || <0.1
cis-Chlordane	mg/kg	54460-61	<0.1 || <0.1
trans-Nonachlor	mg/kg	54460-61	<0.1 || <0.1
p,p'-DDE	mg/kg	54460-61	<0.1 || <0.1
Dieldrin	mg/kg	54460-61	<0.1 || <0.1
Endrin	mg/kg	54460-61	<0.1 || <0.1
o,p'-DDD	mg/kg	54460-61	<0.1 || <0.1
o,p'-DDT	mg/kg	54460-61	<0.1 || <0.1
beta-Endosulfan	mg/kg	54460-61	<0.1 || <0.1
p,p'-DDD	mg/kg	54460-61	<0.1 || <0.1
p,p'-DDT	mg/kg	54460-61	<0.1 || <0.1
Endosulfan Sulphate	mg/kg	54460-61	<0.1 || <0.1
Endrin Aldehyde	mg/kg	54460-61	<0.1 || <0.1
Methoxychlor	mg/kg	54460-61	<0.1 || <0.1
Endrin Ketone	mg/kg	54460-61	<0.1 || <0.1
2,4,5,6-Tetrachloro-m-xylene *(Surrogate*	%	54460-61	106 || 109 || RPD: 3

QUALITY CONTROL OP Pesticides in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
Chlorpyrifos	mg/kg	54460-61	<0.1 || <0.1
Fenitrothion	mg/kg	54460-61	<0.1 || <0.1
Bromofos Ethyl	mg/kg	54460-61	<0.1 || <0.1
Ethion	mg/kg	54460-61	<0.1 || <0.1
OP_Surrogate 1	%	54460-61	106 || 109 || RPD: 3

QUALITY CONTROL PCBs in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
Arochlor 1016	mg/kg	54460-61	<0.1 || <0.1
Arochlor 1221	mg/kg	54460-61	<0.1 || <0.1
Arochlor 1232	mg/kg	54460-61	<0.1 || <0.1
Arochlor 1242	mg/kg	54460-61	<0.1 || <0.1
Arochlor 1248	mg/kg	54460-61	<0.1 || <0.1
Arochlor 1254	mg/kg	54460-61	<0.1 || <0.1
Arochlor 1260	mg/kg	54460-61	<0.1 || <0.1
Arochlor 1262	mg/kg	54460-61	<0.1 || <0.1
Arochlor 1268	mg/kg	54460-61	<0.1 || <0.1
Total Positive PCB	mg/kg	54460-61	<0.90 || <0.90
PCB_Surrogate 1	%	54460-61	106 || 109 || RPD: 3

QUALITY CONTROL Acid Extractable Metals in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Mercury	mg/kg	54460-43	<0.05 || <0.05	54460-84	93 || [N/T]

QUALITY CONTROL TRH/BTEX in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
TRH C_6 - C_9 P&T	mg/kg	54460-84	<20 || <20	[NR]	[NR]
TRH C_{10} - C_{14}	mg/kg	54460-84	<20 || <20	54460-25	94 || [N/T]
TRH C_{15} - C_{28}	mg/kg	54460-84	<50 || <50	54460-25	100 || [N/T]
TRH C_{29} - C_{36}	mg/kg	54460-84	<50 || <50	54460-25	107 || [N/T]
Benzene	mg/kg	54460-84	<0.5 || <0.5	[NR]	[NR]
Toluene	mg/kg	54460-84	<0.5 || <0.5	[NR]	[NR]
Ethylbenzene	mg/kg	54460-84	<0.5 || <0.5	[NR]	[NR]
Total Xylenes	mg/kg	54460-84	<1.5 || <1.5	[NR]	[NR]
BTEX Surrogate (%)	%	54460-84	79 || 80 || RPD: 1	[NR]	[NR]

QUALITY CONTROL PAHs in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
Naphthalene	mg/kg	54460-54	<0.1 || <0.1
Acenaphthylene	mg/kg	54460-54	<0.1 || <0.1
Acenaphthene	mg/kg	54460-54	<0.1 || <0.1
Fluorene	mg/kg	54460-54	<0.1 || <0.1
Phenanthrene	mg/kg	54460-54	<0.1 || <0.1
Anthracene	mg/kg	54460-54	<0.1 || <0.1
Fluoranthene	mg/kg	54460-54	<0.1 || <0.1
Pyrene	mg/kg	54460-54	<0.1 || <0.1
Benzo[*a*]anthracene	mg/kg	54460-54	<0.1 || <0.1
Chrysene	mg/kg	54460-54	<0.1 || <0.1
Benzo[*b,k*]fluoranthene	mg/kg	54460-54	<0.2 || <0.2
Benzo[*a*]pyrene	mg/kg	54460-54	<0.05 || <0.05
Indeno[*123-cd*]pyrene	mg/kg	54460-54	<0.1 || <0.1
Dibenzo[*ah*]anthracene	mg/kg	54460-54	<0.1 || <0.1
Benzo[*ghi*]perylene	mg/kg	54460-54	<0.1 || <0.1
Total PAH's	mg/kg	54460-54	<1.55 || <1.55
Nitrobenzene-d5	%	54460-54	96 || 96 || RPD: 0
2-Fluorobiphenyl	%	54460-54	91 || 94 || RPD: 3
p -Terphenyl-*d14*	%	54460-54	107 || 110 || RPD: 3

QUALITY CONTROL OC Pesticides in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
HCB	mg/kg	54460-75	<0.1 || <0.1
alpha-BHC	mg/kg	54460-75	<0.1 || <0.1
gamma-BHC (Lindane)	mg/kg	54460-75	<0.1 || <0.1
Heptachlor	mg/kg	54460-75	<0.1 || <0.1
Aldrin	mg/kg	54460-75	<0.1 || <0.1
beta-BHC	mg/kg	54460-75	<0.1 || <0.1
delta-BHC	mg/kg	54460-75	<0.1 || <0.1
Heptachlor Epoxide	mg/kg	54460-75	<0.1 || <0.1
o,p'-DDE	mg/kg	54460-75	<0.1 || <0.1
alpha-Endosulfan	mg/kg	54460-75	<0.1 || <0.1
trans-Chlordane	mg/kg	54460-75	<0.1 || <0.1
cis-Chlordane	mg/kg	54460-75	<0.1 || <0.1
trans-Nonachlor	mg/kg	54460-75	<0.1 || <0.1
p,p'-DDE	mg/kg	54460-75	<0.1 || <0.1
Dieldrin	mg/kg	54460-75	<0.1 || <0.1
Endrin	mg/kg	54460-75	<0.1 || <0.1
o,p'-DDD	mg/kg	54460-75	<0.1 || <0.1
o,p'-DDT	mg/kg	54460-75	<0.1 || <0.1
beta-Endosulfan	mg/kg	54460-75	<0.1 || <0.1
p,p'-DDD	mg/kg	54460-75	<0.1 || <0.1
p,p'-DDT	mg/kg	54460-75	<0.1 || <0.1
Endosulfan Sulphate	mg/kg	54460-75	<0.1 || <0.1
Endrin Aldehyde	mg/kg	54460-75	<0.1 || <0.1
Methoxychlor	mg/kg	54460-75	<0.1 || <0.1
Endrin Ketone	mg/kg	54460-75	<0.1 || <0.1
2,4,5,6-Tetrachloro-m-xylene *(Surrogate*	%	54460-75	119 || 115 || RPD: 3

QUALITY CONTROL OP Pesticides in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
Chlorpyrifos	mg/kg	54460-75	<0.1 || <0.1
Fenitrothion	mg/kg	54460-75	<0.1 || <0.1
Bromofos Ethyl	mg/kg	54460-75	<0.1 || <0.1
Ethion	mg/kg	54460-75	<0.1 || <0.1
OP_Surrogate 1	%	54460-75	119 || 115 || RPD: 3

QUALITY CONTROL PCBs in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
Arochlor 1016	mg/kg	54460-75	<0.1 || <0.1
Arochlor 1221	mg/kg	54460-75	<0.1 || <0.1
Arochlor 1232	mg/kg	54460-75	<0.1 || <0.1
Arochlor 1242	mg/kg	54460-75	<0.1 || <0.1
Arochlor 1248	mg/kg	54460-75	<0.1 || <0.1
Arochlor 1254	mg/kg	54460-75	<0.1 || <0.1
Arochlor 1260	mg/kg	54460-75	<0.1 || <0.1
Arochlor 1262	mg/kg	54460-75	<0.1 || <0.1
Arochlor 1268	mg/kg	54460-75	<0.1 || <0.1
Total Positive PCB	mg/kg	54460-75	<0.90 || <0.90
PCB_Surrogate 1	%	54460-75	119 || 115 || RPD: 3

QUALITY CONTROL Acid Extractable Metals in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Mercury	mg/kg	54460-53	<0.05 || <0.05	[NR]	[NR]

QUALITY CONTROL PAHs in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
Naphthalene	mg/kg	54460-64	<0.1 || <0.1
Acenaphthylene	mg/kg	54460-64	<0.1 || <0.1
Acenaphthene	mg/kg	54460-64	<0.1 || <0.1
Fluorene	mg/kg	54460-64	<0.1 || <0.1
Phenanthrene	mg/kg	54460-64	0.7 || 0.6 || RPD: 15
Anthracene	mg/kg	54460-64	<0.1 || <0.1
Fluoranthene	mg/kg	54460-64	0.4 || 0.4 || RPD: 0
Pyrene	mg/kg	54460-64	0.2 || 0.2 || RPD: 0
Benzo[a]anthracene	mg/kg	54460-64	0.1 || 0.1 || RPD: 0
Chrysene	mg/kg	54460-64	0.1 || 0.1 || RPD: 0
Benzo[*b,k*]fluoranthene	mg/kg	54460-64	<0.2 || <0.2
Benzo[a]pyrene	mg/kg	54460-64	<0.05 || <0.05

QUALITY CONTROL PAHs in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
Indeno[*123-cd*]pyrene	mg/kg	54460-64	<0.1 || <0.1
Dibenzo[*ah*]anthracene	mg/kg	54460-64	<0.1 || <0.1
Benzo[*ghi*]perylene	mg/kg	54460-64	<0.1 || <0.1
Total PAH's	mg/kg	54460-64	<2.55 || <2.45
Nitrobenzene-d5	%	54460-64	101 || 96 || RPD: 5
2-Fluorobiphenyl	%	54460-64	95 || 93 || RPD: 2
p -Terphenyl-*d14*	%	54460-64	105 || 104 || RPD: 1
QUALITY CONTROL OC Pesticides in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
HCB	mg/kg	54460-24	<0.1 || <0.1
alpha-BHC	mg/kg	54460-24	<0.1 || <0.1
gamma-BHC (Lindane)	mg/kg	54460-24	<0.1 || <0.1
Heptachlor	mg/kg	54460-24	<0.1 || <0.1
Aldrin	mg/kg	54460-24	<0.1 || <0.1
beta-BHC	mg/kg	54460-24	<0.1 || <0.1
delta-BHC	mg/kg	54460-24	<0.1 || <0.1
Heptachlor Epoxide	mg/kg	54460-24	<0.1 || <0.1
o,p'-DDE	mg/kg	54460-24	<0.1 || <0.1
alpha-Endosulfan	mg/kg	54460-24	<0.1 || <0.1
trans-Chlordane	mg/kg	54460-24	<0.1 || <0.1
cis-Chlordane	mg/kg	54460-24	<0.1 || <0.1
trans-Nonachlor	mg/kg	54460-24	<0.1 || <0.1
p,p'-DDE	mg/kg	54460-24	<0.1 || <0.1
Dieldrin	mg/kg	54460-24	<0.1 || <0.1
Endrin	mg/kg	54460-24	<0.1 || <0.1
o,p'-DDD	mg/kg	54460-24	<0.1 || <0.1
o,p'-DDT	mg/kg	54460-24	<0.1 || <0.1
beta-Endosulfan	mg/kg	54460-24	<0.1 || <0.1
p,p'-DDD	mg/kg	54460-24	<0.1 || <0.1
p,p'-DDT	mg/kg	54460-24	<0.1 || <0.1
Endosulfan Sulphate	mg/kg	54460-24	<0.1 || <0.1
Endrin Aldehyde	mg/kg	54460-24	<0.1 || <0.1
Methoxychlor	mg/kg	54460-24	<0.1 || <0.1
Endrin Ketone	mg/kg	54460-24	<0.1 || <0.1
2,4,5,6-Tetrachloro-m-xylene *(Surrogate*	%	54460-24	112 || 109 || RPD: 3

QUALITY CONTROL OP Pesticides in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
Chlorpyrifos	mg/kg	54460-24	<0.1 || <0.1
Fenitrothion	mg/kg	54460-24	<0.1 || <0.1
Bromofos Ethyl	mg/kg	54460-24	<0.1 || <0.1
Ethion	mg/kg	54460-24	<0.1 || <0.1
OP_Surrogate 1	%	54460-24	112 || 109 || RPD: 3

QUALITY CONTROL PCBs in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
Arochlor 1016	mg/kg	54460-24	<0.1 || <0.1
Arochlor 1221	mg/kg	54460-24	<0.1 || <0.1
Arochlor 1232	mg/kg	54460-24	<0.1 || <0.1
Arochlor 1242	mg/kg	54460-24	<0.1 || <0.1
Arochlor 1248	mg/kg	54460-24	<0.1 || <0.1
Arochlor 1254	mg/kg	54460-24	<0.1 || <0.1
Arochlor 1260	mg/kg	54460-24	<0.1 || <0.1
Arochlor 1262	mg/kg	54460-24	<0.1 || <0.1
Arochlor 1268	mg/kg	54460-24	<0.1 || <0.1
Total Positive PCB	mg/kg	54460-24	<0.90 || <0.90
PCB_Surrogate 1	%	54460-24	112 || 109 || RPD: 3

QUALITY CONTROL Acid Extractable Metals in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Mercury	mg/kg	54460-63	<0.05 || <0.05	[NR]	[NR]

QUALITY CONTROL PAHs in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
Naphthalene	mg/kg	54460-74	<0.1 || <0.1
Acenaphthylene	mg/kg	54460-74	<0.1 || <0.1
Acenaphthene	mg/kg	54460-74	<0.1 || <0.1
Fluorene	mg/kg	54460-74	<0.1 || <0.1
Phenanthrene	mg/kg	54460-74	0.4 || 0.4 || RPD: 0
Anthracene	mg/kg	54460-74	<0.1 || <0.1
Fluoranthene	mg/kg	54460-74	0.2 || 0.2 || RPD: 0
Pyrene	mg/kg	54460-74	0.2 || 0.1 || RPD: 67
Benzo[a]anthracene	mg/kg	54460-74	0.1 || 0.1 || RPD: 0
Chrysene	mg/kg	54460-74	0.1 || 0.1 || RPD: 0
Benzo[*b,k*]fluoranthene	mg/kg	54460-74	<0.2 || <0.2
Benzo[a]pyrene	mg/kg	54460-74	0.05 || 0.07 || RPD: 33

QUALITY CONTROL PAHs in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
Indeno[*123-cd*]pyrene	mg/kg	54460-74	<0.1 || <0.1
Dibenzo[*ah*]anthracene	mg/kg	54460-74	<0.1 || <0.1
Benzo[*ghi*]perylene	mg/kg	54460-74	<0.1 || <0.1
Total PAH's	mg/kg	54460-74	<2.05 || <1.97
Nitrobenzene-d5	%	54460-74	96 || 99 || RPD: 3
2-Fluorobiphenyl	%	54460-74	94 || 96 || RPD: 2
p -Terphenyl-*d14*	%	54460-74	104 || 112 || RPD: 7
QUALITY CONTROL OC Pesticides in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
HCB	mg/kg	54460-27	<0.1 || <0.1
alpha-BHC	mg/kg	54460-27	<0.1 || <0.1
gamma-BHC (Lindane)	mg/kg	54460-27	<0.1 || <0.1
Heptachlor	mg/kg	54460-27	<0.1 || <0.1
Aldrin	mg/kg	54460-27	<0.1 || <0.1
beta-BHC	mg/kg	54460-27	<0.1 || <0.1
delta-BHC	mg/kg	54460-27	<0.1 || <0.1
Heptachlor Epoxide	mg/kg	54460-27	<0.1 || <0.1
o,p'-DDE	mg/kg	54460-27	<0.1 || <0.1
alpha-Endosulfan	mg/kg	54460-27	<0.1 || <0.1
trans-Chlordane	mg/kg	54460-27	<0.1 || <0.1
cis-Chlordane	mg/kg	54460-27	<0.1 || <0.1
trans-Nonachlor	mg/kg	54460-27	<0.1 || <0.1
p,p'-DDE	mg/kg	54460-27	<0.1 || <0.1
Dieldrin	mg/kg	54460-27	<0.1 || <0.1
Endrin	mg/kg	54460-27	<0.1 || <0.1
o,p'-DDD	mg/kg	54460-27	<0.1 || <0.1
o,p'-DDT	mg/kg	54460-27	<0.1 || <0.1
beta-Endosulfan	mg/kg	54460-27	<0.1 || <0.1
p,p'-DDD	mg/kg	54460-27	<0.1 || <0.1
p,p'-DDT	mg/kg	54460-27	<0.1 || <0.1
Endosulfan Sulphate	mg/kg	54460-27	<0.1 || <0.1
Endrin Aldehyde	mg/kg	54460-27	<0.1 || <0.1
Methoxychlor	mg/kg	54460-27	<0.1 || <0.1
Endrin Ketone	mg/kg	54460-27	<0.1 || <0.1
2,4,5,6-Tetrachloro-m-xylene *(Surrogate*	%	54460-27	119 || 129 || RPD: 8

QUALITY CONTROL OP Pesticides in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
Chlorpyrifos	mg/kg	54460-27	<0.1 || <0.1
Fenitrothion	mg/kg	54460-27	<0.1 || <0.1
Bromofos Ethyl	mg/kg	54460-27	<0.1 || <0.1
Ethion	mg/kg	54460-27	<0.1 || <0.1
OP_Surrogate 1	%	54460-27	119 || 129 || RPD: 8
QUALITY CONTROL PCBs in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
Arochlor 1016	mg/kg	54460-27	<0.1 || <0.1
Arochlor 1221	mg/kg	54460-27	<0.1 || <0.1
Arochlor 1232	mg/kg	54460-27	<0.1 || <0.1
Arochlor 1242	mg/kg	54460-27	<0.1 || <0.1
Arochlor 1248	mg/kg	54460-27	<0.1 || <0.1
Arochlor 1254	mg/kg	54460-27	<0.1 || <0.1
Arochlor 1260	mg/kg	54460-27	<0.1 || <0.1
Arochlor 1262	mg/kg	54460-27	<0.1 || <0.1
Arochlor 1268	mg/kg	54460-27	<0.1 || <0.1
Total Positive PCB	mg/kg	54460-27	<0.90 || <0.90
PCB_Surrogate 1	%	54460-27	119 || 129 || RPD: 8
QUALITY CONTROL Acid Extractable Metals in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
Arsenic	mg/kg	54460-73	3 || [N/T]
Cadmium	mg/kg	54460-73	0.2 || [N/T]
Chromium	mg/kg	54460-73	8.7 || [N/T]
Copper	mg/kg	54460-73	21 || [N/T]
Lead	mg/kg	54460-73	19 || [N/T]
Mercury	mg/kg	54460-73	<0.05 || <0.05
Nickel	mg/kg	54460-73	3.9 || [N/T]
Zinc	mg/kg	54460-73	42 || [N/T]

QUALITY CONTROL PAHs in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
Naphthalene	mg/kg	54460-84	0.1 || 0.1 || RPD: 0
Acenaphthylene	mg/kg	54460-84	<0.1 || <0.1
Acenaphthene	mg/kg	54460-84	<0.1 || <0.1
Fluorene	mg/kg	54460-84	<0.1 || <0.1
Phenanthrene	mg/kg	54460-84	0.3 || 0.3 || RPD: 0
Anthracene	mg/kg	54460-84	<0.1 || <0.1
Fluoranthene	mg/kg	54460-84	<0.1 || <0.1
Pyrene	mg/kg	54460-84	<0.1 || <0.1
Benzo[*a*]anthracene	mg/kg	54460-84	<0.1 || <0.1
Chrysene	mg/kg	54460-84	<0.1 || <0.1
Benzo[*b,k*]fluoranthene	mg/kg	54460-84	<0.2 || <0.2
Benzo[*a*]pyrene	mg/kg	54460-84	<0.05 || <0.05
Indeno[*123-cd*]pyrene	mg/kg	54460-84	<0.1 || <0.1
Dibenzo[*ah*]anthracene	mg/kg	54460-84	<0.1 || <0.1
Benzo[*ghi*]perylene	mg/kg	54460-84	<0.1 || <0.1
Total PAH's	mg/kg	54460-84	<1.75 || <1.75
Nitrobenzene-d5	%	54460-84	97 || 93 || RPD: 4
2-Fluorobiphenyl	%	54460-84	90 || 83 || RPD: 8
p -Terphenyl-*d14*	%	54460-84	104 || 100 || RPD: 4

QUALITY CONTROL Acid Extractable Metals in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
Arsenic	mg/kg	54460-83	450 || [N/T]
Cadmium	mg/kg	54460-83	5.9 || [N/T]
Chromium	mg/kg	54460-83	73 || [N/T]
Copper	mg/kg	54460-83	2500 || [N/T]
Lead	mg/kg	54460-83	2700 || [N/T]
Mercury	mg/kg	54460-83	<0.05 || <0.05
Nickel	mg/kg	54460-83	20 || [N/T]
Zinc	mg/kg	54460-83	50000 || [N/T]
QUALITY CONTROL TRH/BTEX in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
TRH C_6 - C_9 P&T	mg/kg	54460-64	<20 || <20
TRH C_{10} - C_{14}	mg/kg	54460-64	<20 || <20
TRH C_{15} - C_{28}	mg/kg	54460-64	76 || 83 || RPD: 9
TRH C_{29} - C_{36}	mg/kg	54460-64	<50 || <50
Benzene	mg/kg	54460-64	<0.5 || <0.5
Toluene	mg/kg	54460-64	<0.5 || <0.5
Ethylbenzene	mg/kg	54460-64	<0.5 || <0.5
Total Xylenes	mg/kg	54460-64	<1.5 || <1.5
BTEX Surrogate (%)	%	54460-64	92 || 90 || RPD: 2
QUALITY CONTROL TRH/BTEX in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
TRH C_6 - C_9 P&T	mg/kg	54460-74	<20 || <20
TRH C_{10} - C_{14}	mg/kg	54460-74	<20 || <20
TRH C_{15} - C_{28}	mg/kg	54460-74	52 || 51 || RPD: 2
TRH C_{29} - C_{36}	mg/kg	54460-74	56 || 54 || RPD: 4
Benzene	mg/kg	54460-74	<0.5 || <0.5
Toluene	mg/kg	54460-74	<0.5 || <0.5
Ethylbenzene	mg/kg	54460-74	<0.5 || <0.5
Total Xylenes	mg/kg	54460-74	<1.5 || <1.5
BTEX Surrogate (%)	%	54460-74	78 || 86 || RPD: 10

QUALITY CONTROL TRH/BTEX in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
TRH C_6 - C_9 P&T	mg/kg	54460-23	<20 || <20
TRH C_{10} - C_{14}	mg/kg	54460-23	<100 || <100
TRH C_{15} - C_{28}	mg/kg	54460-23	840 || 880 || RPD: 5
TRH C_{29} - C_{36}	mg/kg	54460-23	2000 || 1800 || RPD: 11
Benzene	mg/kg	54460-23	<0.5 || <0.5
Toluene	mg/kg	54460-23	<0.5 || <0.5
Ethylbenzene	mg/kg	54460-23	<0.5 || <0.5
Total Xylenes	mg/kg	54460-23	<1.5 || <1.5
BTEX Surrogate (%)	%	54460-23	70 || 71 || RPD: 1
QUALITY CONTROL Acid Extractable Metals in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
Arsenic	mg/kg	54460-32	<3 || <3
Cadmium	mg/kg	54460-32	0.3 || 0.4 || RPD: 29
Chromium	mg/kg	54460-32	20 || 15 || RPD: 29
Copper	mg/kg	54460-32	16 || 21 || RPD: 27
Lead	mg/kg	54460-32	31 || 38 || RPD: 20
Mercury	mg/kg	54460-32	0.06 || [N/T]
Nickel	mg/kg	54460-32	2.6 || 2.8 || RPD: 7
Zinc	mg/kg	54460-32	86 || 110 || RPD: 24
QUALITY CONTROL Acid Extractable Metals in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
Arsenic	mg/kg	54460-41	<3 || <3
Cadmium	mg/kg	54460-41	<0.1 || <0.1
Chromium	mg/kg	54460-41	5.3 || 5.9 || RPD: 11
Copper	mg/kg	54460-41	0.5 || 0.6 || RPD: 18
Lead	mg/kg	54460-41	3 || 3 || RPD: 0
Mercury	mg/kg	54460-41	<0.05 || [N/T]
Nickel	mg/kg	54460-41	0.5 || 0.6 || RPD: 18
Zinc	mg/kg	54460-41	1.8 || 1.9 || RPD: 5

QUALITY CONTROL Acid Extractable Metals in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
Arsenic	mg/kg	54460-51	<3 || <3
Cadmium	mg/kg	54460-51	<0.1 || <0.1
Chromium	mg/kg	54460-51	3.4 || 4.3 || RPD: 23
Copper	mg/kg	54460-51	6.9 || 11 || RPD: 46
Lead	mg/kg	54460-51	7 || 7 || RPD: 0
Mercury	mg/kg	54460-51	<0.05 || [N/T]
Nickel	mg/kg	54460-51	6.0 || 7.1 || RPD: 17
Zinc	mg/kg	54460-51	13 || 10 || RPD: 26
QUALITY CONTROL Acid Extractable Metals in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
Arsenic	mg/kg	54460-61	<3 || <3
Cadmium	mg/kg	54460-61	0.1 || <0.1
Chromium	mg/kg	54460-61	7.1 || 6.5 || RPD: 9
Copper	mg/kg	54460-61	28 || 22 || RPD: 24
Lead	mg/kg	54460-61	21 || 23 || RPD: 9
Mercury	mg/kg	54460-61	0.05 || [N/T]
Nickel	mg/kg	54460-61	4.0 || 4.4 || RPD: 10
Zinc	mg/kg	54460-61	21 || 20 || RPD: 5
QUALITY CONTROL Acid Extractable Metals in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
Arsenic	mg/kg	54460-71	<3 || <3
Cadmium	mg/kg	54460-71	<0.1 || <0.1
Chromium	mg/kg	54460-71	2.7 || 2.7 || RPD: 0
Copper	mg/kg	54460-71	14 || 14 || RPD: 0
Lead	mg/kg	54460-71	5 || 5 || RPD: 0
Mercury	mg/kg	54460-71	<0.05 || [N/T]
Nickel	mg/kg	54460-71	15 || 14 || RPD: 7
Zinc	mg/kg	54460-71	16 || 20 || RPD: 22

QUALITY CONTROL Acid Extractable Metals in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
Arsenic	mg/kg	54460-81	<3 || <3
Cadmium	mg/kg	54460-81	<0.1 || <0.1
Chromium	mg/kg	54460-81	4.5 || 4.3 || RPD: 5
Copper	mg/kg	54460-81	15 || 12 || RPD: 22
Lead	mg/kg	54460-81	9.6 || 8 || RPD: 18
Mercury	mg/kg	54460-81	0.54 || [N/T]
Nickel	mg/kg	54460-81	6.0 || 5.2 || RPD: 14
Zinc	mg/kg	54460-81	49 || 38 || RPD: 25

Result Codes

[INS]	:	Insufficient Sample for this test	[HBG]	:	Results not Reported due to High Background Interference
[NR]	:	Not Requested	*	:	Not part of NATA Accreditation
[NT]	:	Not tested	[N/A]	:	Not Applicable

Result Comments

TRH level of reporting has been raised due to the sample matrix interference.

Sampled by the client

Even after disintegration it can be very difficult, or impossible, to detect the presence of asbestos in some asbestos-containing bulk materials using polarised light microscopy.
This is due to the low grade or small length or diameter of asbestos fibres present in the material, or to the fact that very fine fibres have been distributed intimately throughout the materials.

Sample#21 : 3 - 8mm length fibre bundles found loose in sample.

Asbestos analysed by Wonnie Condos.

Date Organics extraction commenced: 16/08/07
NATA Corporate Accreditation No. 2562, Site No 4354
Note: Test results are not corrected for recovery (excluding Dioxins/Furans* and PAH in XAD and PUF).

Quality Control Protocol

Reagent Blank: Sample free reagents carried through the preparation/extraction/digestion procedure and analysed at the beginning of every sample batch analysis. For larger projects, a reagent blank is prepared and analysed with every 20 samples.
Duplicate: A separate portion of a sample being analysed which is treated the same as the other samples in the batch. A duplicate is prepared at least every 10 samples.
Matrix Spike Duplicates: Sample replicates spiked with identical concentrations of target analyte(s). The spiking occurs during the sample preparation and prior to the extraction/digestion procedure. They are used to document the precision and bias of a method in a given sample matrix. Where there is not enough sample available to prepare a spiked sample, another known soil/sand or water (or Milli-Q water) may be used. A duplicate spiked sample is prepared at least every 20 samples.
Surrogate Spike: Added to all samples requiring analysis for organics (where relevant) prior to extraction. Used to determine the extraction efficiency. They are organic compounds which are similar to the target analyte(s) in chemical composition and behaviour in the analytical process, but which are not normally found in environmental samples.
Internal Standard: Added to all samples requiring analysis for organics (where relevant) after the extraction process; the compounds serve to give a standard of retention time and response, which is invariant from run-to-run with the instruments.
Control Standards: Prepared from a source independent of the calibration standards. At least one control standard is included in each run to confirm calibration validity.
Additional QC Samples: A calibration standard and blank are run after every 20 samples of an instrumental analysis run to assess analytical drift.

29 August 2007 **TEST REPORT**

Douglas Partners Pty Ltd
Box 324
Hunter Region Mail Centre
NSW 2310

Your Reference: 39662C, Catherine Hill Bay
Report Number: 54460A

Attention: Colin Reid

Dear Colin
The following samples were received from you on the date indicated.

Samples: Qty.	5 Soils
Date of Receipt of Samples:	14/08/07
Date of Receipt of Instructions:	23/08/07
Date Preliminary Report Emailed:	Not Issued

These samples were analysed in accordance with your written instructions.
A copy of the instructions is attached with the analytical report.

The results and associated quality control are contained in the following pages of this report.
Unless otherwise stated, solid samples are expressed on a dry weight basis (moisture has been supplied for your information only), air and liquid samples as received.

Should you have any queries regarding this report please contact the undersigned.

Yours faithfully
SGS ENVIRONMENTAL SERVICES

Ly Kim Ha
Senior Organic Chemist

Edward Ibrahim
Laboratory Services Manager

Alexandra Stenta
Key Account Representative

SGS Australia Pty Ltd | Environmental Services Unit 16, 33 Maddox Street, Alexandria Australia

Inorganics Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460A-8 TP8/1.0 soil 31/07/2007	54460A-11 TP10/1.1 soil 2/08/2007	54460A-34 TP28/1.4 soil 1/08/2007	54460A-44 TP36/0.8 soil 6/08/2007	54460A-54 TP44/0.9 soil 7/08/2007
pH 1:5 soil:water	pH Units	5.3	5.7	5.8	4.4	6.3
Chloride, Cl 1:5 soil:water	mg/kg	6.0	5.2	<5	8.8	14
Sulphate, SO4 1:5 soil:water	mg/kg	13	30	<20	17	12

Method ID	Methodology Summary
AN101	pH - Measured using pH meter and electrode in accordance with APHA 20th ED, 4500-H+.
SEI-038	Anions - a range of Anions are determined by Ion Chromatography, in accordance with APHA 20th ED, 4110-B.

QUALITY CONTROL Inorganics	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
pH 1:5 soil:water	pH Units		AN101	[NT]	[NT]	[NT]	[NR]	[NR]
Chloride, Cl 1:5 soil:water	mg/kg	0.5	SEI-038	<0.5	[NT]	[NT]	LCS	99 || [N/T]
Sulphate, SO4 1:5 soil:water	mg/kg	2	SEI-038	<2	[NT]	[NT]	LCS	98 || [N/T]

Result Codes

[INS]	:	Insufficient Sample for this test	[HBG]	:	Results not Reported due to High Background Interference
[NR]	:	Not Requested	*	:	Not part of NATA Accreditation
[NT]	:	Not tested	[N/A]	:	Not Applicable

Result Comments

Sample #34: Chloride and Sulphate level of reporting has been raised due to sample matrix interference.

Date Organics extraction commenced: N/A

NATA Corporate Accreditation No. 2562, Site No 4354

Note: Test results are not corrected for recovery (excluding Dioxins/Furans* and PAH in XAD and PUF).

Quality Control Protocol

Reagent Blank: Sample free reagents carried through the preparation/extraction/digestion procedure and analysed at the beginning of every sample batch analysis. For larger projects, a reagent blank is prepared and analysed with every 20 samples.

Duplicate: A separate portion of a sample being analysed which is treated the same as the other samples in the batch. A duplicate is prepared at least every 10 samples.

Matrix Spike Duplicates: Sample replicates spiked with identical concentrations of target analyte(s). The spiking occurs during the sample preparation and prior to the extraction/digestion procedure. They are used to document the precision and bias of a method in a given sample matrix. Where there is not enough sample available to prepare a spiked sample, another known soil/sand or water (or Milli-Q water) may be used. A duplicate spiked sample is prepared at least every 20 samples.

Surrogate Spike: Added to all samples requiring analysis for organics (where relevant) prior to extraction. Used to determine the extraction efficiency. They are organic compounds which are similar to the target analyte(s) in chemical composition and behaviour in the analytical process, but which are not normally found in environmental samples.

Internal Standard: Added to all samples requiring analysis for organics (where relevant) after the extraction process; the compounds serve to give a standard of retention time and response, which is invariant from run-to-run with the instruments.

Control Standards: Prepared from a source independent of the calibration standards. At least one control standard is included in each run to confirm calibration validity.

Additional QC Samples: A calibration standard and blank are run after every 20 samples of an instrumental analysis run to assess analytical drift.

29 August 2007 **TEST REPORT**

Douglas Partners Pty Ltd
Box 324
Hunter Region Mail Centre
NSW 2310

Your Reference: 39662C, Catherine Hill Bay
Report Number: 54678

Attention: Colin Reid

Dear Colin
The following samples were received from you on the date indicated.

Samples: Qty.	5 Soils
Date of Receipt of Samples:	23/08/07
Date of Receipt of Instructions:	23/08/07
Date Preliminary Report Emailed:	Not Issued

These samples were analysed in accordance with your written instructions.
A copy of the instructions is attached with the analytical report.

The results and associated quality control are contained in the following pages of this report.
Unless otherwise stated, solid samples are expressed on a dry weight basis (moisture has been supplied for your information only), air and liquid samples as received.

Should you have any queries regarding this report please contact the undersigned.

Yours faithfully
SGS ENVIRONMENTAL SERVICES

Ly Kim Ha
Senior Organic Chemist

Edward Ibrahim
Laboratory Services Manager

Alexandra Stenta
Key Account Representative

SGS Australia Pty Ltd | Environmental Services Unit 16, 33 Maddox Street, Alexandria Australia

Inorganics Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54678-1 TP4/0.5 soil 31/07/2007	54678-2 TP12/1.0 soil 2/08/2007	54678-3 TP23/1.4 soil 3/08/2007	54678-4 TP51/1.3 soil 8/08/2007	54678-5 TP61/1.1 soil 8/08/2007
Sulphate, SO4 1:5 soil:water	mg/kg	<20	9.4	100	95	51
Chloride, Cl 1:5 soil:water	mg/kg	21	17	25	42	20
pH 1:5 soil:water	pH Units	5.6	6.8	6.3	5.5	5.1

Moisture Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54678-1 TP4/0.5 soil 31/07/2007	54678-2 TP12/1.0 soil 2/08/2007	54678-3 TP23/1.4 soil 3/08/2007	54678-4 TP51/1.3 soil 8/08/2007	54678-5 TP61/1.1 soil 8/08/2007
Moisture	%	19	10	25	15	14

Method ID	Methodology Summary
SEI-038	Anions - a range of Anions are determined by Ion Chromatography, in accordance with APHA 20th ED, 4110-B.
AN101	pH - Measured using pH meter and electrode in accordance with APHA 20th ED, 4500-H+.
AN002	Preparation of soils, sediments and sludges undergo analysis by either air drying, compositing, subsampling and 1:5 soil water extraction where required. Moisture content is determined by drying the sample at 105 ± 5°C.

QUALITY CONTROL Inorganics	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Sulphate, SO4 1:5 soil:water	mg/kg	2	SEI-038	<2	[NT]	[NT]	LCS	98 || [N/T]
Chloride, Cl 1:5 soil:water	mg/kg	0.5	SEI-038	<0.5	[NT]	[NT]	LCS	99 || [N/T]
pH 1:5 soil:water	pH Units		AN101	[NT]	[NT]	[NT]	[NR]	[NR]

QUALITY CONTROL Moisture	UNITS	PQL	METHOD	Blank
Moisture	%	1	AN002	<1

Result Codes

[INS]	:	Insufficient Sample for this test	[HBG]	:	Results not Reported due to High Background Interference
[NR]	:	Not Requested	*	:	Not part of NATA Accreditation
[NT]	:	Not tested	[N/A]	:	Not Applicable

Result Comments

SO4 #1 level of reporting has been raised due to the sample matrix interference.
Date Organics extraction commenced: N/A
NATA Corporate Accreditation No. 2562, Site No 4354
Note: Test results are not corrected for recovery (excluding Dioxins/Furans* and PAH in XAD and PUF).
This document is issued, on the Client's behalf, by the Company under its General Conditions of Service available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. The Client's attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

Any other holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

Quality Control Protocol

Reagent Blank: Sample free reagents carried through the preparation/extraction/digestion procedure and analysed at the beginning of every sample batch analysis. For larger projects, a reagent blank is prepared and analysed with every 20 samples.
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SGS Muswellbrook
3 Blakefield Rd
PO Box 748
Muswellbrook NSW 2333
Ph: (02) 6542 0000
Fax: (02) 6541 4966

ANALYTICAL REPORT

TO: **Douglas Partners**

ATT: **Mr. Colin Reid** DATE SAMPLED: **Supplied**

OUR REF: **HL6918** DATE REPORTED: **14-Sep-07**

Catherine Hill Bay Combustability

Sample ID	Sample Mass (grams)	Total Moisture (%)	Dry Basis -250 micron Mass (%)	Dry Basis Total Incombustables (%)
B101/1.0-1.45	94.5	21.5	7.8	54.2
B106/1.0	132.0	12.0	17.6	82.2
B108/0.5	197.6	23.4	17.3	75.8
TP4/0.05	88.7	15.1	9.2	41.2
TP8/2.7	124.3	17.1	10.0	64.4
TP9/0.7	161.5	17.0	15.3	61.3
TP17/0.8	123.7	18.0	18.3	72.4
TP17/2.4	88.5	20.3	14.8	45.0
TP19/0.1	99.1	20.5	25.5	75.0
TP24/0.6	93.5	24.4	24.8	42.4
TP25/1.0	116.7	19.0	21.8	59.7
TP33/1.3	190.8	19.8	38.80	67.1
TP33/1.8	202.6	13.5	57.90	97.0
TP36/0.8	83.7	11.0	2.70	55.2
TP36/1.8	167.8	12.2	14.20	69.2
TP39/0.5	415.7	14.2	28.80	43.8
TP41/0.6	400.3	20.3	49.70	74.4
TP47/0.2	273.4	22.9	69.50	77.8
TP52/0.1	123.3	5.1	3.60	77.3
TP63/0.1	192.6	10.2	6.10	65.0

Signed on Behalf of
SGS Australia Pty. Ltd
Muswellbrook

Simon Harmer

Sample Preparation / Analysis were performed in accordance with the following procedures:

MDG 3006 MRT 5
Guidline for Coal Dust Prevention and Suppression

ALS Environmental

CERTIFICATE OF ANALYSIS

Client	: **DOUGLAS PARTNERS PTY LTD**	*Laboratory*	: **Environmental Division Brisbane**	*Page*	: **1 of 5**
Contact	: **MR COLIN REID**	*Contact*	: **Tim Kilmister**	*Work Order*	: **EB0709669**
Address	: **PO BOX 324 HUNTER REGION MAIL CENTRE AUSTRALIA 2310**	*Address*	: **32 Shand Street Stafford QLD Australia 4053**		
E-mail	: **reidc@douglaspartners.com.au**	*E-mail*	: **Services.Brisbane@alsenviro.com**		
Telephone	: **49609600**	*Telephone*	: **+61-7-3243 7222**		
Facsimile	: **49609601**	*Facsimile*	: **+61-7-3243 7218**		
Project	: **39662C CATHERINE HILL BAY**	*Quote number*	: **EN/020/07**	*Date received*	: **28 Aug 2007**
Order number	: **67370**			*Date issued*	: **4 Sep 2007**
C-O-C number	: **- Not provided -**			*No. of samples*	- *Received* : **8**
Site	: **- Not provided -**				*Analysed* : **8**

ALSE - Excellence in Analytical Testing

NATA Accredited Laboratory 825

This document is issued in accordance with NATA's accreditation requirements.

Accredited for compliance with ISO/IEC 17025.

This document has been electronically signed by those names that appear on this report and are the authorised signatories. Electronic signing has been carried out in compliance with procedures specified in 21 CFR Part 11.

Signatory	*Position*	*Department*
Cass Sealby	**Senior Chemist - Acid Sulphate Soils**	**Inorganics - NATA 825 (818 - Brisbane)**

ALS Environmental

Comments

This report for the ALSE reference EB0709669 supersedes any previous reports with this reference. Results apply to the samples as submitted. All pages of this report have been checked and approved for release.

This report contains the following information:

- **Analytical Results for Samples Submitted**
- **Surrogate Recovery Data**

The analytical procedures used by ALS Environmental have been developed from established internationally-recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request. The following report provides brief descriptions of the analytical procedures employed for results reported herein. Reference methods from which ALSE methods are based are provided in parenthesis.

When moisture determination has been performed, results are reported on a dry weight basis. When a reported 'less than' result is higher than the LOR, this may be due to primary sample extracts/digestion dilution and/or insuffient sample amount for analysis. Surrogate Recovery Limits are static and based on USEPA SW846 or ALS-QWI/EN38 (in the absence of specified USEPA limits). Where LOR of reported result differ from standard LOR, this may be due to high moisture, reduced sample amount or matrix interference. When date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for process purposes. Abbreviations: CAS number = Chemical Abstract Services number, LOR = Limit of Reporting. * Indicates failed Surrogate Recoveries.

Specific comments for Work Order **EB0709669**

ANC not required because pH KCl less than 6.5
Retained Acidity not required because pH KCl greater than or equal to 4.5
Liming rate is calculated and reported on a dry weight basis assuming use of fine agricultural lime (CaCO3) and using a safety factor of 1.5 to allow for non-homogeneous mixing and poor reactivity of lime. For conversion of Liming Rate from ‘kg/t dry weight’ to ‘kg/m3 in-situ soil’, multiply ‘reported results’ x ‘wet bulk density of soil in t/m3’.

ALS Environmental

Analytical Results

Analyte	CAS number	LOR	Units	Client Sample ID: PIT 35/1.3	PIT 37/2.5	PIT 49/0.7	PIT 51/0.3	PIT 65/0.8
Sample Matrix Type / Description:				SOIL	SOIL	SOIL	SOIL	SOIL
Sample Date / Time:				6 Aug 2007 15:00	7 Aug 2007 15:00	8 Aug 2007 15:00	8 Aug 2007 15:00	1 Aug 2007 15:00
Laboratory Sample ID:				EB0709669-001	EB0709669-002	EB0709669-003	EB0709669-004	EB0709669-005
EA033-A: Actual Acidity								
pH KCl (23A)		0.1	pH Unit	4.5	5.2	4.9	4.8	4.7
Titratable Actual Acidity (23F)		2	mole H+ / t	43	22	22	33	38
sulfidic - Titratable Actual Acidity (s-23F)		0.02	% pyrite S	0.07	0.04	0.04	0.05	0.06
EA033-B: Potential Acidity								
Chromium Reducible Sulfur (22B)		0.02	% S	<0.02	0.08	<0.02	0.02	0.02
acidity - Chromium Reducible Sulfur (a-22B)		10	mole H+ / t	<10	48	<10	13	13
EA033-E: Acid Base Accounting								
ANC Fineness Factor		0.5		1.5	1.5	1.5	1.5	1.5
Net Acidity (sulfur units)		0.02	% S	0.07	0.11	0.04	0.07	0.08
Net Acidity (acidity units)		10	mole H+ / t	43	70	22	46	50
Liming Rate		1	kg CaCO3/t	3	5	2	3	4

ALS Environmental

Analytical Results

	Client Sample ID :	BORE 103/4.0-4.45	BORE 107/5.5/5.95	BORE 108/2.5-2.95		
	Sample Matrix Type / Description :	SOIL	SOIL	SOIL		
	Sample Date / Time :	9 Aug 2007 15:00	10 Aug 2007 15:00	10 Aug 2007 15:00		
	Laboratory Sample ID :	EB0709669-006	EB0709669-007	EB0709669-008		
Analyte	CAS number	LOR	Units			
EA033-A: Actual Acidity						
pH KCl (23A)		0.1	pH Unit	5.2	5.3	4.5
Titratable Actual Acidity (23F)		2	mole H+ / t	16	11	48
sulfidic - Titratable Actual Acidity (s-23F)		0.02	% pyrite S	0.02	<0.02	0.08
EA033-B: Potential Acidity						
Chromium Reducible Sulfur (22B)		0.02	% S	0.06	0.06	0.02
acidity - Chromium Reducible Sulfur (a-22B)		10	mole H+ / t	41	38	13
EA033-E: Acid Base Accounting						
ANC Fineness Factor		0.5		1.5	1.5	1.5
Net Acidity (sulfur units)		0.02	% S	0.09	0.08	0.10
Net Acidity (acidity units)		10	mole H+ / t	57	49	60
Liming Rate		1	kg CaCO3/t	4	4	4

ALS Environmental

Surrogate Control Limits

- **No surrogates present on this report.**

21 September 2007 **TEST REPORT**

Douglas Partners Pty Ltd
Box 324
Hunter Region Mail Centre
NSW 2310

Your Reference: 39662C, Catherine Hill Bay
Report Number: 55262-R

Attention: Patrick Heads

Dear Patrick
The following samples were received from you on the date indicated.

Samples: Qty.	8 Soils
Date of Receipt of Samples:	19/09/07
Date of Receipt of Instructions:	19/09/07
Date Preliminary Report Emailed:	Not Issued

These samples were analysed in accordance with your written instructions.
A copy of the instructions is attached with the analytical report.

The results and associated quality control are contained in the following pages of this report.
Unless otherwise stated, solid samples are expressed on a dry weight basis (moisture has been supplied for your information only), air and liquid samples as received.

Should you have any queries regarding this report please contact the undersigned.

This report cancels and supersedes report No. 55262 issued on 20/09/2007 by SGS Environmental Services due to correction in sample ID.

Yours faithfully
SGS ENVIRONMENTAL SERVICES

Ly Kim Ha
Senior Organic Chemist

Edward Ibrahim
Laboratory Services Manager

BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	55262-R-1 C201/0.1 Soil 17/09/2007	55262-R-2 C202/0.1 Soil 17/09/2007	55262-R-3 C203/0.1 Soil 17/09/2007	55262-R-4 C203/0.4 Soil 17/09/2007	55262-R-5 C204/0.4 Soil 17/09/2007
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	90	117	123	81	72

BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	55262-R-6 C214/0.05 Soil 17/09/2007	55262-R-7 C222/0.1 Soil 17/09/2007	55262-R-8 CD1 Soil 17/09/2007
Benzene	mg/kg	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	79	78	92

TRH in soil with..C6-C9 by P/T						
Our Reference:	UNITS	55262-R-1	55262-R-2	55262-R-3	55262-R-4	55262-R-5
Your Reference	----------	C201/0.1	C202/0.1	C203/0.1	C203/0.4	C204/0.4
Sample Type	----------	Soil	Soil	Soil	Soil	Soil
Date Sampled		17/09/2007	17/09/2007	17/09/2007	17/09/2007	17/09/2007
TRH C_6 - C_9 P&T	mg/kg	<20	<20	<20	<20	<20
TRH C_{10} - C_{14}	mg/kg	<20	<20	<20	29	<20
TRH C_{15} - C_{28}	mg/kg	<50	<50	<50	370	<50
TRH C_{29} - C_{36}	mg/kg	<50	<50	<50	280	<50

TRH in soil with..C6-C9 by P/T				
Our Reference:	UNITS	55262-R-6	55262-R-7	55262-R-8
Your Reference	----------	C214/0.05	C222/0.1	CD1
Sample Type	----------	Soil	Soil	Soil
Date Sampled		17/09/2007	17/09/2007	17/09/2007
TRH C_6 - C_9 P&T	mg/kg	<20	<20	<20
TRH C_{10} - C_{14}	mg/kg	<20	<20	<20
TRH C_{15} - C_{28}	mg/kg	<50	<50	67
TRH C_{29} - C_{36}	mg/kg	<50	<50	<50

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	55262-R-1 C201/0.1 Soil 17/09/2007	55262-R-2 C202/0.1 Soil 17/09/2007	55262-R-3 C203/0.1 Soil 17/09/2007	55262-R-4 C203/0.4 Soil 17/09/2007	55262-R-5 C204/0.4 Soil 17/09/2007
Naphthalene	mg/kg	<0.1	<0.1	<0.1	0.2	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	<0.1	0.4	1.5	<0.1
Anthracene	mg/kg	<0.1	<0.1	<0.1	0.1	<0.1
Fluoranthene	mg/kg	0.1	<0.1	0.2	1.4	<0.1
Pyrene	mg/kg	<0.1	<0.1	0.2	1.2	<0.1
Benzo[*a*]anthracene	mg/kg	<0.1	<0.1	0.1	0.8	<0.1
Chrysene	mg/kg	<0.1	<0.1	0.1	0.7	<0.1
Benzo[*b,k*]fluoranthene	mg/kg	<0.2	<0.2	<0.2	0.7	<0.2
Benzo[*a*]pyrene	mg/kg	<0.05	<0.05	<0.05	0.38	<0.05
Indeno[*123-cd*]pyrene	mg/kg	<0.1	<0.1	<0.1	0.2	<0.1
Dibenzo[*ah*]anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[*ghi*]perylene	mg/kg	<0.1	<0.1	<0.1	0.2	<0.1
Total PAH's	mg/kg	<1.55	<1.55	<2.05	<7.78	<1.55
Nitrobenzene-d5	%	106	106	102	108	103
2-Fluorobiphenyl	%	103	102	95	93	99
p -Terphenyl-*d14*	%	113	112	112	111	106

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	55262-R-6 C214/0.05 Soil 17/09/2007	55262-R-7 C222/0.1 Soil 17/09/2007	55262-R-8 CD1 Soil 17/09/2007
Naphthalene	mg/kg	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	<0.1	0.5
Anthracene	mg/kg	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	<0.1	<0.1	0.3
Pyrene	mg/kg	<0.1	<0.1	0.2
Benzo[*a*]anthracene	mg/kg	<0.1	<0.1	0.2
Chrysene	mg/kg	<0.1	<0.1	0.1
Benzo[*b,k*]fluoranthene	mg/kg	<0.2	<0.2	<0.2
Benzo[*a*]pyrene	mg/kg	<0.05	<0.05	<0.05
Indeno[*123-cd*]pyrene	mg/kg	<0.1	<0.1	<0.1
Dibenzo[*ah*]anthracene	mg/kg	<0.1	<0.1	<0.1
Benzo[*ghi*]perylene	mg/kg	<0.1	<0.1	<0.1
Total PAH's	mg/kg	<1.55	<1.55	<2.35
Nitrobenzene-d5	%	106	105	107
2-Fluorobiphenyl	%	103	101	99
p -Terphenyl-*d14*	%	111	110	120

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	55262-R-1 C201/0.1 Soil 17/09/2007	55262-R-2 C202/0.1 Soil 17/09/2007	55262-R-3 C203/0.1 Soil 17/09/2007	55262-R-4 C203/0.4 Soil 17/09/2007	55262-R-5 C204/0.4 Soil 17/09/2007
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene *(Surrogate*	%	123	113	111	113	109

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	55262-R-6 C214/0.05 Soil 17/09/2007	55262-R-7 C222/0.1 Soil 17/09/2007	55262-R-8 CD1 Soil 17/09/2007
HCB	mg/kg	<0.1	<0.1	<0.1
alpha-BHC	mg/kg	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1
o,p'-DDE	mg/kg	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1
o,p'-DDD	mg/kg	<0.1	<0.1	<0.1
o,p'-DDT	mg/kg	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1
p,p'-DDD	mg/kg	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene *(Surrogate*	%	118	117	123

OP Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	55262-R-1 C201/0.1 Soil 17/09/2007	55262-R-2 C202/0.1 Soil 17/09/2007	55262-R-3 C203/0.1 Soil 17/09/2007	55262-R-4 C203/0.4 Soil 17/09/2007	55262-R-5 C204/0.4 Soil 17/09/2007
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
OP_Surrogate 1	%	123	113	111	113	109

OP Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	55262-R-6 C214/0.05 Soil 17/09/2007	55262-R-7 C222/0.1 Soil 17/09/2007	55262-R-8 CD1 Soil 17/09/2007
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1
OP_Surrogate 1	%	118	117	123

PCBs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	55262-R-1 C201/0.1 Soil 17/09/2007	55262-R-2 C202/0.1 Soil 17/09/2007	55262-R-3 C203/0.1 Soil 17/09/2007	55262-R-4 C203/0.4 Soil 17/09/2007	55262-R-5 C204/0.4 Soil 17/09/2007
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<0.90	<0.90	<0.90
PCB_Surrogate 1	%	123	113	111	113	109

PCBs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	55262-R-6 C214/0.05 Soil 17/09/2007	55262-R-7 C222/0.1 Soil 17/09/2007	55262-R-8 CD1 Soil 17/09/2007
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<0.90
PCB_Surrogate 1	%	118	117	123

Acid Extractable Metals in Soil						
Our Reference:	UNITS	55262-R-1	55262-R-2	55262-R-3	55262-R-4	55262-R-5
Your Reference	----------	C201/0.1	C202/0.1	C203/0.1	C203/0.4	C204/0.4
Sample Type	----------	Soil	Soil	Soil	Soil	Soil
Date Sampled		17/09/2007	17/09/2007	17/09/2007	17/09/2007	17/09/2007
Arsenic	mg/kg	<3	<3	<3	<3	<3
Cadmium	mg/kg	0.2	0.96	0.96	0.2	0.1
Chromium	mg/kg	5.4	4.1	10	5.6	18
Copper	mg/kg	22	1,300	37	18	32
Lead	mg/kg	150	130	130	31	28
Mercury	mg/kg	0.06	0.14	0.11	0.16	0.12
Nickel	mg/kg	2.7	3.0	6.0	4.6	17
Zinc	mg/kg	88	210	280	54	37

Acid Extractable Metals in Soil				
Our Reference:	UNITS	55262-R-6	55262-R-7	55262-R-8
Your Reference	----------	C214/0.05	C222/0.1	CD1
Sample Type	----------	Soil	Soil	Soil
Date Sampled		17/09/2007	17/09/2007	17/09/2007
Arsenic	mg/kg	10	11	6
Cadmium	mg/kg	0.2	0.2	1.5
Chromium	mg/kg	11	14	12
Copper	mg/kg	15	18	72
Lead	mg/kg	6	8	130
Mercury	mg/kg	<0.05	<0.05	0.17
Nickel	mg/kg	6.2	7.7	17
Zinc	mg/kg	37	49	760

Moisture Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	55262-R-1 C201/0.1 Soil 17/09/2007	55262-R-2 C202/0.1 Soil 17/09/2007	55262-R-3 C203/0.1 Soil 17/09/2007	55262-R-4 C203/0.4 Soil 17/09/2007	55262-R-5 C204/0.4 Soil 17/09/2007
Moisture	%	21	25	21	16	26

Moisture Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	55262-R-6 C214/0.05 Soil 17/09/2007	55262-R-7 C222/0.1 Soil 17/09/2007	55262-R-8 CD1 Soil 17/09/2007
Moisture	%	11	10	27

Method ID	Methodology Summary
SEO-018	BTEX - Determination by purge and trap/ Gas Chromatography with MS Detection.
SEO-017	BTEX/TRH C6-C9 - Determination by Purge and Trap Gas Chromatography with Flame Ionisation Detection (FID) and Photo Ionisation Detection (PID). The surrogate spike used is aaa-trifluorotoluene.
SEO-020	TRH - Determination of Total Recoverable Hydrocarbons by gas chromatography following extraction with DCM/Acetone for solids and DCM for liquids.
SEO-030	PAHs by GC/MS - Determination of Polynuclear Aromatic Hydrocarbons (PAH's) by Gas Chromatography / Mass Spectrometry following extraction with dichloromethane or dichloromethane/acetone. The surrogate spike used is p-Terphenyl-d14.
SEO-005	OC/OP/PCB - Determination of a suite of Organchlorine Pesticides, Chlorinated Organo-phosphorus Pesticides and Polychlorinated Biphenyls (PCB's) by sonication extraction using dichloromethane for waters or acetone / hexane for soils followed by Gas Chromatographic separation with Electron Capture Detection (GC/ECD). The surrogate spike used is 2,4,5,6-Tetrachloro-m-xylene.
SEM-010	Metals - Determination of various metals by ICP-AES following aqua regia digest.
SEM-005	Mercury - Determination of Mercury by Cold Vapour Generation Atomic Absorption Spectroscopy.
AN002	Preparation of soils, sediments and sludges undergo analysis by either air drying, compositing, subsampling and 1:5 soil water extraction where required. Moisture content is determined by drying the sample at 105 ± 5°C.

QUALITY CONTROL BTEX in Soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Benzene	mg/kg	0.5	SEO-018	<0.5	55262-1	<0.5 || <0.5	55262-2	128 || [N/T]
Toluene	mg/kg	0.5	SEO-018	<0.5	55262-1	<0.5 || <0.5	55262-2	126 || [N/T]
Ethylbenzene	mg/kg	0.5	SEO-018	<0.5	55262-1	<0.5 || <0.5	55262-2	125 || [N/T]
Total Xylenes	mg/kg	1.5	SEO-018	<1.5	55262-1	<1.5 || <1.5	55262-2	129 || [N/T]
BTEX Surrogate (%)	%	0	SEO-018	111	55262-1	90 || 110 || RPD: 20	55262-2	103 || [N/T]
QUALITY CONTROL TRH in soil with..C6-C9 by P/T	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
TRH C_6 - C_9 P&T	mg/kg	20	SEO-017	<20	55262-1	<20 || <20	55262-2	134 || [N/T]
TRH C_{10} - C_{14}	mg/kg	20	SEO-020	<20	55262-1	<20 || [N/T]	[NR]	[NR]
TRH C_{15} - C_{28}	mg/kg	50	SEO-020	<50	55262-1	<50 || [N/T]	[NR]	[NR]
TRH C_{29} - C_{36}	mg/kg	50	SEO-020	<50	55262-1	<50 || [N/T]	[NR]	[NR]
QUALITY CONTROL PAHs in Soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Naphthalene	mg/kg	0.1	SEO-030	<0.1	55262-6	<0.1 || <0.1	LCS	92 || [N/T]
Acenaphthylene	mg/kg	0.1	SEO-030	<0.1	55262-6	<0.1 || <0.1	LCS	81 || [N/T]
Acenaphthene	mg/kg	0.1	SEO-030	<0.1	55262-6	<0.1 || <0.1	LCS	119 || [N/T]
Fluorene	mg/kg	0.1	SEO-030	<0.1	55262-6	<0.1 || <0.1	[NR]	[NR]
Phenanthrene	mg/kg	0.1	SEO-030	<0.1	55262-6	<0.1 || <0.1	LCS	97 || [N/T]
Anthracene	mg/kg	0.1	SEO-030	<0.1	55262-6	<0.1 || <0.1	LCS	105 || [N/T]
Fluoranthene	mg/kg	0.1	SEO-030	<0.1	55262-6	<0.1 || <0.1	LCS	100 || [N/T]
Pyrene	mg/kg	0.1	SEO-030	<0.1	55262-6	<0.1 || <0.1	LCS	97 || [N/T]
Benzo[*a*]anthracene	mg/kg	0.1	SEO-030	<0.1	55262-6	<0.1 || <0.1	[NR]	[NR]
Chrysene	mg/kg	0.1	SEO-030	<0.1	55262-6	<0.1 || <0.1	[NR]	[NR]
Benzo[*b,k*]fluoranthene	mg/kg	0.2	SEO-030	<0.2	55262-6	<0.2 || <0.2	[NR]	[NR]
Benzo[*a*]pyrene	mg/kg	0.05	SEO-030	<0.05	55262-6	<0.05 || <0.05	LCS	99 || [N/T]
Indeno[*123-cd*]pyrene	mg/kg	0.1	SEO-030	<0.1	55262-6	<0.1 || <0.1	[NR]	[NR]
Dibenzo[*ah*]anthracene	mg/kg	0.1	SEO-030	<0.1	55262-6	<0.1 || <0.1	[NR]	[NR]
Benzo[*ghi*]perylene	mg/kg	0.1	SEO-030	<0.1	55262-6	<0.1 || <0.1	[NR]	[NR]
Total PAH's	mg/kg	1.55	SEO-030	1.55	55262-6	<1.55 || <1.55	[NR]	[NR]
Nitrobenzene-d5	%	0	SEO-030	104	55262-6	106 || 105 || RPD: 1	LCS	103 || [N/T]
2-Fluorobiphenyl	%	0	SEO-030	102	55262-6	103 || 102 || RPD: 1	LCS	101 || [N/T]
p -Terphenyl-*d* 14	%	0	SEO-030	113	55262-6	111 || 113 || RPD: 2	LCS	112 || [N/T]

QUALITY CONTROL OC Pesticides in Soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
HCB	mg/kg	0.1	SEO-005	<0.1	55262-7	<0.1 || <0.1	[NR]	[NR]
alpha-BHC	mg/kg	0.1	SEO-005	<0.1	55262-7	<0.1 || <0.1	[NR]	[NR]
gamma-BHC (Lindane)	mg/kg	0.1	SEO-005	<0.1	55262-7	<0.1 || <0.1	[NR]	[NR]
Heptachlor	mg/kg	0.1	SEO-005	<0.1	55262-7	<0.1 || <0.1	[NR]	[NR]
Aldrin	mg/kg	0.1	SEO-005	<0.1	55262-7	<0.1 || <0.1	LCS	107 || [N/T]
beta-BHC	mg/kg	0.1	SEO-005	<0.1	55262-7	<0.1 || <0.1	LCS	111 || [N/T]
delta-BHC	mg/kg	0.1	SEO-005	<0.1	55262-7	<0.1 || <0.1	[NR]	[NR]
Heptachlor Epoxide	mg/kg	0.1	SEO-005	<0.1	55262-7	<0.1 || <0.1	LCS	106 || [N/T]
o,p'-DDE	mg/kg	0.1	SEO-005	<0.1	55262-7	<0.1 || <0.1	[NR]	[NR]
alpha-Endosulfan	mg/kg	0.1	SEO-005	<0.1	55262-7	<0.1 || <0.1	[NR]	[NR]
trans-Chlordane	mg/kg	0.1	SEO-005	<0.1	55262-7	<0.1 || <0.1	[NR]	[NR]
cis-Chlordane	mg/kg	0.1	SEO-005	<0.1	55262-7	<0.1 || <0.1	[NR]	[NR]
trans-Nonachlor	mg/kg	0.1	SEO-005	<0.1	55262-7	<0.1 || <0.1	[NR]	[NR]
p,p'-DDE	mg/kg	0.1	SEO-005	<0.1	55262-7	<0.1 || <0.1	[NR]	[NR]
Dieldrin	mg/kg	0.1	SEO-005	<0.1	55262-7	<0.1 || <0.1	LCS	114 || [N/T]
Endrin	mg/kg	0.1	SEO-005	<0.1	55262-7	<0.1 || <0.1	LCS	116 || [N/T]
o,p'-DDD	mg/kg	0.1	SEO-005	<0.1	55262-7	<0.1 || <0.1	[NR]	[NR]
o,p'-DDT	mg/kg	0.1	SEO-005	<0.1	55262-7	<0.1 || <0.1	[NR]	[NR]
beta-Endosulfan	mg/kg	0.1	SEO-005	<0.1	55262-7	<0.1 || <0.1	[NR]	[NR]
p,p'-DDD	mg/kg	0.1	SEO-005	<0.1	55262-7	<0.1 || <0.1	[NR]	[NR]
p,p'-DDT	mg/kg	0.1	SEO-005	<0.1	55262-7	<0.1 || <0.1	LCS	101 || [N/T]
Endosulfan Sulphate	mg/kg	0.1	SEO-005	<0.1	55262-7	<0.1 || <0.1	[NR]	[NR]
Endrin Aldehyde	mg/kg	0.1	SEO-005	<0.1	55262-7	<0.1 || <0.1	[NR]	[NR]
Methoxychlor	mg/kg	0.1	SEO-005	<0.1	55262-7	<0.1 || <0.1	[NR]	[NR]
Endrin Ketone	mg/kg	0.1	SEO-005	<0.1	55262-7	<0.1 || <0.1	[NR]	[NR]
2,4,5,6-Tetrachloro-m-xylene *(Surrogate*	%	0	SEO-005	0.0	55262-7	117 || 112 || RPD: 4	LCS	111 || [N/T]

QUALITY CONTROL OP Pesticides in Soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Chlorpyrifos	mg/kg	0.1	SEO-005	<0.1	55262-7	<0.1 || <0.1	LCS	113 || [N/T]
Fenitrothion	mg/kg	0.1	SEO-005	<0.1	55262-7	<0.1 || <0.1	[NR]	[NR]
Bromofos Ethyl	mg/kg	0.1	SEO-005	<0.1	55262-7	<0.1 || <0.1	[NR]	[NR]
Ethion	mg/kg	0.1	SEO-005	<0.1	55262-7	<0.1 || <0.1	[NR]	[NR]
OP_Surrogate 1	%	0	SEO-005	0.00	55262-7	117 || 112 || RPD: 4	LCS	111 || [N/T]
QUALITY CONTROL PCBs in Soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Arochlor 1016	mg/kg	0.1	SEO-005	<0.1	55262-7	<0.1 || <0.1	[NR]	[NR]
Arochlor 1221	mg/kg	0.1	SEO-005	<0.1	55262-7	<0.1 || <0.1	[NR]	[NR]
Arochlor 1232	mg/kg	0.1	SEO-005	<0.1	55262-7	<0.1 || <0.1	[NR]	[NR]
Arochlor 1242	mg/kg	0.1	SEO-005	<0.1	55262-7	<0.1 || <0.1	[NR]	[NR]
Arochlor 1248	mg/kg	0.1	SEO-005	<0.1	55262-7	<0.1 || <0.1	[NR]	[NR]
Arochlor 1254	mg/kg	0.1	SEO-005	<0.1	55262-7	<0.1 || <0.1	[NR]	[NR]
Arochlor 1260	mg/kg	0.1	SEO-005	<0.1	55262-7	<0.1 || <0.1	LCS	99 || [N/T]
Arochlor 1262	mg/kg	0.1	SEO-005	<0.1	55262-7	<0.1 || <0.1	[NR]	[NR]
Arochlor 1268	mg/kg	0.1	SEO-005	<0.1	55262-7	<0.1 || <0.1	[NR]	[NR]
Total Positive PCB	mg/kg	0.9	SEO-005	0.90	55262-7	<0.90 || <0.90	[NR]	[NR]
PCB_Surrogate 1	%	0	SEO-005	0.0	55262-7	117 || 112 || RPD: 4	LCS	98 || [N/T]
QUALITY CONTROL Acid Extractable Metals in Soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Arsenic	mg/kg	3	SEM-010	<3	[NT]	[NT]	LCS	96 || [N/T]
Cadmium	mg/kg	0.1	SEM-010	<0.1	[NT]	[NT]	LCS	101 || [N/T]
Chromium	mg/kg	0.3	SEM-010	<0.3	[NT]	[NT]	LCS	100 || [N/T]
Copper	mg/kg	0.5	SEM-010	<0.5	[NT]	[NT]	LCS	101 || [N/T]
Lead	mg/kg	1	SEM-010	<1	[NT]	[NT]	LCS	94 || [N/T]
Mercury	mg/kg	0.05	SEM-005	<0.05	[NT]	[NT]	LCS	104 || [N/T]
Nickel	mg/kg	0.5	SEM-010	<0.5	[NT]	[NT]	LCS	101 || [N/T]
Zinc	mg/kg	0.3	SEM-010	<0.3	[NT]	[NT]	LCS	98 || [N/T]

QUALITY CONTROL Moisture	UNITS	PQL	METHOD	Blank
Moisture	%	1	AN002	<1

QUALITY CONTROL TRH in soil with..C6-C9 by P/T	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
TRH C_{10} - C_{14}	mg/kg	55262-6	<20 || <20	LCS	96 || [N/T]
TRH C_{15} - C_{28}	mg/kg	55262-6	<50 || <50	LCS	86 || [N/T]
TRH C_{29} - C_{36}	mg/kg	55262-6	<50 || <50	LCS	95 || [N/T]

Result Codes

[INS]	:	Insufficient Sample for this test	[HBG]	:	Results not Reported due to High Background Interference
[NR]	:	Not Requested	*	:	Not part of NATA Accreditation
[NT]	:	Not tested	[N/A]	:	Not Applicable

Result Comments

Date Organics extraction commenced: 19/09/07
NATA Corporate Accreditation No. 2562, Site No 4354
Note: Test results are not corrected for recovery (excluding Dioxins/Furans* and PAH in XAD and PUF).
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Any other holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

Quality Control Protocol

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Additional QC Samples: A calibration standard and blank are run after every 20 samples of an instrumental analysis run to assess analytical drift.

21 September 2007 **TEST REPORT**

Douglas Partners Pty Ltd
Box 324
Hunter Region Mail Centre
NSW 2310

Your Reference: 39662C, Catherine Hill Bay
Report Number: 54460B

Attention: Colin Reid

Dear Colin
The following samples were received from you on the date indicated.

Samples: Qty.	8 Soils
Date of Receipt of Samples:	14/08/07
Date of Receipt of Instructions:	17/09/07
Date Preliminary Report Emailed:	Not Issued

These samples were analysed in accordance with your written instructions.
A copy of the instructions is attached with the analytical report.

The results and associated quality control are contained in the following pages of this report. Unless otherwise stated, solid samples are expressed on a dry weight basis (moisture has been supplied for your information only), air and liquid samples as received.

Should you have any queries regarding this report please contact the undersigned.

Yours faithfully
SGS ENVIRONMENTAL SERVICES

Ly Kim Ha
Senior Organic Chemist

Edward Ibrahim
Laboratory Services Manager

Alexandra Stenta
Key Account Representative

Metals in TCLP Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460B-14 Pit13/0.1 soil 2/08/2007	54460B-19 Pit17/1.9 soil 2/08/2007	54460B-20 Pit18/0.15 soil 2/08/2007	54460B-23 Pit19/0.7 soil 1/08/2007	54460B-29 Pit24/0.6 soil 2/08/2007
pH of soil for fluid# determ.	pH units	7.11	6.10	7.81	6.06	6.53
pH of soil for fluid # determ. (acid)	pH units	1.86	1.71	1.63	1.64	1.66
Extraction fluid used	-	1	1	1	1	1
pH of final Leachate	pH units	4.70	4.63	5.02	4.64	4.80
Nickel	mg/L	0.011	0.011	0.010	0.015	<0.009
Chromium	mg/L	<0.005	[NA]	<0.005	[NA]	[NA]
Lead	mg/L	0.035	<0.020	0.22	0.049	<0.020
Mercury	mg/L	[NA]	<0.0005	[NA]	[NA]	[NA]

Metals in TCLP Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	54460B-45 Pit36/2.5 soil 6/08/2007	54460B-80 D9 soil 1/08/2007	54460B-81 D11 soil 2/08/2007
pH of soil for fluid# determ.	pH units	6.54	6.29	6.01
pH of soil for fluid # determ. (acid)	pH units	1.62	1.66	1.63
Extraction fluid used	-	1	1	1
pH of final Leachate	pH units	4.69	4.71	4.66
Nickel	mg/L	0.13	0.015	<0.009
Lead	mg/L	0.19	0.053	[NA]
Mercury	mg/L	[NA]	[NA]	<0.0005
Cadmium	mg/L	0.055	[NA]	[NA]

Method ID	Methodology Summary
SEP-003	Toxicity Characteristic Leaching Procedure (TCLP) and AS Bottle leach procedure.
SEM-010	Metals - Determination of various metals by ICP-AES following aqua regia digest.
SEM-005	Mercury - Determination of Mercury by Cold Vapour Generation Atomic Absorption Spectroscopy.

QUALITY CONTROL Metals in TCLP	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
pH of soil for fluid# determ.	pH units	0	SEP-003	[NT]	[NT]	[NT]	[NR]	[NR]
pH of soil for fluid # determ. (acid)	pH units	0	SEP-003	[NT]	[NT]	[NT]	[NR]	[NR]
Extraction fluid used	-		SEP-003	1	[NT]	[NT]	[NR]	[NR]
pH of final Leachate	pH units	0	SEP-003	4.93	[NT]	[NT]	[NR]	[NR]
Chromium	mg/L	0.005	SEM-010	<0.005	[NT]	[NT]	LCS	101 || [N/T]
Lead	mg/L	0.02	SEM-010	<0.020	[NT]	[NT]	LCS	97 || [N/T]
Mercury	mg/L	0.0005	SEM-005	<0.0005	[NT]	[NT]	LCS	96 || [N/T]
Cadmium	mg/L	0.002	SEM-010	<0.002	[NT]	[NT]	LCS	102 || [N/T]

Result Codes

[INS]	:	Insufficient Sample for this test	[HBG]	:	Results not Reported due to High Background Interference
[NR]	:	Not Requested	*	:	Not part of NATA Accreditation
[NT]	:	Not tested	[N/A]	:	Not Applicable

Result Comments

Date Organics extraction commenced: N/A
NATA Corporate Accreditation No. 2562, Site No 4354
Note: Test results are not corrected for recovery (excluding Dioxins/Furans* and PAH in XAD and PUF).
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Control Standards: Prepared from a source independent of the calibration standards. At least one control standard is included in each run to confirm calibration validity.
Additional QC Samples: A calibration standard and blank are run after every 20 samples of an instrumental analysis run to assess analytical drift.

APPENDIX C

QA/QC

**QUALITY ASSURANCE/QUALITY CONTROL
FOR CONTAMINATION ASSESSMENT
CATHERINE HILL BAY**

Quality Assurance (QA) was maintained by:

- compliance with a Project Quality Plan written for the objectives of the study;
- using qualified engineers to undertake the field supervision and sampling;
- following the Douglas Partners Pty Ltd (DP) operating procedures for sampling, field testing and decontamination as presented in Table 1;
- using NATA registered laboratories for sample testing that generally utilise standard laboratory methods of the US EPA, the APHA and NSW EPA.

Table 1 - Field Procedures

Abbreviation	Procedure Name
FPM LOG	Logging
FPM DECONT	Decontamination of Personnel and Equipment
FPM ENVID	Sample Identification, Handling, Transport and Storage of Contaminated Samples
FPM PIDETC	Operation of Field Analysers
FPM ENVSAMP	Sampling of Contaminated Soils

(from DP Field Procedures Manual)

Quality Control (QC) of the laboratory programme was achieved by the following means:

- check replicate - a specific sample was split in the field, placed in separate containers and labelled with different sample numbers, and sent to the laboratory for analysis;
- method blanks - the laboratory ran reagent blanks to confirm the equipment and standards used were uncontaminated;
- laboratory duplicates - the laboratory split samples internally and conducted tests on separate extracts;
- laboratory spikes - samples were spiked by the laboratory with a known concentration of contaminants and subsequently tested for percent recovery.

DISCUSSION

A. Check Replicate

The Relative Percent Difference (RPD) between replicate results is used as a measure of laboratory reproducibility and is given by the following:

$$\text{RPD} = \frac{\text{ABS}(\text{Replicate result 1} - \text{Replicate result 2})}{(\text{Replicate result 1} + \text{Replicate result 2})/2} \text{ x } 100$$

The RPD can have a value between 0% and 200%. An RPD data quality objective of up to 50% is generally considered to be acceptable for organic analysis, and 35% for inorganics (i.e. Metals).

A summary of the results of the soil replicate QA/QC testing is provided in Table 2.

Table 2 - Results of Quality Control Analysis

Analyte		Pit 19/0.7	D9	RPD (%)	Pit 17/1.9	D11	RPD (%)	Pit 22/2.8	D13	RPD (%)	Pit 68/0.02	D14	RPD (%)
Metals	As	4	4	0	4	<PQL	N/A	<PQL	<PQL	N/A	460	450	2
	Cd	0.4	0.4	0	0.2	<PQL	N/A	<PQL	<PQL	N/A	7.5	5.9	24
	Cr	10	9.3	7	5	4.5	11	2.8	2.6	7	120	73	49
	Cu	300	250	18	64	15	124	11	13	17	4500	2500	57
	Pb	180	140	25	20	9.6	70	8	10	22	6100	2700	77
	Hg	0.15	0.13	14	0.54	0.54	0	<PQL	<PQL	N/A	<PQL	<PQL	N/A
	Ni	9.9	9.2	7	9.3	6	43	5.3	5.6	6	19	20	5
	Zn	240	210	13	69	49	34	20	20	0	73000	50000	37
TRH	C_6 - C_9	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A
	C_{10} - C_{14}	<PQL	<100	N/A	78	42	60	<PQL	<PQL	N/A	<PQL	<PQL	N/A
	C_{15} - C_{28}	900	840	7	920	590	44	<PQL	<PQL	N/A	<50	<PQL	N/A
	C_{29} - C_{36}	1800	2000	11	590	490	19	<PQL	<PQL	N/A	<PQL	<PQL	N/A
BTEX	Benzene	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A
	Toluene	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A
	Ethyl Benzene	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A
	Xylene	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A
PAH	Total PAHs	<5.06	<5.47	N/A	<9.57	<6.54	N/A	<1.97	<PQL	N/A	<PQL	<PQL	N/A
	Benzo(a)pyrene	0.16	0.17	6	0.17	0.14	19	0.07	<PQL	N/A	<PQL	<PQL	N/A
OCPs	Total OCPs	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A
	Aldrin + Dieldrin	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A
	Chlordane	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A
	DDT	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A
	Heptachlor	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A
OPPs		<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A
PCBs		<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A

Results expressed in mg/kg on dry weight basis
PQL - Practical Quantitation Limit
N/A - Not Applicable

Table 2 (cont) - Results of Quality Control Analysis

Analyte		Pit 32 /0.2	D18	RPD (%)	Pit 37 /1.2	D21	RPD (%)	Pit 42 /0.3	D24	RPD (%)	Bore 101 /1.0	D101	RPD (%)	C203 /0.1	CD1	RPD (%)
Metals	As	3	9	100	<PQL	<PQL	N/A	<PQL	<PQL	N/A	4	<PQL	<PQL	6	N/A	N/A
	Cd	0.2	0.2	0	<PQL	<PQL	N/A	<PQL	<PQL	N/A	0.2	<PQL	0.96	1.5	44	N/A
	Cr	4.2	3.5	18	5.3	5.3	0	3	3.1	3	17	2.7	10	12	18	145
	Cu	16	14	13	17	15	13	8.5	29	109	15	14	37	72	64	7
	Pb	19	22	15	19	19	0	6	9.2	42	11	5	130	130	0	75
	Hg	0.1	0.08	22	0.08	0.06	29	<PQL	<PQL	N/A	0.16	<PQL	0.11	0.17	43	N/A
	Ni	5.3	5.4	2	7.2	5.4	29	2	2.3	14	1.9	15	6	17	96	155
	Zn	43	44	2	20	12	50	10	17	52	37	16	280	760	92	79
TRH	C_6 - C_9	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	<PQL	<PQL	N/A	N/A
	C_{10} - C_{14}	<PQL	<PQL	N/A	<PQL	28	N/A	<PQL	43	N/A	<PQL	<PQL	<PQL	<PQL	N/A	N/A
	C_{15} - C_{28}	89	<PQL	N/A	300	250	18	55	340	144	<PQL	<PQL	<PQL	67	N/A	N/A
	C_{29} - C_{36}	<PQL	<PQL	N/A	140	100	33	<PQL	160	N/A	<PQL	<PQL	<PQL	<PQL	N/A	N/A
BTEX	Benzene	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	<PQL	<PQL	N/A	N/A
	Toluene	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	<PQL	<PQL	N/A	N/A
	Ethyl Benzene	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	<PQL	<PQL	N/A	N/A
	Xylene	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	<PQL	<PQL	N/A	N/A
PAH	Total PAHs	<2.35	<1.75	N/A	<5.91	<4.59	N/A	<2.96	<7.42	N/A	<1.85	<PQL	<2.05	<2.35	N/A	N/A
	Benzo(a)pyrene	<PQL	<PQL	N/A	0.11	0.09	20	0.06	0.12	67	<PQL	<PQL	<PQL	<PQL	N/A	N/A
OCPs	Total OCPs	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	<PQL	<PQL	N/A	N/A
	Aldrin + Dieldrin	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	<PQL	<PQL	N/A	N/A
	Chlordane	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	<PQL	<PQL	N/A	N/A
	DDT	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	<PQL	<PQL	N/A	N/A
	Heptachlor	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	<PQL	<PQL	N/A	N/A
OPPs		<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	<PQL	<PQL	N/A	N/A
PCBs		<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	<PQL	<PQL	N/A	N/A

Results expressed in mg/kg on dry weight basis
PQL - Practical Quantitation Limit
N/A - Not Applicable

RPDs ranged from 0% to 124%, and generally within 0% to 50%. The high RPDs are considered to be due to the heterogeneity of the fill material (detailed sample descriptions contained in the test report sheets in Appendix A), and the results are considered to be within the acceptable limits.

B. Method Blanks

All method blanks returned results lower than the laboratory detection limit, therefore are acceptable.

C. Laboratory Replicates

The average RPD for individual contaminants generally ranged from 0% to 50%, with the exception of two RPD's of 67% (concentration difference of 0.1 mg/kg), which is considered to be within acceptable limits.

D. Laboratory Spikes

Recoveries in the order of 70% to 130% are generally considered to be acceptable. The average percent recovery for individual organic contaminants ranged from 72% to 134% which is within the quality control objectives.

CONCLUSIONS

The accuracy and precision of the soil testing procedures, as inferred by the QA/QC data is generally considered to be of sufficient standard to allow the data reported to be used to interpret site contamination conditions.

coc 16/8/07 @ 9:00am

Douglas Partners
Geotechnics · Environment · Groundwater

CHAIN OF CUSTODY DESPATCH SHEET

Project Name: CATHERINE HILL BAY
Project No: 39662.C DP Order No: 67338
DP Contact Person: COLIN REID
Prior Storage: esky / (fridge) / shelved (circle)

To: SGS Australia PTY LTD
Unit 16/33 Maddox Street
ALEXANDRIA NSW 2015
Ph: (02) 8594 0400
Attn: Angela

Sample ID	Date Sampled	Sample Type S-soil W-water	Lab ID	Analytes: TRH	BTEX	PAH	PCB	OCP	OPP	Metals #	Asbestos						TCLP	Notes
Pit1/1.2	31/7/07	S	1	✓	✓	✓	✓	✓	✓	✓								
Pit2/0.05			2	✓	✓	✓	✓	✓	✓	✓								
Pit3/0.5			3	✓	✓	✓	✓	✓	✓	✓								
Pit4/0.05			4	✓	✓	✓	✓	✓	✓	✓								
Pit5/0.05			5	✓	✓	✓	✓	✓	✓	✓								
Pit6/0.1			6	✓	✓	✓	✓	✓	✓	✓								
Pit7/0.1			7	✓	✓	✓	✓	✓	✓	✓								
Pit8/1.0			8	✓	✓	✓	✓	✓	✓	✓								
Pit8/2.7	↓		9	✓	✓	✓	✓	✓	✓	✓								
Pit9/0.2	6/8/07		10	✓	✓	✓	✓	✓	✓	✓								
Pit10/1.1	2/8/07		11	✓	✓	✓	✓	✓	✓	✓								
Pit11/0.4	31/7/07	↓	12	✓	✓	✓	✓	✓	✓	✓								
PQL (S)		mg/kg																
PQL (W)		mg/L																

SGS
Received 14/8/07
By cheryl
Time 9 am/pm
Samples intact yes/no
Ice/Cooler Pack yes/no
Comments 54460

PQL = practical quantitation limit *As per Laboratory Method (Detection Limit)
# - Metals to Analyse (Please circle): (As Cd Cr Cu Pb Zn Hg Ni Other)
Date relinquished: 13/8/07
Total number of samples in container: 85
Results required by: 21/8/07
TAT (Circle): (Standard) 72 hr 48hr 24hr

SAMPLES RECEIVED
Please sign and date to acknowledge receipt of samples and return by fax
Signature: Angela.
Date: 14/8/07 Lab Ref: 54460

Send results to:
Douglas Partners Pty Ltd
Address:
BOX 324 Hunter Region Mail Centre
NSW 2310
Fax: (02) 4960 9601

Douglas Partners
Geotechnics · Environment · Groundwater

CHAIN OF CUSTODY DESPATCH SHEET

Project Name: CATHERINE HILL BAY
Project No: 39662.C DP Order No: 67338
DP Contact Person: COLIN REID
Prior Storage: esky / (fridge) / shelved (circle)

To: SGS Australia PTY LTD
Unit 16/33 Maddox Street
ALEXANDRIA NSW 2015
Ph: (02) 8594 0400
Attn: Angela

Sample ID	Date Sampled	Sample Type S-soil W-water	Lab ID	Analytes: TRH	BTEX	PAH	PCB	OCP	OPP	Metals #	Asbestos							TCLP	Notes
Pit12/0.7	2/8/07	S	13	✓	✓	✓	✓	✓	✓	✓									
Pit13/0.1	↓	↓	14	✓	✓	✓	✓	✓	✓	✓									
Pit13/0.35	↓	↓	15	✓	✓	✓	✓	✓	✓	✓									
Pit14/0.3	1/8/07	↓	16	✓	✓	✓	✓	✓	✓	✓									
Pit15/0.1	31/7/07	↓	17	✓	✓	✓	✓	✓	✓	✓									
Pit16/0.2	2/8/07	↓	18	✓	✓	✓	✓	✓	✓	✓									
Pit17/0.9	↓	↓	19	✓	✓	✓	✓	✓	✓	✓									
Pit18/0.15	↓	S+Fibro	20, 21, 22 Fibro	✓	✓	✓	✓	✓	✓	✓	✓								Bag of fibro fragments + 50g soil
Pit19/0.7	1/8/07	S	23	✓	✓	✓	✓	✓	✓	✓									
Pit20/0.1	6/8/07	↓	24	✓	✓	✓	✓	✓	✓	✓									
Pit21/0.05	2/8/07	↓	25	✓	✓	✓	✓	✓	✓	✓									
Pit22/0.3	↓	↓	26	✓	✓	✓	✓	✓	✓	✓									
PQL (S)		mg/kg																	
PQL (W)		mg/L																	

PQL = practical quantitation limit *As per Laboratory Method (Detection Limit)
# - Metals to Analyse (Please circle): (As Cd Cr Cu Pb Zn Hg Ni Other)
Date relinquished: 13/8/07
Total number of samples in container: 85
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TAT (Circle): (Standard) 72 hr 48hr 24hr

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3/8

Douglas Partners
Geotechnics · Environment · Groundwater

CHAIN OF CUSTODY DESPATCH SHEET

Project Name: CATHERINE HILL BAY
Project No: 39662C DP Order No: 61338
DP Contact Person: COLIN REID
Prior Storage: esky / fridge / shelved (circle)

To: SGS Australia PTY LTD
Unit 16/33 Maddox Street
ALEXANDRIA NSW 2015
Ph: (02) 8594 0400
Attn: Angela

Sample ID	Date Sampled	Sample Type S-soil W-water	Lab ID	Analytes: TRH	BTEX	PAH	PCB	OCP	OPP	Metals #	Asbestos						TCLP	Notes
Pit22/2.8	2/8/07	S	27	✓	✓	✓	✓	✓	✓	✓								
Pit23/0.02	3/8/07		43	✓	✓	✓	✓	✓	✓	✓								
Pit23/0.9	3/8/07		28	✓	✓	✓	✓	✓	✓	✓								
Pit24/0.6	2/8/07		29	✓	✓	✓	✓	✓	✓	✓								
Pit25/0.5	3/8/07		30	✓	✓	✓	✓	✓	✓	✓								
Pit26/0.3	1/8/07		31	✓	✓	✓	✓	✓	✓	✓								
Pit27/0.05	3/8/07		32	✓	✓	✓	✓	✓	✓	✓								
Pit28/0.15	1/8/07		33	✓	✓	✓	✓	✓	✓	✓								
Pit28/1.4	↓		34	✓	✓	✓	✓	✓	✓	✓								
Pit29/0.3	3/8/07		35	✓	✓	✓	✓	✓	✓	✓								
Pit30/0.05	1/8/07		36	✓	✓	✓	✓	✓	✓	✓								
Pit3/0.7	↓	↓	37	✓	✓	✓	✓	✓	✓	✓								
PQL (S)		mg/kg																
PQL (W)		mg/L																

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# - Metals to Analyse (Please circle): As Cd Cr Cu Pb Zn Hg Ni Other
Date relinquished: 13/8/07
Total number of samples in container: 85
Results required by: 21/8/07
TAT (Circle): Standard 72 hr 48hr 24hr

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Geotechnics · Environment · Groundwater

CHAIN OF CUSTODY DESPATCH SHEET

Project Name: CATHERINE HILL BAY
Project No: 39662C DP Order No: 67338
DP Contact Person: COLIN REID
Prior Storage: esky / (fridge) / shelved (circle)

To: SGS Australia PTY LTD
Unit 16/33 Maddox Street
ALEXANDRIA NSW 2015
Ph: (02) 8594 0400
Attn: Angela

Sample ID	Date Sampled	Sample Type S-soil W-water	Lab ID	Analytes: TRH	BTEX	PAH	PCB	OCP	OPP	Metals #	Asbestos							TCLP	Notes
Pit 32/0.2	6/8/07	S	38	✓	✓	✓	✓	✓	✓	✓									
Pit 32/0.8	↓	↓	63	✓	✓	✓	✓	✓	✓	✓									
Pit 33/0.1			39	✓	✓	✓	✓	✓	✓	✓									
Pit 33/1.3			40	✓	✓	✓	✓	✓	✓	✓									
Pit 33/2.8			41	✓	✓	✓	✓	✓	✓	✓									
Pit 34/0.3			42	✓	✓	✓	✓	✓	✓	✓									
Pit 36/0.8			44	✓	✓	✓	✓	✓	✓	✓									
Pit 36/2.5	↓		45	✓	✓	✓	✓	✓	✓	✓									
Pit 37/1.2	7/8/07		46	✓	✓	✓	✓	✓	✓	✓									
Pit 38/0.3	↓		47	✓	✓	✓	✓	✓	✓	✓									
Pit 39/0.05			48	✓	✓	✓	✓	✓	✓	✓									
Pit 39/1.0	↓	↓	49	✓	✓	✓	✓	✓	✓	✓									
PQL (S)		mg/kg																	
PQL (W)		mg/L																	

PQL = practical quantitation limit *As per Laboratory Method (Detection Limit)
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