Appendix 2: Exploratory Hole Logs

Cable Percussion Drilling Log

EXPLORATION & TESTING ASSOCIATES

Project Name: Sandwich Road, Sholden	Client: BWB Consulting Ltd	Date: 09/08/2021
Location: Kent	Contractor: Exploration & Testing	Co-ords: E635398.51 N152640.27
Project No. : C10157	Crew Name: KF Drilling Ltd	Drilling Equipment: Cable Percussive Rig

Borehole Number	Hole Type	Level	Logged By	Scale	Status
BH101	CP	17.83m AoD		1:50	DRAFT

Well	Water Strikes	Sample and In Situ Testing Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
		0.50	D1		0.50	17.33		TOPSOIL: Crop over brown slightly gravelly clayey SAND. Sand is fine, gravel is angular to rounded fine to coarse flint. ()
								Brown slightly gravelly clayey fine SAND. Gravel is angular and subangular fine to coarse flint. ()
		1.20	SPT	N=9 (1,2/2,2,3,2)	1.20	16.63		Structureless CHALK composed of white gravelly SILT. Gravel is very weak, low density, white angular and subangular fine and medium chalk. Rare angular flint gravel. ()
		1.50	D2					
		2.00	SPT	N=11 (1,2/2,3,3,3)				
		2.50	D3					
		3.00	SPT	N=33 (3,7/10,10,7,6)				
		3.10	B1					
		3.50	D4					
		4.00	SPT	N=14 (2,3/3,4,4,3)				
		4.50	D5					
		5.00	SPT	N=17 (2,2/4,4,4,5)				
		5.50	D6					
		6.50	D7					
		6.50	SPT	N=17 (2,4/4,4,5,4)				
		7.50	D8					
		8.00	SPT	N=12 (2,3/3,4,3,2)				
		8.50	D9					
		9.50	D10					
		9.50	SPT	N=10 (2,2/3,2,3,2)				

Hole Diameter		Casing Diameter		Chiselling				Water Strike General		
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Remarks	Depth Strike	Date Time	Remarks

Remarks

Cable Percussion Drilling Log

EXPLORATION & TESTING ASSOCIATES

Project Name: Sandwich Road, Sholden	Client: BWB Consulting Ltd	Date: 09/08/2021
Location: Kent	Contractor: Exploration & Testing	Co-ords: E635398.51 N152640.27
Project No. : C10157	Crew Name: KF Drilling Ltd	Drilling Equipment: Cable Percussive Rig

Borehole Number	Hole Type	Level	Logged By	Scale	Status
BH101	CP	17.83m AoD		1:50	DRAFT

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		10.50	D11					Structureless CHALK composed of white gravelly SILT. Gravel is very weak, low density, white angular and subangular fine and medium chalk. Rare angular flint gravel. ()
		11.00	SPT	N=13 (2,2/3,3,3,4)				
		11.50	D12					
		12.50	D13					
		12.50	SPT	N=16 (2,3/4,4,4,4)				
		13.50	D14					
		14.00	SPT	N=15 (2,3/3,4,5,3)				
		14.50	D15					
		15.00	SPT	N=17 (2,2/4,4,5,4)				
					15.45	2.38		End of Borehole at 15.45m

Hole Diameter		Casing Diameter		Chiselling				Water Strike General		
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Remarks	Depth Strike	Date Time	Remarks

Remarks

Cable Percussion Drilling Log

EXPLORATION & TESTING ASSOCIATES

Project Name: Sandwich Road, Sholden	Client: BWB Consulting Ltd	Date: 05/08/2021 - 06/08/2021
Location: Kent	Contractor: Exploration & Testing	Co-ords: E635432.07 N152448.55
Project No. : C10157	Crew Name: KF Drilling Ltd	Drilling Equipment: Cable Percussive Rig

Borehole Number	Hole Type	Level	Logged By	Scale	Status
BH102	CP	20.88m AoD	ES	1:50	DRAFT

Well	Water Strikes	Sample and In Situ Testing Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
		0.50	D1		0.40	20.48		TOPSOIL: Crop over brown slightly gravelly clayey SAND. Sand is fine. Gravel is angular to rounded fine to coarse flint. ()
								Brown slightly gravelly clayey fine SAND. Gravel is angular and subangular fine to coarse flint. ()
		1.20 - 1.70	B1					
		1.20	SPT	N=4 (1,2/1,1,1,1)				
		1.50	D2					
		2.00	SPT	N=5 (1,2/1,2,1,1)	2.00	18.88		Light brown sandy angular and subangular fine to coarse chalk and flint GRAVEL with a low cobble content. Sand is fine and medium. Cobbles are angular and subangular chalk and flint. ()
		2.50	D3		2.70	18.18		Structureless CHALK composed of white gravelly SILT. Gravel is very weak, low density, white angular and subangular fine and medium chalk. Rare angular flint gravel. ()
		3.00	SPT	N=18 (2,3/5,4,4,5)				
		3.50	D4					
		4.00	SPT	N=16 (2,3/4,4,4,4)				
		4.50	D5					
		5.00	SPT	N=15 (2,2/3,3,4,5)				
		5.50	D6					
		6.50	D7					
		6.50	SPT	N=18 (3,3/5,4,4,5)				
		7.50	D8					
		8.00	SPT	N=16 (3,5/3,4,4,5)				
		8.50	D9					
		9.50	D10					
		9.50	SPT	N=22 (2,3/4,6,5,7)				

Hole Diameter		Casing Diameter		Chiselling				Water Strike General		
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Remarks	Depth Strike	Date Time	Remarks

Remarks

Cable Percussion Drilling Log

EXPLORATION & TESTING ASSOCIATES

Project Name: Sandwich Road, Sholden	Client: BWB Consulting Ltd	Date: 05/08/2021 - 06/08/2021
Location: Kent	Contractor: Exploration & Testing	Co-ords: E635432.07 N152448.55
Project No. : C10157	Crew Name: KF Drilling Ltd	Drilling Equipment: Cable Percussive Rig

Borehole Number	Hole Type	Level	Logged By	Scale	Status
BH102	CP	20.88m AoD	ES	1:50	DRAFT

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		10.50	D11					Structureless CHALK composed of white gravelly SILT. Gravel is very weak, low density, white angular and subangular fine and medium chalk. Rare angular flint gravel. ()
		11.00	SPT	N=16 (2,3/4,3,4,5)				
		11.50	D12					
		12.50	D13					
		12.50	SPT	N=17 (1,3/3,5,5,4)				
		13.50	D14					
		14.00	SPT	N=19 (2,3/4,5,5,5)				
		14.50	D15					
		15.00	SPT	N=22 (2,3/5,7,5,5)				
					15.45	5.43		End of Borehole at 15.45m

11 12 13 14 15 16 17 18 19 20

Hole Diameter		Casing Diameter		Chiselling				Water Strike General		
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Remarks	Depth Strike	Date Time	Remarks

Remarks

Cable Percussion Drilling Log

EXPLORATION & TESTING ASSOCIATES

Project Name: Sandwich Road, Sholden	Client: BWB Consulting Ltd	Date: 06/08/2021
Location: Kent	Contractor: Exploration & Testing	Co-ords: E635287.63 N152501.70
Project No. : C10157	Crew Name: KF Drilling Ltd	Drilling Equipment: Cable Percussive Rig

Borehole Number	Hole Type	Level	Logged By	Scale	Status
BH103	CP	22.10m AoD	ES	1:50	DRAFT

Well	Water Strikes	Sample and In Situ Testing Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
					0.30	21.80		TOPSOIL: Crop over brown slightly gravelly clayey SAND. Sand is fine. Gravel is angular to rounded fine to coarse flint and brick. ()
		0.50	D1		0.50	21.60		Light brown sandy angular and subangular chalk and flint GRAVEL with a low cobble content. Sand is fine and medium. Cobbles are angular and subangular chalk and flint. ()
		1.20	SPT	N=15 (2,2/4,5,3,3)				Structureless CHALK composed of white gravelly SILT. Gravel is very weak, low density, white angular and subangular fine and medium chalk. Rare angular flint gravel. ()
		1.50	D2					
		2.00	SPT	N=10 (2,3/3,2,3,2)				
		2.50	D3					
		3.00	SPT	N=14 (2,3/3,3,4,4)				
		3.50	D4					
		4.00	SPT	N=33 (4,4/6,10,10,7)				
		4.50	D5					
		5.00 - 5.30	B1					
		5.00	SPT	N=17 (3,4/7,4,3,3)				
		5.50	D6					
		6.50	D7					
		6.50	SPT	N=18 (2,5/2,5,5,6)				
		7.50	D8					
		8.00	SPT	N=14 (2,2/2,4,4,4)				
		8.50	D9					
		9.50	D10					
		9.50	SPT	N=16 (2,2/3,4,5,4)				

Hole Diameter		Casing Diameter		Chiselling				Water Strike General		
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Remarks	Depth Strike	Date Time	Remarks

Remarks

Cable Percussion Drilling Log

EXPLORATION & TESTING ASSOCIATES

Project Name: Sandwich Road, Sholden	Client: BWB Consulting Ltd	Date: 06/08/2021
Location: Kent	Contractor: Exploration & Testing	Co-ords: E635287.63 N152501.70
Project No. : C10157	Crew Name: KF Drilling Ltd	Drilling Equipment: Cable Percussive Rig

Borehole Number	Hole Type	Level	Logged By	Scale	Status
BH103	CP	22.10m AoD	ES	1:50	DRAFT

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		10.50	D11					Structureless CHALK composed of white gravelly SILT. Gravel is very weak, low density, white angular and subangular fine and medium chalk. Rare angular flint gravel. ()
		11.00	SPT	N=15 (2,3/2,3,5,5)				
		11.50	D12					
		12.50	D13					
		12.50	SPT	N=15 (2,2/3,4,3,5)				
		13.50	D14					
		14.00	SPT	N=18 (2,3/4,5,5,4)				
		14.50	D15					
		15.00	SPT	N=18 (3,3/4,4,5,5)				
					15.45	6.65		End of Borehole at 15.45m

Hole Diameter		Casing Diameter		Chiselling				Water Strike General		
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Remarks	Depth Strike	Date Time	Remarks

Remarks

EXPLORATION & TESTING ASSOCIATES

Dynamic Sample Log

Project Name: Sandwich Road, Sholden	Client: BWB Consulting Ltd	Date: 09/08/2021
Location: Kent	Contractor: Exploration & Testing	Co-ords: E635377.55 N152665.76
Project No. : C10157	Crew Name: Keystone Site Solutions	Drilling Equipment: Premier Compact 110

Borehole Number	Hole Type	Level	Logged By	Scale	Status
DS101	WS	17.66m AoD	ES	1:40	DRAFT

Well	Water Strikes	Sample and In Situ Testing Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
					0.30	17.36		TOPSOIL: Brown slightly gravelly clayey SAND. Sand is medium. Gravel is subangular to rounded fine to coarse flint.
					0.70	16.96		Brown slightly gravelly clayey medium SAND. Gravel is angular to subrounded fine to coarse flint.
		1.00 1.00	D1 SPT	N=35 (5,7/8,8,9,10)	1.10	16.56		Light brown silty sandy angular and subangular fine and medium chalk GRAVEL. Sand is fine.
					1.80	15.86		Structureless CHALK composed of silty angular and subangular fine and medium GRAVEL. Gravel is very weak low density white. Rare angular flint gravel.
		2.00 2.00	D2 SPT	N=24 (3,3/5,4,5,10)				Structureless CHALK composed of cream gravelly SILT. Gravel is very weak low density angular and subangular fine and medium. Rare angular flint gravel.
		3.00 3.00	D3 SPT	N=19 (2,3/5,5,4,5)				
		4.00 4.00	D4 SPT	N=16 (3,3/4,3,4,5)				
		5.00 5.00	D5 SPT	N=16 (5,5/3,4,5,4)				
					5.45	12.21		End of Borehole at 5.45m

1 2 3 4 5 6 7

Hole Diameter		Casing Diameter		Water Strike General		
Depth Base	Diameter	Depth Base	Diameter	Depth Strike	Date Time	Remarks

Remarks

EXPLORATION & TESTING ASSOCIATES

Dynamic Sample Log

Project Name: Sandwich Road, Sholden	Client: BWB Consulting Ltd	Date: 09/08/2021
Location: Kent	Contractor: Exploration & Testing	Co-ords: E635401.15 N152571.19
Project No. : C10157	Crew Name: Keystone Site Solutions	Drilling Equipment: Premier Compact 110

Borehole Number	Hole Type	Level	Logged By	Scale	Status
DS102	WS	19.43m AoD	ES	1:40	DRAFT

Well	Water Strikes	Sample and In Situ Testing Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
					0.30	19.13		TOPSOIL: Brown slightly gravelly clayey SAND. Sand is medium. Gravel is subangular to rounded fine to coarse flint.
					0.65	18.78		Light brown slightly gravelly clayey medium SAND. Gravel is angular to subrounded fine to coarse flint.
		1.00 1.00	D1 SPT	N=8 (3,3/2,2,2,2)	1.10	18.33		Structureless CHALK composed of sandy silty subangular and subrounded fine to coarse GRAVEL. Clasts are very weak and weak low and medium density, white with rare black specks and brown staining. Matrix is cream.
		2.00 2.00	D2 SPT	N=14 (2,3/3,4,3,4)	2.20	17.23		Structureless CHALK composed of silty angular and subangular fine and medium GRAVEL. Gravel is very weak low density white. Rare angular flint gravel.
		3.00 3.00	D3 SPT	N=23 (2,4/5,5,6,7)				Structureless CHALK composed of cream gravelly SILT. Gravel is very weak low density angular and subangular fine and medium. Rare angular flint gravel.
		4.00 4.00	D4 SPT	N=22 (4,4/5,7,5,5)				
		5.00 5.00	D5 SPT	N=17 (4,4/6,4,4,3)				
					5.45	13.98		End of Borehole at 5.45m

1 2 3 4 5 6 7

Hole Diameter		Casing Diameter		Water Strike General		
Depth Base	Diameter	Depth Base	Diameter	Depth Strike	Date Time	Remarks

Remarks

EXPLORATION & TESTING ASSOCIATES

Dynamic Sample Log

Project Name: Sandwich Road, Sholden	Client: BWB Consulting Ltd	Date: 09/08/2021
Location: Kent	Contractor: Exploration & Testing	Co-ords: E635308.44 N152640.60
Project No. : C10157	Crew Name: Keystone Site Solutions	Drilling Equipment: Premier Compact 110

Borehole Number	Hole Type	Level	Logged By	Scale	Status
DS103	WS	19.36m AoD	ES	1:40	DRAFT

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		1.00 1.00	D1 SPT	N=10 (2,2/2,2,3,3)	0.30	19.06		TOPSOIL: Brown slightly gravelly clayey SAND. Sand is medium. Gravel is subangular to rounded fine to coarse flint.
					1.10	18.26		Structureless CHALK composed of sandy silty subangular and subrounded fine to coarse GRAVEL. Clasts are very weak and weak low and medium density, white with rare black specks and brown staining. Matrix is cream.
					1.60	17.76		Structureless CHALK composed of silty subangular and subrounded fine and medium GRAVEL. Clasts are very weak low density, white with rare black specks. Matrix is cream.
		2.00 2.00	D2 SPT	N=15 (1,1/3,4,5,3)				Structureless CHALK composed of cream gravelly SILT. Gravel is very weak low density angular and subangular fine and medium. Rare angular flint gravel.
		3.00 3.00	D3 SPT	N=15 (2,3/4,4,3,4)				
		4.00 4.00	D4 SPT	N=35 (4,4/5,5,16,9)				
		5.00 5.00	D5 SPT	N=15 (3,4/5,3,3,4)				
					5.45	13.91		End of Borehole at 5.45m

1 2 3 4 5 6 7

Hole Diameter		Casing Diameter		Water Strike General		
Depth Base	Diameter	Depth Base	Diameter	Depth Strike	Date Time	Remarks

Remarks

EXPLORATION & TESTING ASSOCIATES

Dynamic Sample Log

Project Name: Sandwich Road, Sholden	Client: BWB Consulting Ltd	Date: 12/08/2021
Location: Kent	Contractor: Exploration & Testing	Co-ords: E635347.36 N152592.14
Project No. : C10157	Crew Name: Keystone Site Solutions	Drilling Equipment: Premier Compact 110

Borehole Number	Hole Type	Level	Logged By	Scale	Status
DS104	WS	19.91m AoD	ES	1:40	DRAFT

Well	Water Strikes	Sample and In Situ Testing Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
		0.30	ES1		0.45	19.46		TOPSOIL: Brown slightly gravelly clayey SAND. Sand is medium. Gravel is subangular to rounded fine to coarse flint.
		1.00 1.00	D1 SPT	N=17 (2,3/3,4,5,5)	1.10	18.81		Structureless CHALK composed of sandy silty subangular and subrounded fine to coarse GRAVEL. Clasts are very weak and weak low and medium density, white with rare black specks and brown staining. Matrix is cream.
		2.00 2.00	D2 SPT	N=21 (2,5/5,5,5,6)	2.00	17.91		Structureless CHALK composed of silty angular and subangular fine and medium GRAVEL. Clasts are very weak low density, white with rare black specks. Matrix is cream.
		3.00 3.00	D3 SPT	N=50 (5,9/50 for 275mm)	3.45	16.46		Structureless CHALK composed of cream gravelly SILT. Gravel is very weak low density angular and subangular fine and medium. Rare angular flint gravel.
								End of Borehole at 3.45m

Hole Diameter		Casing Diameter		Water Strike General		
Depth Base	Diameter	Depth Base	Diameter	Depth Strike	Date Time	Remarks

Remarks

EXPLORATION & TESTING ASSOCIATES

Dynamic Sample Log

Project Name: Sandwich Road, Sholden	Client: BWB Consulting Ltd	Date: 09/08/2021
Location: Kent	Contractor: Exploration & Testing	Co-ords: E635378.21 N152549.81
Project No. : C10157	Crew Name: Keystone Site Solutions	Drilling Equipment: Premier Compact 110

Borehole Number	Hole Type	Level	Logged By	Scale	Status
DS105	WS	20.33m AoD	ES	1:40	DRAFT

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.45	19.88		TOPSOIL: Brown slightly gravelly clayey SAND. Sand is medium. Gravel is subangular to rounded fine to coarse flint.
					0.60	19.73		Structureless CHALK composed of sandy silty subangular and subrounded fine to coarse GRAVEL. Clasts are very weak and weak low and medium density, white with rare black specks and brown staining. Matrix is cream.
		1.00 1.00	D1 SPT	N=14 (3,3/4,4,3,3)				Structureless CHALK composed of silty angular and subangular fine and medium GRAVEL. Clasts are very weak low density, white with rare black specks. Matrix is cream.
		2.00 2.00	D2 SPT	N=13 (1,2/3,3,4,3)	2.00	18.33		Structureless CHALK composed of cream gravelly SILT. Gravel is very weak low density angular and subangular fine and medium. Rare angular flint gravel.
		3.00 3.00	D3 SPT	N=19 (2,4/3,5,5,6)				
		4.00 4.00	D4 SPT	N=23 (4,4/4,6,6,7)				
		5.00 5.00	D5 SPT	N=17 (3,3/4,5,5,3)				
					5.45	14.88		End of Borehole at 5.45m

1 2 3 4 5 6 7

Hole Diameter		Casing Diameter		Water Strike General		
Depth Base	Diameter	Depth Base	Diameter	Depth Strike	Date Time	Remarks

Remarks

EXPLORATION & TESTING ASSOCIATES

Dynamic Sample Log

Project Name: Sandwich Road, Sholden	Client: BWB Consulting Ltd	Date: 12/08/2021
Location: Kent	Contractor: Exploration & Testing	Co-ords: E635414.34 N152490.77
Project No. : C10157	Crew Name: Keystone Site Solutions	Drilling Equipment: Premier Compact 110

Borehole Number	Hole Type	Level	Logged By	Scale	Status
DS106	WS	20.98m AoD	ES	1:40	DRAFT

Well	Water Strikes	Sample and In Situ Testing Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
					0.40	20.58		TOPSOIL: Brown slightly gravelly clayey SAND. Sand is medium. Gravel is subangular to rounded fine to coarse flint.
		1.00 1.00	D1 SPT	N=12 (2,3/3,3,3,3)	1.20	19.78		Structureless CHALK composed of sandy silty subangular and subrounded fine to coarse GRAVEL. Clasts are very weak and weak low and medium density, white with rare black specks and brown staining. Matrix is cream.
		2.00 2.00	D2 SPT	N=20 (1,2/3,7,4,6)				Structureless CHALK composed of cream gravelly SILT. Gravel is very weak low density angular and subangular fine and medium. Rare angular flint gravel.
		3.00 3.00	D3 SPT	N=15 (1,4/4,4,3,4)				
		4.00 4.00	D4 SPT	N=22 (2,2/3,5,4,10)				
		5.00 5.00	D5 SPT	N=21 (2,4/5,6,5,5)	5.45	15.53		End of Borehole at 5.45m

1 2 3 4 5 6 7

Hole Diameter		Casing Diameter		Water Strike General		
Depth Base	Diameter	Depth Base	Diameter	Depth Strike	Date Time	Remarks

Remarks

Dynamic Sample Log

EXPLORATION & TESTING ASSOCIATES

Project Name: Sandwich Road, Sholden	Client: BWB Consulting Ltd	Date: 12/08/2021
Location: Kent	Contractor: Exploration & Testing	Co-ords: E635326.90 N152451.54
Project No. : C10157	Crew Name: Keystone Site Solutions	Drilling Equipment: Premier Compact 110

Borehole Number	Hole Type	Level	Logged By	Scale	Status
DS107	WS	22.47m AoD	ES	1:40	DRAFT

Well	Water Strikes	Sample and In Situ Testing Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
		0.40	ES1		0.45	22.02		TOPSOIL: Brown slightly gravelly clayey SAND. Sand is medium. Gravel is subangular to rounded fine to coarse flint.
		1.00 1.00	D1 SPT	N=11 (1,1/2,2,3,4)	1.20	21.27		Structureless CHALK composed of silty sandy angular and subangular fine and medium GRAVEL. Clasts are very weak low density, white with rare black specks. Sand is medium. Matrix is cream. Rare angular flint gravel.
		2.00 2.00	D2 SPT	N=19 (2,2/3,5,5,6)	2.10	20.37		Structureless CHALK composed of silty angular fine to coarse GRAVEL. Clasts are weak medium density white with rare black specks and brown staining. Rare angular flint gravel.
		3.00 3.00	D3 SPT	N=14 (1,2/3,3,4,4)				Structureless CHALK composed of cream gravelly SILT. Gravel is very weak low density angular and subangular fine and medium. Rare angular flint gravel.
		4.00 4.00	D4 SPT	N=24 (2,4/4,5,6,9)				
		5.00 5.00	D5 SPT	N=50 (7,10/50 for 275mm)				
					5.45	17.02		End of Borehole at 5.45m

1 2 3 4 5 6 7

Hole Diameter		Casing Diameter		Water Strike General		
Depth Base	Diameter	Depth Base	Diameter	Depth Strike	Date Time	Remarks

Remarks

EXPLORATION & TESTING ASSOCIATES

Dynamic Sample Log

Project Name: Sandwich Road, Sholden	Client: BWB Consulting Ltd	Date: 11/08/2021
Location: Kent	Contractor: Exploration & Testing	Co-ords: E635371.22 N152400.91
Project No. : C10157	Crew Name: Keystone Site Solutions	Drilling Equipment: Premier Compact 110

Borehole Number	Hole Type	Level	Logged By	Scale	Status
DS108	WS	22.49m AoD	ES	1:40	DRAFT

Well	Water Strikes	Sample and In Situ Testing Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
		0.60	ES1		0.50	21.99		TOPSOIL: Brown slightly gravelly clayey SAND. Sand is medium. Gravel is subangular to rounded fine to coarse flint.
		1.00 1.00	D1 SPT	N=16 (2,3/4,4,4,4)	1.00	21.49		Structureless CHALK composed of silty angular and subangular fine and medium GRAVEL. Clasts are very weak low density, white with rare black specks.
		2.00 2.00	D2 SPT	N=21 (2,3/5,5,5,6)				Structureless CHALK composed of cream gravelly SILT. Gravel is very weak low density angular and subangular fine and medium. Rare angular flint gravel.
		3.00 3.00	D3 SPT	N=15 (3,4/3,4,4,4)				
		4.00 4.00	D4 SPT	N=33 (4,5/7,13,7,6)				
		5.00 5.00	D5 SPT	N=31 (4,6/5,9,7,10)				
					5.45	17.04		End of Borehole at 5.45m

1 2 3 4 5 6 7

Hole Diameter		Casing Diameter		Water Strike General		
Depth Base	Diameter	Depth Base	Diameter	Depth Strike	Date Time	Remarks

Remarks

Trial Pit Log

Project Name: Sandwich Road, Sholden	Client: BWB Consulting Ltd	Date: 03/08/2021
Location: Kent	Contractor: Exploration & Testing	Co-ords: E635354.31 N152690.08
Project No. : C10157	Crew Name:	Equipment: 13 Tonne Excavator

Location Number	Location Type	Level	Logged By	Scale	Status
SA101	TP	17.58m AoD	AH	1:25	DRAFT

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								TOPSOIL: Crop over soft dark brown slightly sandy slightly gravelly CLAY. Sand is fine. Gravel is angular and subangular fine flint.
					0.40	17.18		Brown clayey gravelly fine and medium SAND. Gravel is angular and subangular fine and medium chalk and flint.
					0.90	16.68		Light brown clayey gravelly fine SAND. Gravel is angular and subangular fine and medium chalk and flint.
					1.10	16.48		Structureless CHALK composed of very gravelly fine and medium SAND with a low cobble content. Gravel and cobbles are very weak and weak, low and medium density, white, angular and subangular. Occasional angular flint cobbles.
					1.60	15.98		End of Trial Pit at 1.60m

1
2
3
4
5

Dimensions		Trench Support and Comment			Water Stike General	
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Depth Strike	Date Time
1.60	0.65					

Remarks

Groundwater not encountered

EXPLORATION & TESTING ASSOCIATES

Trial Pit Log

Project Name: Sandwich Road, Sholden	Client: BWB Consulting Ltd	Date: 03/08/2021
Location: Kent	Contractor: Exploration & Testing	Co-ords: E635442.44 N152596.52
Project No. : C10157	Crew Name:	Equipment: 13 Tonne Excavator

Location Number	Location Type	Level	Logged By	Scale	Status
SA102	TP	18.07m AoD	AH	1:25	DRAFT

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								TOPSOIL: Crop over soft dark brown slightly sandy slightly gravelly CLAY. Sand is fine. Gravel is angular and subangular fine flint.
					0.40	17.67		Brown clayey gravelly fine and medium SAND. Gravel is angular and subangular fine and medium chalk and flint.
					1.30	16.77		Light brown clayey gravelly fine SAND. Gravel is angular and subangular fine and medium chalk and flint.
					1.70	16.37		Structureless CHALK composed of sandy GRAVEL with a low cobble content. Gravel and cobbles are very weak and weak, low and medium density, angular and subangular fine to coarse, cream. With occasional angular flint gravel and cobbles.
					2.35	15.72		End of Trial Pit at 2.35m

1 2 3 4 5

Dimensions		Trench Support and Comment			Water Stike General	
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Depth Strike	Date Time
2.35	0.60					

Remarks

Groundwater not encountered

Trial Pit Log

EXPLORATION & TESTING ASSOCIATES

Project Name: Sandwich Road, Sholden	Client: BWB Consulting Ltd	Date: 03/08/2021
Location: Kent	Contractor: Exploration & Testing	Co-ords: E635449.00 N152433.85
Project No. : C10157	Crew Name:	Equipment: 13 Tonne Excavator

Location Number	Location Type	Level	Logged By	Scale	Status
SA103	TP	20.81m AoD	AH	1:25	DRAFT

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								TOPSOIL: Crop over soft dark brown slightly sandy slightly gravelly CLAY. Sand is fine. Gravel is angular and subangular fine flint.
					0.40	20.41		
								Brown clayey gravelly fine and medium SAND. Gravel is angular and subangular fine and medium chalk and flint.
		1.50	B1					
					2.00	18.81		Structureless CHALK composed of sandy GRAVEL with a low cobble content. Gravel and cobbles are very weak and weak, low and medium density, angular and subangular fine to coarse, cream. With occasional angular flint gravel and cobbles.
					2.50	18.31		End of Trial Pit at 2.50m

1 2 3 4 5

Dimensions		Trench Support and Comment			Water Stike General	
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Depth Strike	Date Time
2.50	0.65					

Remarks

Groundwater not encountered

Trial Pit Log

EXPLORATION & TESTING ASSOCIATES

Project Name: Sandwich Road, Sholden	Client: BWB Consulting Ltd	Date: 02/08/2021
Location: Kent	Contractor: Exploration & Testing	Co-ords: E635366.67 N152607.41
Project No. : C10157	Crew Name:	Equipment: 13 Tonne Excavator

Location Number	Location Type	Level	Logged By	Scale	Status
TP101	TP	19.14m AoD	AH	1:25	DRAFT

Backfill	Water Strikes	Sample and In Situ Testing Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
					0.40	18.74		TOPSOIL: Crop over soft dark brown slightly gravelly CLAY. Gravel is angular to subrounded fine and medium flint.
		0.50	ES1					Stiff friable slightly sandy slightly gravelly CLAY. Sand is fine to coarse, gravel is angular to subangular fine to medium chalk and rare flint.
		0.60	D1		0.70	18.44		Light brown and white clayey very gravelly fine to medium SAND. Gravel is angular to subangular fine to medium chalk and rare flint.
		0.80	ES2					
		0.90	D2		1.00	18.14		Structureless CHALK composed of white clayey very sandy angular to subangular fine to coarse GRAVEL. Clasts are very weak and weak low and medium density, white with rare black specks and brown staining. Matrix is cream.
		1.50	D3					
					2.40	16.74		End of Trial Pit at 2.40m

1 2 3 4 5

Dimensions		Trench Support and Comment			Water Stike General	
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Depth Strike	Date Time
2.50	0.70	Stable				

Remarks

Groundwater not encountered

EXPLORATION & TESTING ASSOCIATES

Trial Pit Log

Project Name: Sandwich Road, Sholden	Client: BWB Consulting Ltd	Date: 02/08/2021
Location: Kent	Contractor: Exploration & Testing	Co-ords: E635284.62 N152616.73
Project No. : C10157	Crew Name:	Equipment: 13 Tonne Excavator

Location Number	Location Type	Level	Logged By	Scale	Status
TP102	TP	20.39m AoD	AH	1:25	DRAFT

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								TOPSOIL: Crop over soft dark brown slightly gravelly CLAY. Gravel is angular to subrounded fine and medium flint.
		0.45	ES1		0.40	19.98		
		0.60	ES2		0.50	19.89		Stiff friable slightly sandy slightly gravelly CLAY. Sand is fine to coarse, gravel is angular to subangular fine to medium chalk and rare flint.
					0.70	19.68		Light brown slightly clayey gravelly fine to medium SAND. Gravel is angular to subangular fine to medium chalk and rare flint.
		1.00	D1					Structureless CHALK composed of white sandy angular to subangular fine to medium GRAVEL. Clasts are very weak and weak low and medium density, white with rare black specks and brown staining. Matrix is cream.
								Below 1.60m: very clayey sandy
		2.00	D2					
		3.00	D3		3.00	17.39		End of Trial Pit at 3.00m

1 2 3 4 5

Dimensions		Trench Support and Comment			Water Stike General	
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Depth Strike	Date Time
2.90	0.70	Stable				

Remarks

Groundwater not encountered

Trial Pit Log

EXPLORATION & TESTING ASSOCIATES

Project Name: Sandwich Road, Sholden	Client: BWB Consulting Ltd	Date: 02/08/2021
Location: Kent	Contractor: Exploration & Testing	Co-ords: E635232.89 N152574.65
Project No. : C10157	Crew Name:	Equipment: 13 Tonne Excavator

Location Number	Location Type	Level	Logged By	Scale	Status
TP103	TP	21.68m AoD	AH	1:25	DRAFT

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.20	ES1					TOPSOIL: Crop over soft dark brown slightly sandy slightly gravelly CLAY. Sand is fine. Gravel is angular and subangular fine chalk and flint.
					0.40	21.28		
		0.50	ES2					Brown clayey gravelly fine to medium SAND. Gravel is angular to subangular fine to medium chalk.
		0.55	D1		0.60	21.08		
		1.00	D2					Structureless CHALK composed of white clayey sandy angular to subangular fine to coarse GRAVEL. Clasts are very weak and weak low and medium density, white with rare orangish brown staining. Matrix is cream. Occasional flint gravels
								Below 1.20m: light brown speckling
		2.00	B1					*Between 2.00m and 2.40m bgl: Band of angular to subangular fine to coarse flint cobbles*
		3.00	D3					
					3.20	18.48		End of Trial Pit at 3.20m

1 2 3 4 5

Dimensions		Trench Support and Comment			Water Stike General	
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Depth Strike	Date Time
3.20	0.70	Stable				

Remarks

Groundwater not encountered

EXPLORATION & TESTING ASSOCIATES

Trial Pit Log

Project Name: Sandwich Road, Sholden	Client: BWB Consulting Ltd	Date: 02/08/2021
Location: Kent	Contractor: Exploration & Testing	Co-ords: E635264.60 N152532.82
Project No. : C10157	Crew Name:	Equipment: 13 Tonne Excavator

Location Number	Location Type	Level	Logged By	Scale	Status
TP104	TP	22.01m AoD	AH	1:25	DRAFT

Backfill	Water Strikes	Sample and In Situ Testing Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
					0.40	21.61		TOPSOIL: Crop over soft dark brown slightly sandy slightly gravelly CLAY. Sand is fine. Gravel is angular and subangular fine chalk and flint.
		0.50	ES1		0.60	21.41		Brown clayey gravelly fine to medium SAND. Gravel is angular to subangular fine to medium chalk.
		1.00 1.00	B1 D1					Structureless CHALK composed of white clayey sandy angular to subangular fine to coarse GRAVEL. Clasts are very weak and weak low and medium density, white with rare black specks and brown staining. Matrix is cream. Occasional lenses of soft white silt
		2.00	D2					
		3.00	D3					
					3.10	18.91		End of Trial Pit at 3.10m

1 2 3 4 5

Dimensions		Trench Support and Comment			Water Stike General	
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Depth Strike	Date Time
3.00	0.70	Stable				

Remarks

Groundwater not encountered

EXPLORATION & TESTING ASSOCIATES

Trial Pit Log

Project Name: Sandwich Road, Sholden	Client: BWB Consulting Ltd	Date: 02/08/2021
Location: Kent	Contractor: Exploration & Testing	Co-ords: E635369.00 N152564.96
Project No. : C10157	Crew Name:	Equipment: 13 Tonne Excavator

Location Number	Location Type	Level	Logged By	Scale	Status
TP105	TP	20.12m AoD	AH	1:25	DRAFT

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.20	ES1					TOPSOIL: Crop over soft dark brown slightly gravelly CLAY. Gravel is angular to subrounded fine and medium flint.
					0.40	19.72		
		0.50	D1					Stiff friable slightly sandy slightly gravelly CLAY. Sand is fine to coarse, gravel is angular to subangular fine to medium chalk and rare flint.
		0.60	ES2					
					0.70	19.42		Light brown and white clayey very gravelly fine to medium SAND. Gravel is angular to subangular fine to medium chalk and rare flint.
		0.90	D2					
					1.00	19.12		Structureless CHALK composed of white very clayey very sandy angular to subangular fine to coarse GRAVEL. Clasts are very weak and weak low and medium density, white with rare black specks and brown staining. Matrix is cream.
		2.00	D3					
		3.00	D4					
					3.10	17.02		End of Trial Pit at 3.10m

1 2 3 4 5

Dimensions		Trench Support and Comment			Water Stike General	
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Depth Strike	Date Time
3.10	0.70	Stable				

Remarks

Groundwater not encountered

Trial Pit Log

EXPLORATION & TESTING ASSOCIATES

Project Name: Sandwich Road, Sholden	Client: BWB Consulting Ltd	Date: 03/08/2021
Location: Kent	Contractor: Exploration & Testing	Co-ords: E635381.00 N152525.22
Project No. : C10157	Crew Name:	Equipment: 13 Tonne Excavator

Location Number	Location Type	Level	Logged By	Scale	Status
TP106	TP	21.04m AoD	AH	1:25	DRAFT

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.10	ES1					TOPSOIL: Crop over soft dark brown slightly sandy slightly gravelly CLAY. Sand is fine. Gravel is angular and subangular fine flint.
					0.40	20.64		Brown clayey gravelly fine to medium SAND. Gravel is angular to subangular fine to medium chalk and rare flint.
		0.60	ES2					
		0.70	D1					
					0.80	20.24		Light brown clayey gravelly fine SAND. Gravel is angular to subangular fine to medium chalk and rare flint.
					1.20	19.84		Structureless CHALK composed of white very sandy angular to subangular fine to coarse GRAVEL. Clasts are very weak and weak low and medium density, white with rare black specks and brown staining. Matrix is cream.
		1.70	D2					
					1.90	19.14		Structureless CHALK composed of white clayey sandy angular to subangular fine to coarse GRAVEL. Clasts are very weak and weak low and medium density, white with rare black specks and brown staining. Matrix is cream. with a low cobble content of angular to subangular chalk.
		2.70	D3		2.70	18.34		End of Trial Pit at 2.70m

1 2 3 4 5

Dimensions		Trench Support and Comment			Water Stike General	
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Depth Strike	Date Time
2.40	0.70	Stable				

Remarks

Groundwater not encountered

EXPLORATION & TESTING ASSOCIATES

Trial Pit Log

Project Name: Sandwich Road, Sholden	Client: BWB Consulting Ltd	Date: 02/08/2021
Location: Kent	Contractor: Exploration & Testing	Co-ords: E635310.31 N152470.80
Project No. : C10157	Crew Name:	Equipment: 13 Tonne Excavator

Location Number	Location Type	Level	Logged By	Scale	Status
TP107	TP	22.39m AoD	AH	1:25	DRAFT

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								TOPSOIL: Crop over soft dark brown slightly sandy slightly gravelly CLAY. Sand is fine. Gravel is angular and subangular fine chalk and flint.
					0.40	21.99		
		0.50	ES1					Brown clayey gravelly fine to medium SAND. Gravel is angular to subangular fine to medium chalk.
					0.60	21.79		
		0.70	ES2					Structureless CHALK composed of white clayey sandy angular to subangular fine to coarse GRAVEL. Clasts are very weak and weak low and medium density, white with rare black specks and brown staining. Matrix is cream.
		1.40	D1					*Below 1.50m: very sandy*
		3.00	D2		3.00	19.39		End of Trial Pit at 3.00m

1 2 3 4 5

Dimensions		Trench Support and Comment			Water Stike General	
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Depth Strike	Date Time
2.80	0.70	Stable				

Remarks

Groundwater not encountered

Trial Pit Log

Project Name: Sandwich Road, Sholden	Client: BWB Consulting Ltd	Date: 02/08/2021
Location: Kent	Contractor: Exploration & Testing	Co-ords: E635423.10 N152623.72
Project No. : C10157	Crew Name:	Equipment: 13 Tonne Excavator

Location Number	Location Type	Level	Logged By	Scale	Status
TP108	TP	17.90m AoD	AH	1:25	DRAFT

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.20	ES1					TOPSOIL: Crop over soft dark brown slightly gravelly CLAY. Gravel is angular to subrounded fine and medium flint.
		0.40	D1		0.40	17.50		
		0.50	ES2					Stiff friable brown slightly sandy slightly gravelly CLAY. Sand is fine to coarse, gravel is angular to subangular fine to medium chalk and flint.
		1.00	ES3		1.00	16.90		
		1.20	D2					Light brown and white clayey very gravelly fine to medium SAND. Gravel is angular to subangular fine to medium chalk and rare flint.
					1.60	16.30		
		2.00	D3					Structureless CHALK composed of white clayey sandy angular to subangular fine to coarse GRAVEL. Clasts are very weak and weak low and medium density, white with rare black specks and brown staining. Matrix is cream. Low cobble content of angular to subangular flint
					2.30	15.60		End of Trial Pit at 2.30m

1 2 3 4 5

Dimensions		Trench Support and Comment			Water Stike General	
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Depth Strike	Date Time
2.50	0.70	Stable				

Remarks

Groundwater not encountered
XYZ coordinates should be treated with caution and are an estimate valve

EXPLORATION & TESTING ASSOCIATES

Trial Pit Log

Project Name: Sandwich Road, Sholden	Client: BWB Consulting Ltd	Date: 04/08/2021
Location: Kent	Contractor: Exploration & Testing	Co-ords: E635419.88 N152446.92
Project No. : C10157	Crew Name:	Equipment: 13 Tonne Excavator

Location Number	Location Type	Level	Logged By	Scale	Status
TP109	TP	21.10m AoD	ES	1:25	DRAFT

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								TOPSOIL: Crop over soft dark brown slightly gravelly CLAY. Gravel is angular to subrounded fine and medium brick and flint.
		0.70 0.70 0.70	B1 D1 ES1		0.60	20.50		Light brown slightly gravelly clayey fine SAND. Gravel is angular to subangular fine to coarse flint.
		2.50	D2		2.00	19.10		Structureless CHALK composed of white sandy angular to subangular fine to coarse GRAVEL. Clasts are very weak and weak low and medium and medium strong density, white orange staining. Rare subrounded flint cobbles with with 3mm brown, clayey sand layer. Matrix is cream.
					3.00	18.10		End of Trial Pit at 3.00m

1 2 3 4 5

Dimensions		Trench Support and Comment			Water Stike General	
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Depth Strike	Date Time
2.50	0.70	Stable				

Remarks

Groundwater not encountered

EXPLORATION & TESTING ASSOCIATES

Trial Pit Log

Project Name: Sandwich Road, Sholden	Client: BWB Consulting Ltd	Date: 04/08/2021
Location: Kent	Contractor: Exploration & Testing	Co-ords: E635391.72 N152470.51
Project No. : C10157	Crew Name:	Equipment: 13 Tonne Excavator

Location Number	Location Type	Level	Logged By	Scale	Status
TP110	TP	21.58m AoD	ES	1:25	DRAFT

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								TOPSOIL: Crop over brown slightly gravelly clayey SAND (TOPSOIL). Gravel is angular to rounded fine and medium flint.
					0.50	21.08		
		0.60 0.60	D1 ES1					Structureless CHALK composed of cream sandy angular to subangular fine to coarse GRAVEL with low cobble content. Clasts and cobbles sized clasts are very weak and weak low and medium density, white with rare black specks and brown staining. Matrix is cream.
					1.10	20.48		
		1.20 1.20	D2 ES2					Structureless CHALK composed of white sandy angular to subangular fine to coarse GRAVEL. Clasts are very weak and weak low and medium and medium strong density, white with orange staining and rare black specks. Medium cobble content of subrounded flint cobbles with with 3mm brown, clayey sand layer. Matrix is cream.
		2.00	D3					
		3.00	D4					
					3.10	18.48		End of Trial Pit at 3.10m

1 2 3 4 5

Dimensions		Trench Support and Comment			Water Stike General	
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Depth Strike	Date Time
2.60	0.70	Stable				

Remarks

Groundwater not encountered

EXPLORATION & TESTING ASSOCIATES

Trial Pit Log

Project Name: Sandwich Road, Sholden	Client: BWB Consulting Ltd	Date: 03/08/2021
Location: Kent	Contractor: Exploration & Testing	Co-ords: E635384.52 N152372.81
Project No. : C10157	Crew Name:	Equipment: 13 Tonne Excavator

Location Number	Location Type	Level	Logged By	Scale	Status
TP111	TP	22.66m AoD	AH	1:25	DRAFT

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.10	ES1					TOPSOIL: Crop over soft dark brown slightly sandy slightly gravelly CLAY. Sand is fine. Gravel is angular and subangular fine flint.
					0.40	22.26		
		0.50	ES2					Light brown clayey gravelly fine SAND. Gravel is angular to subangular fine to medium chalk and flint.
					0.60	22.06		Structureless CHALK composed of white very sandy angular to subangular fine to coarse GRAVEL. Clasts are very weak and weak low and medium density, white with rare black specks and brown staining. Occasional subangular flint gravel. Matrix is cream.
		1.00	B1					
					1.30	21.36		Structureless CHALK composed of white clayey sandy angular to subangular fine to coarse GRAVEL. Clasts are very weak and weak low and medium density, white with rare black specks and brown staining. Matrix is cream.
		2.00	D1					
		3.00	D2		3.00	19.66		End of Trial Pit at 3.00m

1 2 3 4 5

Dimensions		Trench Support and Comment			Water Stike General	
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Depth Strike	Date Time
2.80	0.70	Stable				

Remarks

Groundwater not encountered

PIEZOMETER VARIABLE HEAD PERMEABILITY TEST

BWB CONSULTANCY | ENVIRONMENT INFRASTRUCTURE | BUILDINGS

Project Name:	Sholden - Phase 1 Area
Project Number:	BMW2194
Borehole Ref:	BH102
Date:	
Borehole Diameter (mm):	50
Resting Water Level (m bd):	15.25
Length (L) of Response Zone (m):	14.00

Base of Standpipe (m):	15.00
Geology:	CHALK
Borehole Diameter (D) (m):	5.00E-02
Scenario (F):	d2
F Value	1.59E+01
Area (A) of Borehole (m²)	1.96E-03

Time (mins)	Hi(mbd)	H(head)	H/Ho
0.00	0.650	14.600	1.000
1.00	0.690	14.560	0.997
2.00	0.730	14.520	0.995
3.00	0.870	14.380	0.985
4.00	1.000	14.250	0.976
5.00	1.130	14.120	0.967
7.50	1.270	13.980	0.958
10.00	1.350	13.900	0.952
15.00	1.400	13.850	0.949
20.00	1.420	13.830	0.947
25.00	1.410	13.840	0.948
30.00	1.400	13.850	0.949
40.00	1.380	13.870	0.950
50.00	1.350	13.900	0.9521
60.00	1.320	13.930	0.954

Basic Time Lag Method (after BS5930:1999)

K= A/(F*T)

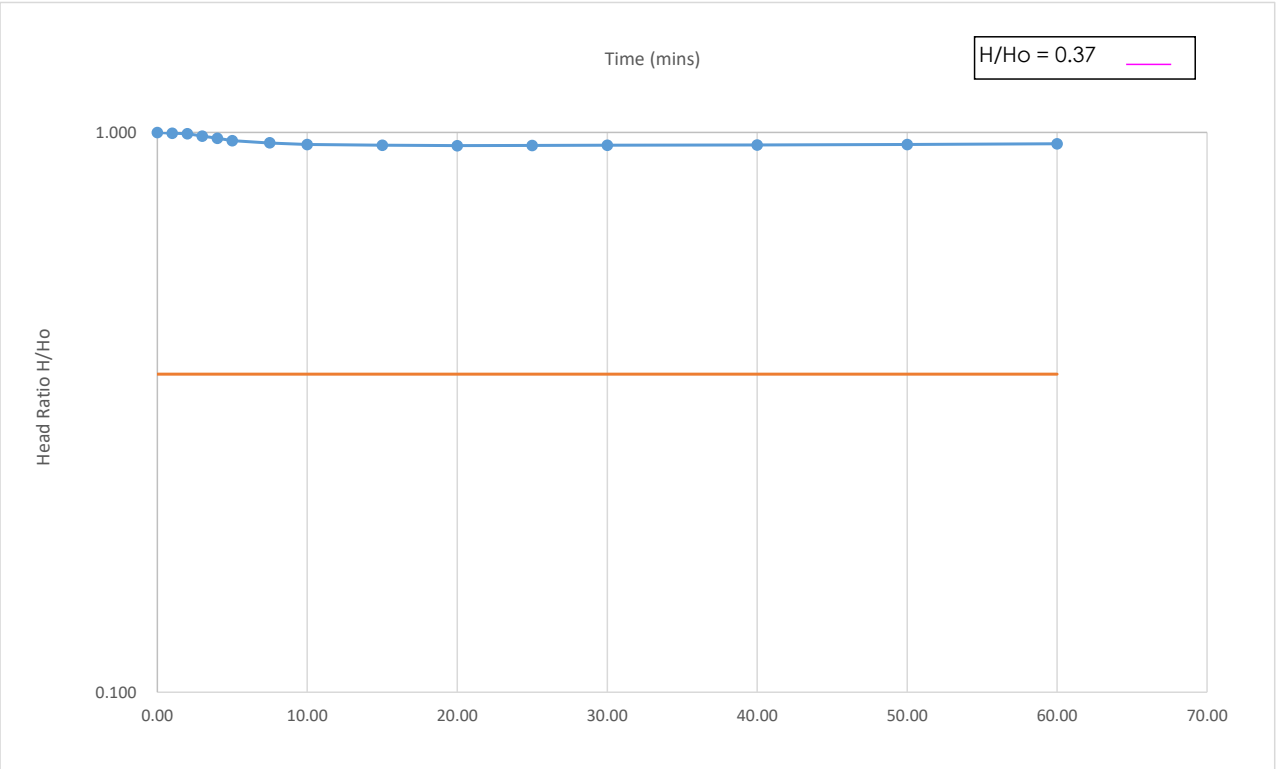
T= TIME FOR H/Ho:0.37

T=		(min)
I=	0.00	(sec)
K=	**#DIV/0!**	**(m/s)**
K=	**#DIV/0!**	**(m/d)**

General Method (after BS5930:1999)

$$k = \frac{A}{F(t_2 - t_1)} \log_e \frac{H_1}{H_2}$$

t1=	0.00	(min)
t2=	3600.00	(min)
H(head)1=	14.60	(m)
H(head)2=	13.93	(m)
K=	**2.68E-11**	**(m/s)**
K=	**0.000**	**(m/d)**



Appendix 3: Standard Penetration Test Certficiates

SPT Hammer Energy Test Report

in accordance with BSEN ISO 22476-3:2005

Southern Testing
Unit 11
Charlwood Road
East Grinstead
West Sussex
RH19 2HU

SPT Hammer Ref:	KF1
Test Date:	26/08/2020
Report Date:	26/08/2020
File Name:	KF1.spt
Test Operator:	NPB

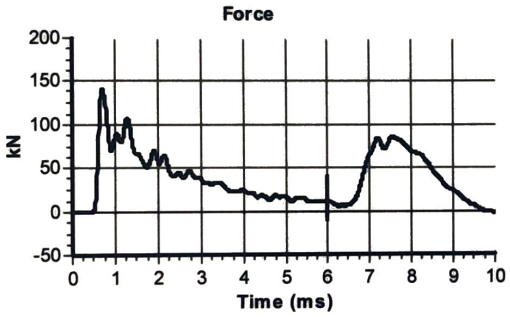
Instrumented Rod Data

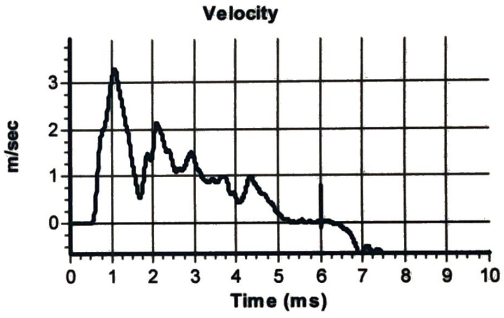
Diameter d_r (mm):	54
Wall Thickness t_r (mm):	6.3
Assumed Modulus E_a (GPa):	208
Accelerometer No.1:	6458
Accelerometer No.2:	9607

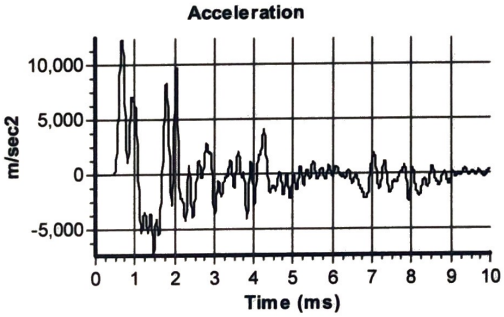
SPT Hammer Information

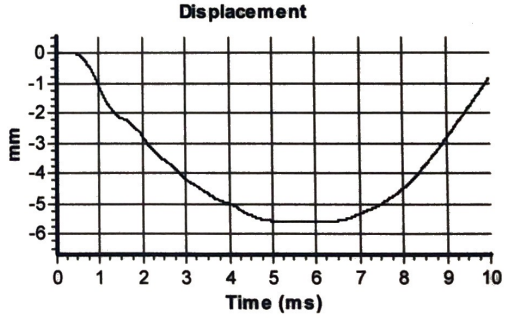
Hammer Mass m (kg):	63.5
Falling Height h (mm):	760
SPT String Length L (m):	14.5

Comments / Location
CHARLWOODS









Calculations

Area of Rod A (mm2):	944
Theoretical Energy E_{theor} (J):	473
Measured Energy E_{meas} (J):	307

Energy Ratio E_r (%): **65**

Signed: N P Burrows
Title: Field Operations Manager

The recommended calibration interval is 12 months

SPT Hammer Energy Test Report

in accordance with BSEN ISO 22476-3:2005

Southern Testing
Unit 11
Charlwood Road
East Grinstead
West Sussex
RH19 2HU

SPT Hammer Ref:	110.135
Test Date:	26/01/2021
Report Date:	27/01/2021
File Name:	110.135.spt
Test Operator:	NPB

Instrumented Rod Data

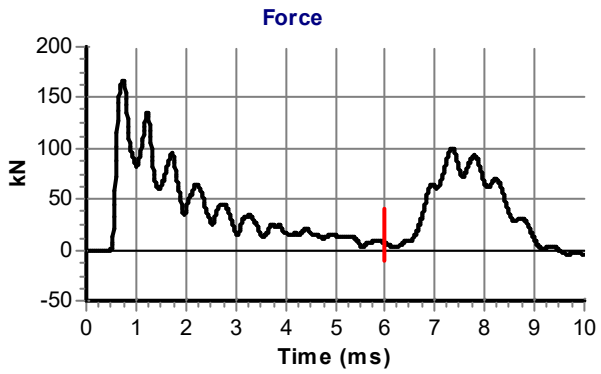
Diameter d_r (mm):	54
Wall Thickness t_r (mm):	6.3
Assumed Modulus E_a (GPa):	208
Accelerometer No.1:	6458
Accelerometer No.2:	9607

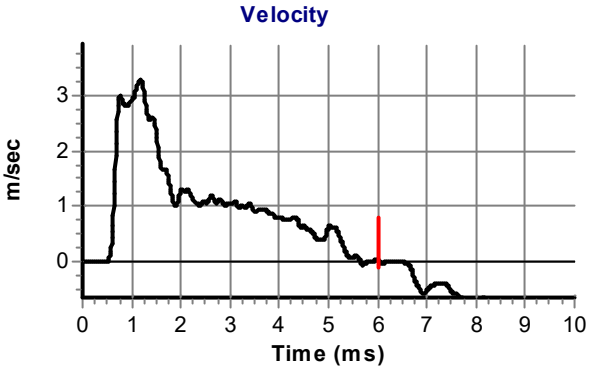
SPT Hammer Information

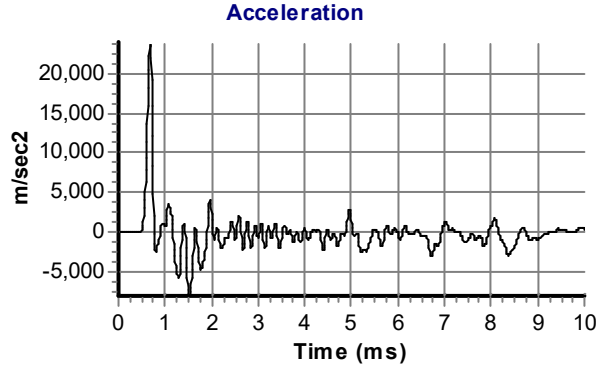
Hammer Mass m (kg):	63.5
Falling Height h (mm):	760
SPT String Length L (m):	14.5

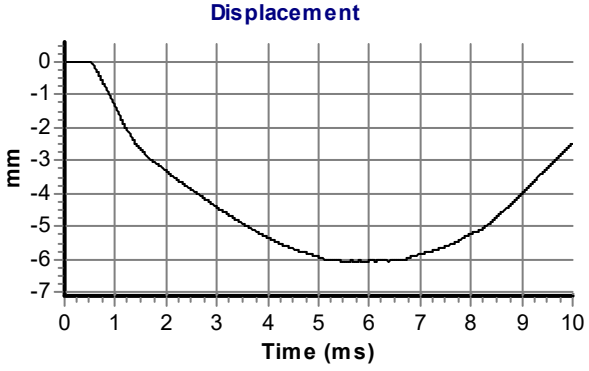
Comments / Location

CHARLWOODS









Calculations

Area of Rod A (mm2):	944
Theoretical Energy E_{theor} (J):	473
Measured Energy E_{meas} (J):	398

Energy Ratio E_r (%): 84

Signed: N P Burrows

Title: Field Operations Manager

The recommended calibration interval is 12 months

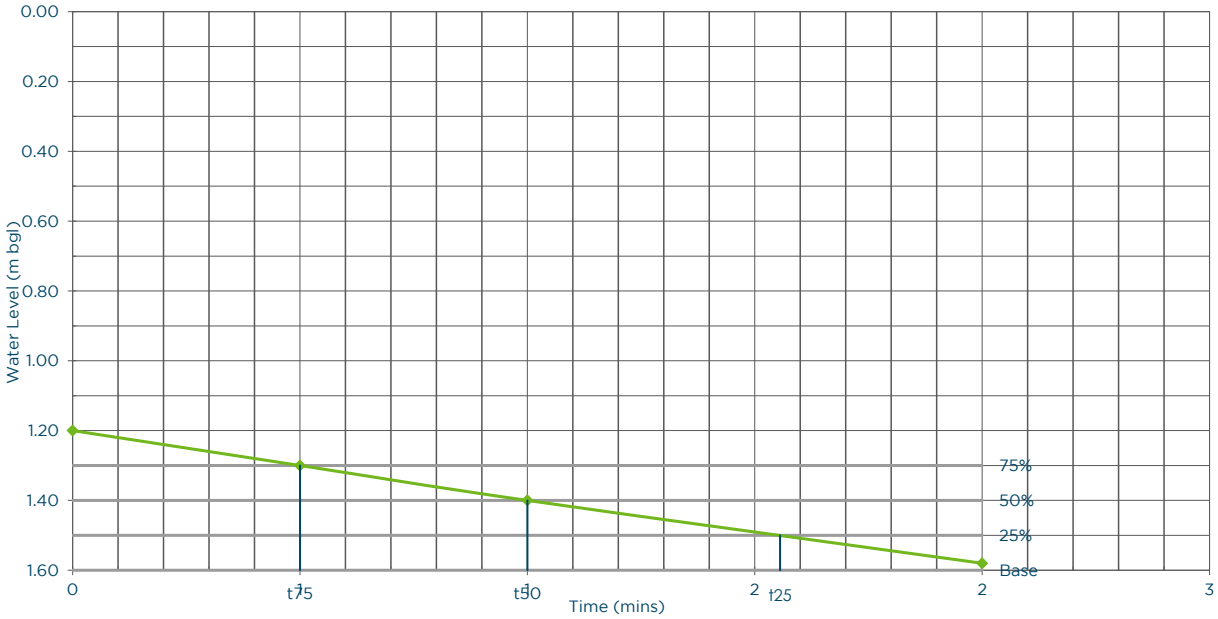
Appendix 4: Soakaway & Permeability Work Sheets

SOAKAWAY TESTING

EXPLORATION & TESTING ASSOCIATES

Contract Information	
Contract:	Sandwich Road, Sholden
Contract No:	C10157
Client:	BWB Consulting Ltd
Date:	03/08/2021

Pit Information	
Location ID:	SA101
Depth (m):	1.60
Width (m):	0.65
Length (m):	1.40
Depth to Standing Water (m)	Dry



Time (min)	Depth (m)
0.0	1.20
0.5	1.30
1.0	1.40
2.0	1.58

Test Information and Calculation	
Test Reference/Number:	1
Test Start Time:	11:31
Method of Calculation	BRE365
Pit Gravel Filled?	No
Max. Depth (m)	1.60
Effective Storage Depth (m)	1.20
Effective Drop (m)	0.40
75% Effective Depth (m)	1.30
50% Effective Depth (m)	1.40
25% Effective Depth (m)	1.50
t_{75} (min)	0.50
t_{50} (min)	1.00
t_{25} (min)	1.56
V_{p75-25}	0.18
Adjusted V_p for Gravel Fill	0.18
a_{s50}	1.73
t_{p75-25}	1.06
Results	
Soil Infiltration Rate (m/s)	1.66E-03
Soil Infiltration Rate (mm/hr)	5.98E+03

References

BRE 365 *Soakaway design*, 2016, with reference to CIRIA Report 113 *Control of groundwater for temporary works*, 1986.

Comments

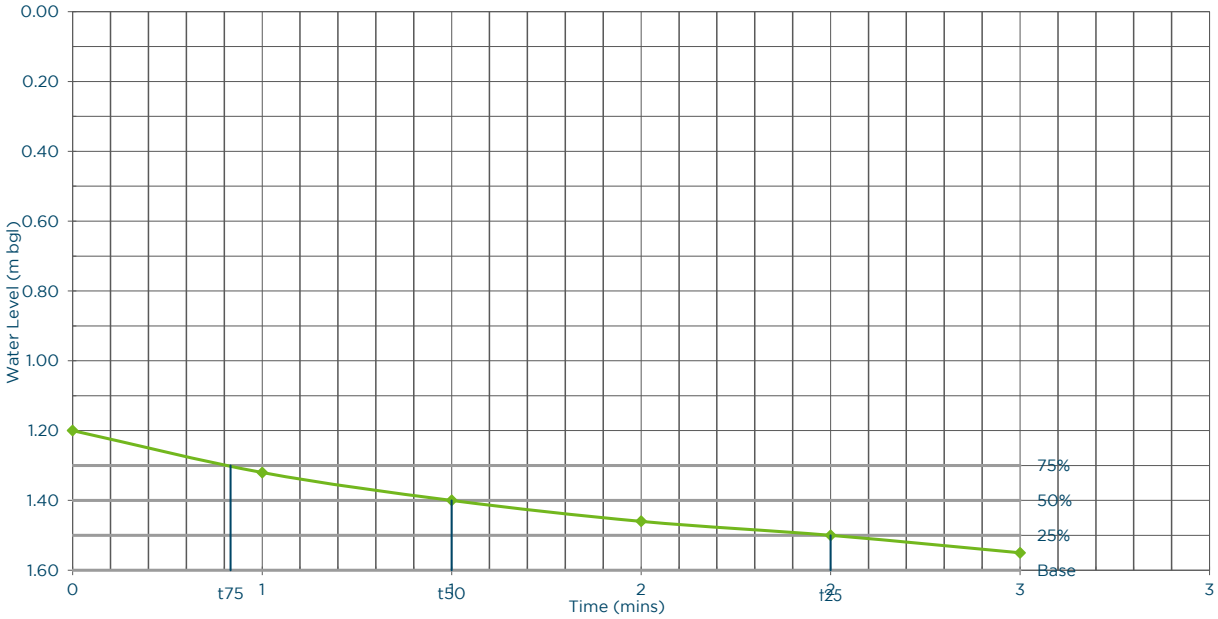
Unable to fill soakaway above 1.20m bgl.

SOAKAWAY TESTING

EXPLORATION & TESTING ASSOCIATES

Contract Information	
Contract:	Sandwich Road, Sholden
Contract No:	C10157
Client:	BWB Consulting Ltd
Date:	03/08/2021

Pit Information	
Location ID:	SA101
Depth (m):	1.60
Width (m):	0.65
Length (m):	1.40
Depth to Standing Water (m)	Dry



Time (min)	Depth (m)
0.0	1.20
0.5	1.32
1.0	1.40
1.5	1.46
2.0	1.50
2.5	1.55

Test Information and Calculation	
Test Reference/Number:	2
Test Start Time:	11:36
Method of Calculation	BRE365
Pit Gravel Filled?	No
Max. Depth (m)	1.60
Effective Storage Depth (m)	1.20
Effective Drop (m)	0.40
75% Effective Depth (m)	1.30
50% Effective Depth (m)	1.40
25% Effective Depth (m)	1.50
t_{75} (min)	0.42
t_{50} (min)	1.00
t_{25} (min)	2.00
V_{p75-25}	0.18
Adjusted V_p for Gravel Fill	0.18
a_{s50}	1.73
t_{p75-25}	1.58
Results	
Soil Infiltration Rate (m/s)	1.11E-03
Soil Infiltration Rate (mm/hr)	3.99E+03

References

BRE 365 *Soakaway design*, 2016, with reference to CIRIA Report 113 *Control of groundwater for temporary works*, 1986.

Comments

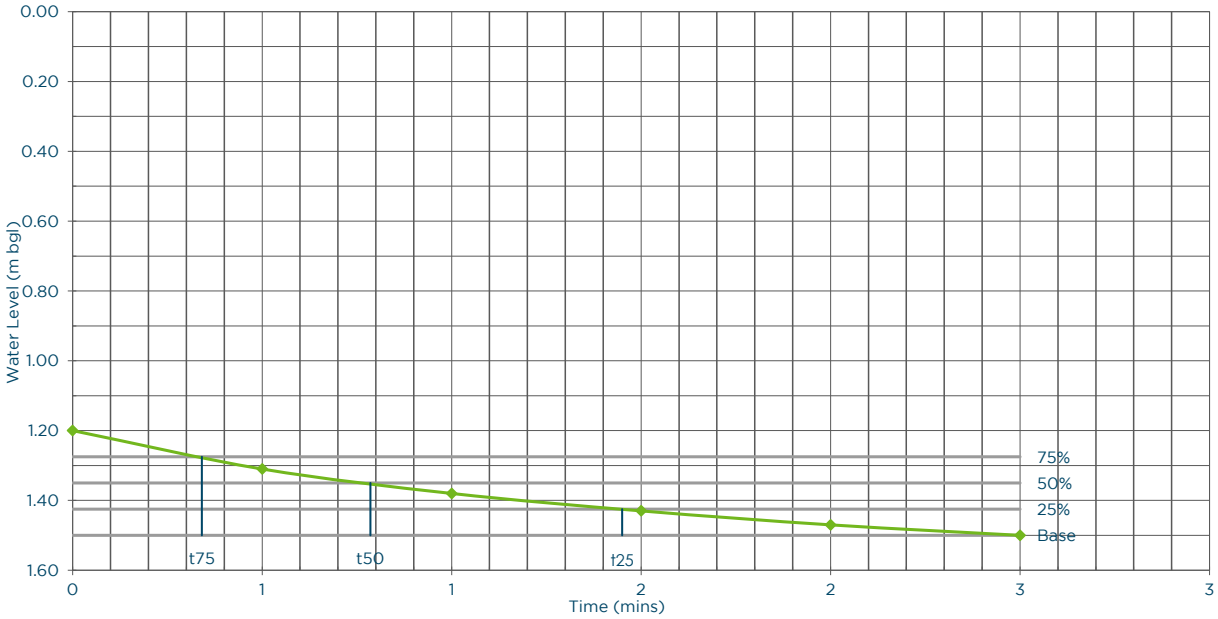
Unable to fill soakaway above 1.20m bgl.

SOAKAWAY TESTING

EXPLORATION & TESTING ASSOCIATES

Contract Information	
Contract:	Sandwich Road, Sholden
Contract No:	C10157
Client:	BWB Consulting Ltd
Date:	03/08/2021

Pit Information	
Location ID:	SA101
Depth (m):	1.50
Width (m):	0.65
Length (m):	1.40
Depth to Standing Water (m)	Dry



Time (min)	Depth (m)
0.0	1.20
0.5	1.31
1.0	1.38
1.5	1.43
2.0	1.47
2.5	1.50

Test Information and Calculation	
Test Reference/Number:	3
Test Start Time:	11:42
Method of Calculation	BRE365
Pit Gravel Filled?	No
Max. Depth (m)	1.50
Effective Storage Depth (m)	1.20
Effective Drop (m)	0.30
75% Effective Depth (m)	1.28
50% Effective Depth (m)	1.35
25% Effective Depth (m)	1.43
t_{75} (min)	0.34
t_{50} (min)	0.79
t_{25} (min)	1.45
V_{p75-25}	0.14
Adjusted V_p for Gravel Fill	0.14
a_{s50}	1.53
t_{p75-25}	1.11
Results	
Soil Infiltration Rate (m/s)	1.35E-03
Soil Infiltration Rate (mm/hr)	4.84E+03

References

BRE 365 *Soakaway design*, 2016, with reference to CIRIA Report 113 *Control of groundwater for temporary works*, 1986.

Comments

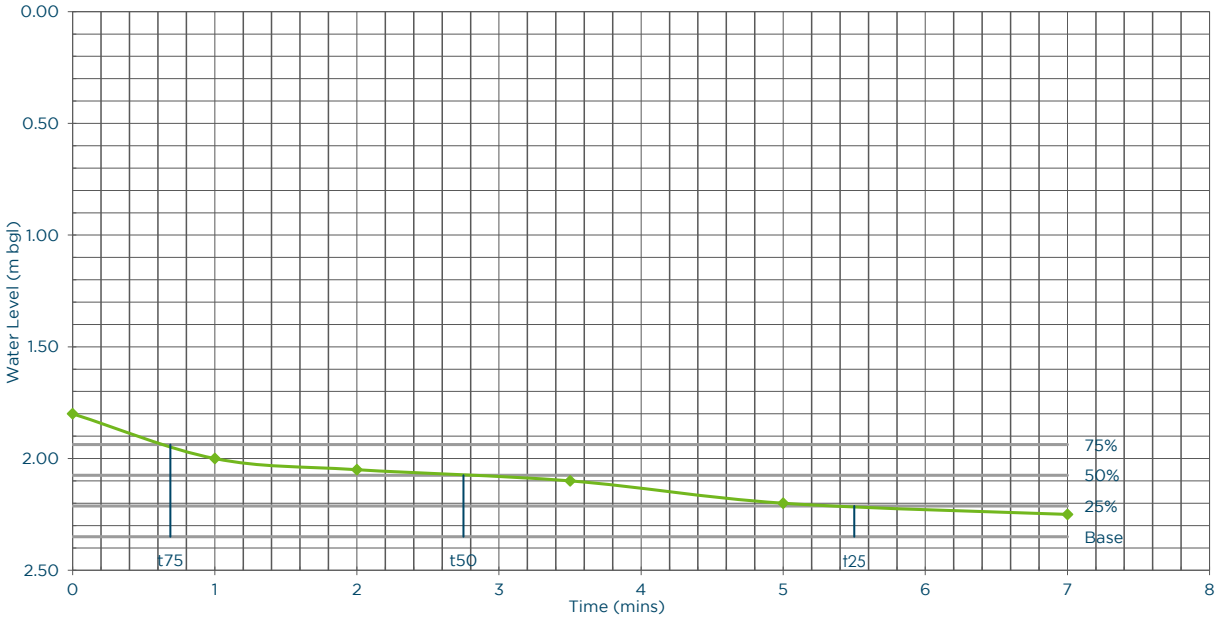
Unable to fill soakaway above 1.20m bgl.

SOAKAWAY TESTING

EXPLORATION & TESTING ASSOCIATES

Contract Information	
Contract:	Sandwich Road, Sholden
Contract No:	C10157
Client:	BWB Consulting Ltd
Date:	03/08/2021

Pit Information	
Location ID:	SA102
Depth (m):	2.35
Width (m):	0.60
Length (m):	1.30
Depth to Standing Water (m)	Dry



Time (min)	Depth (m)
0.0	1.80
1.0	2.00
2.0	2.05
3.5	2.10
5.0	2.20
7.0	2.25

Test Information and Calculation	
Test Reference/Number:	1
Test Start Time:	10:25
Method of Calculation	BRE365
Pit Gravel Filled?	No
Max. Depth (m)	2.35
Effective Storage Depth (m)	1.80
Effective Drop (m)	0.55
75% Effective Depth (m)	1.94
50% Effective Depth (m)	2.08
25% Effective Depth (m)	2.21
t_{75} (min)	0.69
t_{50} (min)	2.75
t_{25} (min)	5.50
V_{p75-25}	0.21
Adjusted V_p for Gravel Fill	0.21
a_{s50}	1.83
t_{p75-25}	4.81

Results	
Soil Infiltration Rate (m/s)	4.07E-04
Soil Infiltration Rate (mm/hr)	1.47E+03

References

BRE 365 *Soakaway design*, 2016, with reference to CIRIA Report 113 *Control of groundwater for temporary works*, 1986.

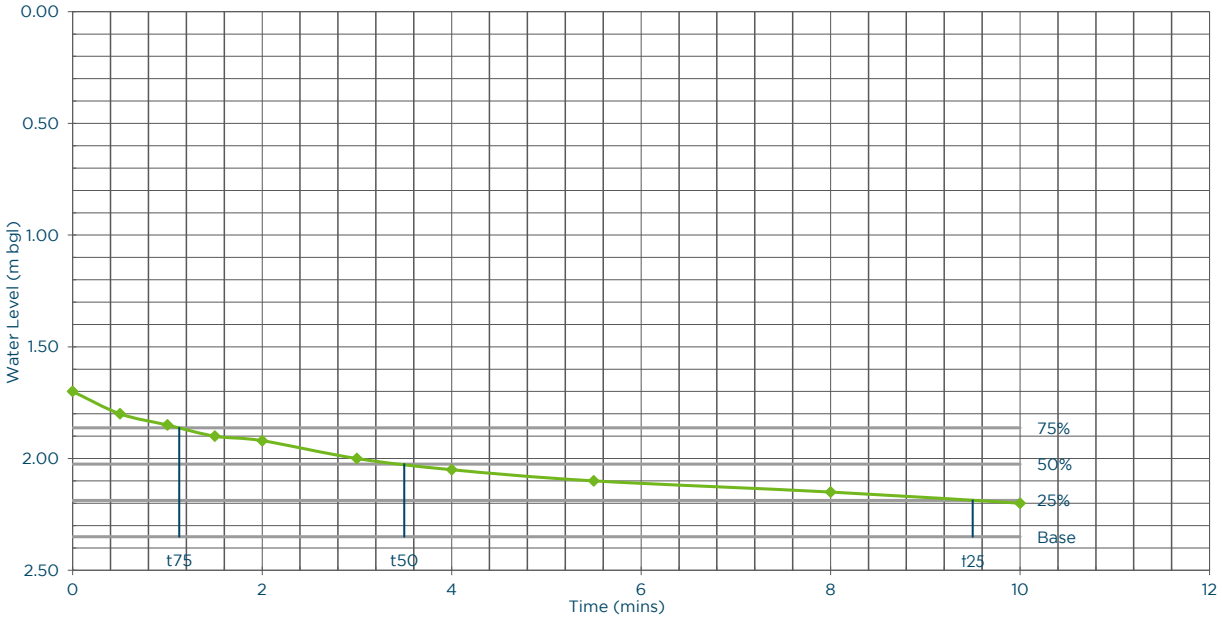
Comments

SOAKAWAY TESTING

EXPLORATION & TESTING ASSOCIATES

Contract Information	
Contract:	Sandwich Road, Sholden
Contract No:	C10157
Client:	BWB Consulting Ltd
Date:	03/08/2021

Pit Information	
Location ID:	SA102
Depth (m):	2.35
Width (m):	0.60
Length (m):	1.30
Depth to Standing Water (m)	Dry



Time (min)	Depth (m)
0.0	1.70
0.5	1.80
1.0	1.85
1.5	1.90
2.0	1.92
3.0	2.00
4.0	2.05
5.5	2.10
8.0	2.15
10.0	2.20

Test Information and Calculation	
Test Reference/Number:	2
Test Start Time:	10:37
Method of Calculation	BRE365
Pit Gravel Filled?	No
Max. Depth (m)	2.35
Effective Storage Depth (m)	1.70
Effective Drop (m)	0.65
75% Effective Depth (m)	1.86
50% Effective Depth (m)	2.03
25% Effective Depth (m)	2.19
t_{75} (min)	1.13
t_{50} (min)	3.50
t_{25} (min)	9.50
V_{p75-25}	0.25
Adjusted V_p for Gravel Fill	0.25
a_{s50}	2.02
t_{p75-25}	8.38

Results	
Soil Infiltration Rate (m/s)	2.50E-04
Soil Infiltration Rate (mm/hr)	9.01E+02

References

BRE 365 *Soakaway design*, 2016, with reference to CIRIA Report 113 *Control of groundwater for temporary works*, 1986.

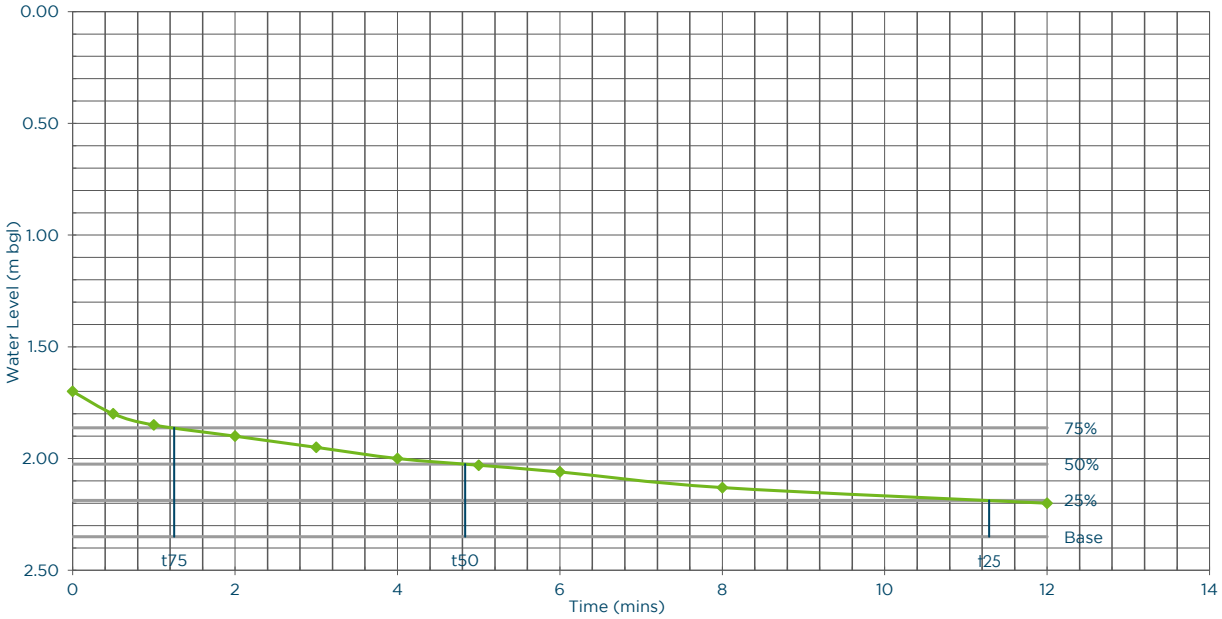
Comments

SOAKAWAY TESTING

EXPLORATION & TESTING ASSOCIATES

Contract Information	
Contract:	Sandwich Road, Sholden
Contract No:	C10157
Client:	BWB Consulting Ltd
Date:	03/08/2021

Pit Information	
Location ID:	SA102
Depth (m):	2.35
Width (m):	0.60
Length (m):	1.30
Depth to Standing Water (m)	Dry



Time (min)	Depth (m)
0.0	1.70
0.5	1.80
1.0	1.85
2.0	1.90
3.0	1.95
4.0	2.00
5.0	2.03
6.0	2.06
8.0	2.13
12.0	2.20

Test Information and Calculation	
Test Reference/Number:	3
Test Start Time:	10:49
Method of Calculation	BRE365
Pit Gravel Filled?	No
Max. Depth (m)	2.35
Effective Storage Depth (m)	1.70
Effective Drop (m)	0.65
75% Effective Depth (m)	1.86
50% Effective Depth (m)	2.03
25% Effective Depth (m)	2.19
t_{75} (min)	1.25
t_{50} (min)	4.83
t_{25} (min)	11.29
V_{p75-25}	0.25
Adjusted V_p for Gravel Fill	0.25
a_{s50}	2.02
t_{p75-25}	10.04

Results	
Soil Infiltration Rate (m/s)	2.09E-04
Soil Infiltration Rate (mm/hr)	7.52E+02

References

BRE 365 *Soakaway design*, 2016, with reference to CIRIA Report 113 *Control of groundwater for temporary works*, 1986.

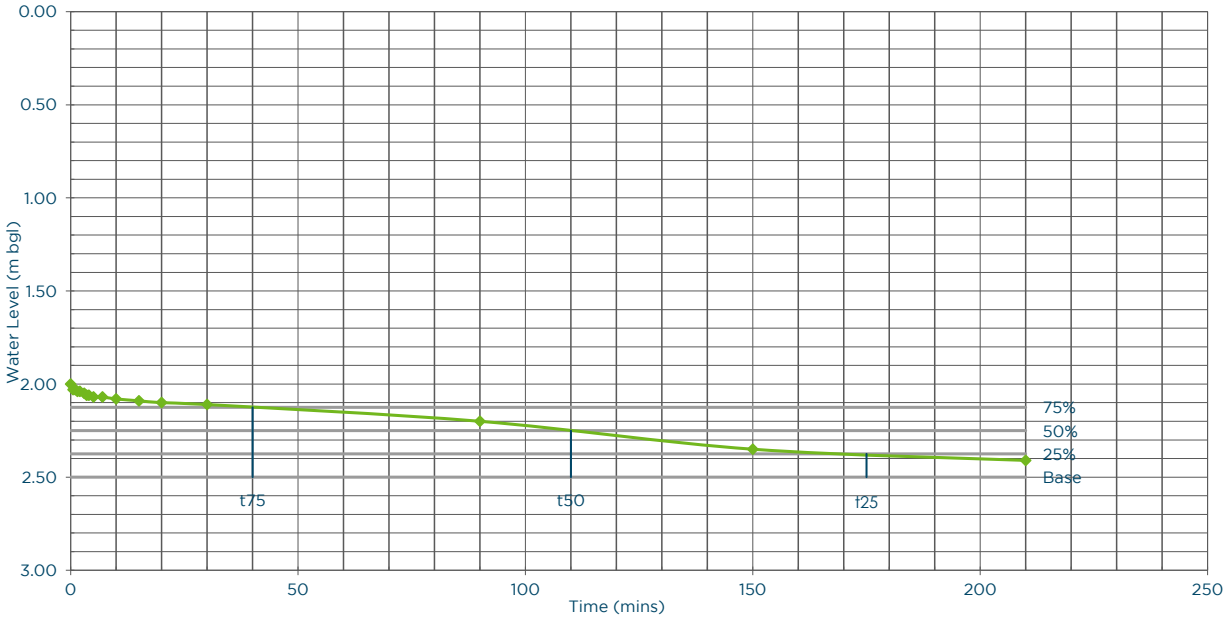
Comments

SOAKAWAY TESTING

EXPLORATION & TESTING ASSOCIATES

Contract Information	
Contract:	Sandwich Road, Sholden
Contract No:	C10157
Client:	BWB Consulting Ltd
Date:	03/08/2021

Pit Information	
Location ID:	SA103
Depth (m):	2.50
Width (m):	0.65
Length (m):	1.60
Depth to Standing Water (m)	Dry



Time (min)	Depth (m)
0.0	2.00
0.5	2.03
1.0	2.03
1.5	2.04
2.0	2.04
3.0	2.05
3.5	2.06
4.0	2.06
5.0	2.07
7.0	2.07
10.0	2.08
15.0	2.09
20.0	2.10
30.0	2.11
90.0	2.20
150.0	2.35
210.0	2.41

Test Information and Calculation	
Test Reference/Number:	1
Test Start Time:	9:35
Method of Calculation	BRE365
Pit Gravel Filled?	No
Max. Depth (m)	2.50
Effective Storage Depth (m)	2.00
Effective Drop (m)	0.50
75% Effective Depth (m)	2.13
50% Effective Depth (m)	2.25
25% Effective Depth (m)	2.38
t_{75} (min)	40.00
t_{50} (min)	110.00
t_{25} (min)	175.00
V_{p75-25}	0.26
Adjusted V_p for Gravel Fill	0.26
a_{s50}	2.17
t_{p75-25}	135.00
Results	
Soil Infiltration Rate (m/s)	1.48E-05
Soil Infiltration Rate (mm/hr)	5.34E+01

References

BRE 365 *Soakaway design*, 2016, with reference to CIRIA Report 113 *Control of groundwater for temporary works*, 1986.

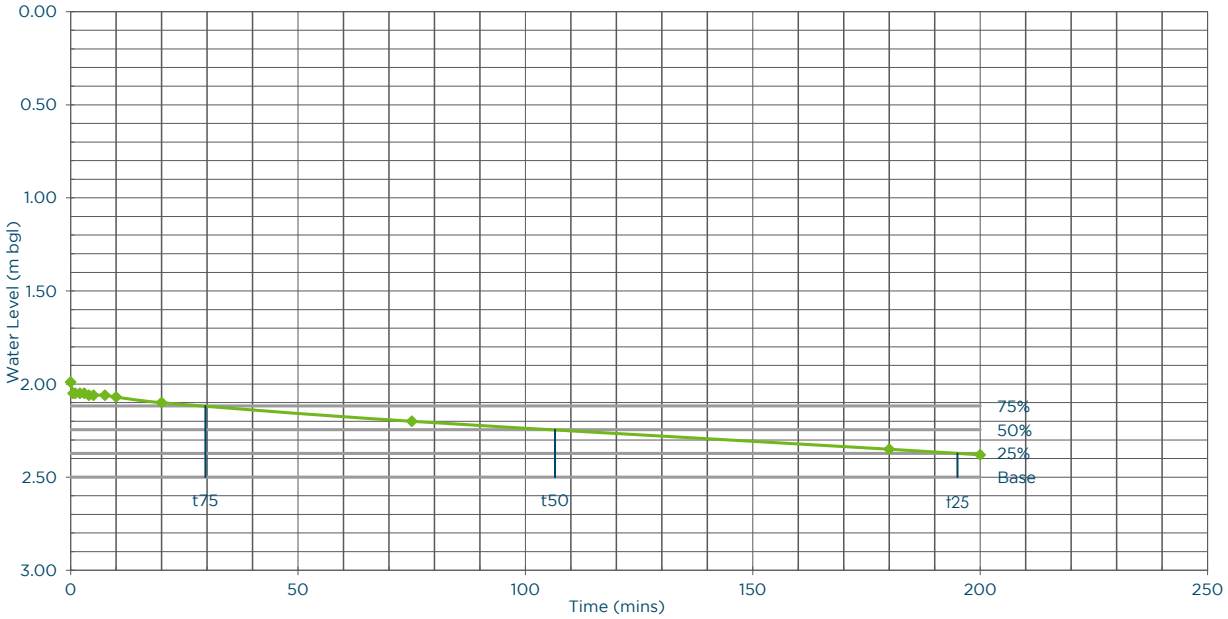
Comments

SOAKAWAY TESTING

EXPLORATION & TESTING ASSOCIATES

Contract Information	
Contract:	Sandwich Road, Sholden
Contract No:	C10157
Client:	BWB Consulting Ltd
Date:	03/08/2021

Pit Information	
Location ID:	SA103
Depth (m):	2.50
Width (m):	0.65
Length (m):	1.60
Depth to Standing Water (m)	Dry



Time (min)	Depth (m)
0.0	1.99
0.5	2.05
1.0	2.05
2.0	2.05
3.0	2.05
4.0	2.06
5.0	2.06
7.5	2.06
10.0	2.07
20.0	2.10
75.0	2.20
180.0	2.35
200.0	2.38

Test Information and Calculation	
Test Reference/Number:	2
Test Start Time:	13:06
Method of Calculation	BRE365
Pit Gravel Filled?	No
Max. Depth (m)	2.50
Effective Storage Depth (m)	1.99
Effective Drop (m)	0.51
75% Effective Depth (m)	2.12
50% Effective Depth (m)	2.25
25% Effective Depth (m)	2.37
t_{75} (min)	29.63
t_{50} (min)	106.50
t_{25} (min)	195.00
V_{p75-25}	0.27
Adjusted V_p for Gravel Fill	0.27
a_{s50}	2.19
t_{p75-25}	165.38
Results	
Soil Infiltration Rate (m/s)	1.22E-05
Soil Infiltration Rate (mm/hr)	4.40E+01

References

BRE 365 *Soakaway design*, 2016, with reference to CIRIA Report 113 *Control of groundwater for temporary works*, 1986.

Comments

Appendix 5: Preliminary Ground Gas & Groundwater Monitoring Works

GAS AND GROUNDWATER MONITORING RESULTS

Contract Name :	Sholden
Contract No :	C10157
Date :	21/08/2022

Background Readings:	O_2% v/v :	20.4	CO_2% v/v :	0.1	CH_4% v/v :	0.0	Weather Conditions :	Sunny with light wind	Equipment Used:	Technician:
	H_2S ppm :	0	CO ppm :	0	Pressure Trend :	Rising	Ground Conditions :	Dry	GFM436	ES

Location	Time	Atmospheric Pressure (mb)	Differential Pressure (mb)	O_2(% v/v)		CO_2 (% v/v)		CH_4 (% v/v)		H_2S (ppm)	CO (ppm)	Gas Flow Rate (l/hr)		VOC (ppm)	Depth to LNAPL	Water Depth	Depth to DNAPL	Total Depth
				Low	Steady	High	Steady	High	Steady	Peak	Peak	Peak	Steady	Peak	(mbgl)	(mbgl)	(mbgl)	(mbgl)
BH101	-	1011	-	18.1	18.2	1.4	1.2	0.0	0.0	0	0	0.0	0.0	0.0	-	Dry	-	15.30
BH102	-	1011	-	18.7	19.4	4.2	1.2	0.0	0.0	0	0	0.0	0.0	0.0	-	Dry	-	15.00
DS101	-	1011	-	18.7	19.2	1.5	1.3	0.0	0.0	0	0	0.0	0.0	0.0	-	Dry	-	1.00
DS102	-	1011	-	19.4	19.4	1.2	1.0	0.0	0.0	0	0	0.0	0.0	0.0	-	Dry	-	5.13
DS103	-	1011	-	18.8	19.3	1.4	1.1	0.0	0.0	0	0	0.0	0.0	0.0	-	Dry	-	5.12
DS104	-	1011	-	18.2	19.5	1.5	0.8	0.0	0.0	0	0	0.0	0.0	0.0	-	Dry	-	3.50
DS105	-	1011	-	18.2	18.6	1.6	1.6	0.0	0.0	0	0	0.0	0.0	0.0	-	Dry	-	5.10
DS106	-	1011	-	19.8	20.1	0.7	0.7	0.0	0.0	0	0	0	0	0.0	-	Dry	-	5.00
DS107	-	1011	-	18.7	18.7	1.6	1.6	0.0	0.0	0	0	0.0	0.0	0.0	-	Dry	-	5.00
DS108	-	1011	-	18.2	20.1	1.0	0.9	0.0	0.0	0	0	0	0	0.0	-	Dry	-	5.00

Remarks:

-

Appendix 6: Soil Analysis Results

Andrew Howells
Exploration & Testing Associates Limited
3 Siskin Drive
Middlemarch Business Park
Coventry
CV3 4FJ

e: results@explorationtesting.uk

i2 Analytical Ltd.
7 Woodshots Meadow,
Croxley Green
Business Park,
Watford,
Herts,
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Analytical Report Number : 21-92226

Project / Site name:	Sholden	**Samples received on:**	09/08/2021
Your job number:	C10157	**Samples instructed on/ Analysis started on:**	11/08/2021
Your order number:	PO-1432.	**Analysis completed by:**	18/08/2021
Report Issue Number:	1	**Report issued on:**	18/08/2021
Samples Analysed:	5 leachate samples - 21 soil samples		

Signed: Karolina Marek

Karolina Marek
PL Head of Reporting Team
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41 -711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

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Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

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Lab Sample Number				1968575	1968576	1968577	1968578	1968579
Sample Reference				TP101	TP103	TP105	TP106	TP107
Sample Number				1	1	1	1	2
Depth (m)				0.50	0.20	0.20	0.10	0.70
Date Sampled				02/08/2021	02/08/2021	02/08/2021	03/08/2021	02/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	13	13	15	15	13
Total mass of sample received	kg	0.001	NONE	1.9	1.9	2.0	2.0	1.9
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	-	Not-detected	Not-detected	-	-

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	8.3	8.5	8.4	8.3	8.5
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Complex Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.0060	0.013	0.011	0.020	0.0066
Total Sulphur	mg/kg	50	MCERTS	270	400	370	400	210
Organic Matter (automated)	%	0.1	MCERTS	1.0	2.7	2.9	2.9	1.0

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80

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Lab Sample Number				1968575	1968576	1968577	1968578	1968579
Sample Reference				TP101	TP103	TP105	TP106	TP107
Sample Number				1	1	1	1	2
Depth (m)				0.50	0.20	0.20	0.10	0.70
Date Sampled				02/08/2021	02/08/2021	02/08/2021	03/08/2021	02/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	6.4	9.5	8.3	9.2	5.7
Barium (aqua regia extractable)	mg/kg	1	MCERTS	40	63	59	64	41
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.52	0.67	0.67	0.69	0.48
Boron (water soluble)	mg/kg	0.2	MCERTS	1.2	2.9	2.2	1.8	1.2
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.4	0.6	< 0.2	0.4	0.4
Chromium (hexavalent)	mg/kg	4	MCERTS	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	17	20	20	20	15
Copper (aqua regia extractable)	mg/kg	1	MCERTS	6.9	16	15	16	5.2
Lead (aqua regia extractable)	mg/kg	1	MCERTS	8.7	43	38	52	7.7
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	13	15	15	15	11
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	25	31	32	31	22
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	38	60	57	61	35
Petroleum Hydrocarbons								
TPH C10 - C40	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPH2 (C6 - C10)	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Pesticides								
Alachlor	µg/kg	10	NONE	-	< 10	-	< 10	-
Aldrin	µg/kg	10	NONE	-	< 10	-	< 10	-
Azinphos-ethyl	µg/kg	10	NONE	-	< 10	-	< 10	-
Azinphos-methyl	µg/kg	10	NONE	-	< 10	-	< 10	-
BHC-alpha (benzene hexachloride)	µg/kg	10	NONE	-	< 10	-	< 10	-
BHC-beta	µg/kg	10	NONE	-	< 10	-	< 10	-
BHC-delta	µg/kg	10	NONE	-	< 10	-	< 10	-
BHC-gamma (Lindane, gamma HCH)	µg/kg	10	NONE	-	< 10	-	< 10	-
Bifenthrin	µg/kg	10	NONE	-	< 10	-	< 10	-
Carbophenothion	µg/kg	10	NONE	-	< 10	-	< 10	-
Chlordane-cis	µg/kg	10	NONE	-	< 10	-	< 10	-
Chlordane-trans	µg/kg	10	NONE	-	< 10	-	< 10	-
Chlorfenvinphos	µg/kg	10	NONE	-	< 10	-	< 10	-
Chlorothalonil	µg/kg	20	NONE	-	< 20	-	< 20	-
Chlorpyrifos	µg/kg	10	NONE	-	< 10	-	< 10	-
Cyfluthrin (Sum)	µg/kg	10	NONE	-	< 10	-	< 10	-
Cyhalothrin (Lambda)	µg/kg	10	NONE	-	< 10	-	< 10	-
Cypermethrin (Sum)	µg/kg	10	NONE	-	< 10	-	< 10	-
DDD-o,p'	µg/kg	10	NONE	-	< 10	-	< 10	-
DDD-p,p'	µg/kg	10	NONE	-	< 10	-	< 10	-
DDE-o,p'	µg/kg	10	NONE	-	< 10	-	< 10	-
DDE-p,p'	µg/kg	10	NONE	-	20	-	24	-
DDT-o,p'	µg/kg	10	NONE	-	< 10	-	< 10	-
DDT-p,p'	µg/kg	10	NONE	-	< 10	-	< 10	-
Deltamethrin	µg/kg	10	NONE	-	< 10	-	< 10	-
Demeton-O	µg/kg	10	NONE	-	< 10	-	< 10	-
Demeton-S	µg/kg	10	NONE	-	< 10	-	< 10	-
Diazinon	µg/kg	10	NONE	-	< 10	-	< 10	-
Dichlorobenzonitrile, 2,6-	µg/kg	10	NONE	-	< 10	-	< 10	-
Dichlorvos	µg/kg	10	NONE	-	< 10	-	< 10	-
Dieldrin	µg/kg	10	NONE	-	< 10	-	< 10	-

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Lab Sample Number				1968575	1968576	1968577	1968578	1968579
Sample Reference				TP101	TP103	TP105	TP106	TP107
Sample Number				1	1	1	1	2
Depth (m)				0.50	0.20	0.20	0.10	0.70
Date Sampled				02/08/2021	02/08/2021	02/08/2021	03/08/2021	02/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Dimethoate	µg/kg	10	NONE	-	< 10	-	< 10	-
Dimethylvinphos	µg/kg	10	NONE	-	< 10	-	< 10	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-	< 10	-	< 10	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	-	< 10	-	< 10	-
Endosulfan sulfate	µg/kg	10	NONE	-	< 10	-	< 10	-
Endrin	µg/kg	20	NONE	-	< 20	-	< 20	-
Endrin aldehyde	µg/kg	10	NONE	-	< 10	-	< 10	-
Endrin ketone	µg/kg	10	NONE	-	< 10	-	< 10	-
Ethion	µg/kg	10	NONE	-	< 10	-	< 10	-
Etrimfos	µg/kg	10	NONE	-	< 10	-	< 10	-
Fenitrothion	µg/kg	10	NONE	-	< 10	-	< 10	-
Fenthion	µg/kg	10	NONE	-	< 10	-	< 10	-
Fenvalerate (Sum)	µg/kg	10	NONE	-	< 10	-	< 10	-
Heptachlor	µg/kg	10	NONE	-	< 10	-	< 10	-
Heptachlor exo-epoxide	µg/kg	10	NONE	-	< 10	-	< 10	-
Hexachlorobenzene	µg/kg	10	NONE	-	< 10	-	< 10	-
Hexachlorobutadiene	µg/kg	10	NONE	-	< 10	-	< 10	-
Isodrin	µg/kg	20	NONE	-	< 20	-	< 20	-
Malathion	µg/kg	10	NONE	-	< 10	-	< 10	-
Methacrifos	µg/kg	10	NONE	-	< 10	-	< 10	-
Methoxychlor, p,p'-	µg/kg	20	NONE	-	< 20	-	< 20	-
Mevinphos, E+Z	µg/kg	10	NONE	-	< 10	-	< 10	-
Omethoate	µg/kg	20	NONE	-	< 20	-	< 20	-
Parathion	µg/kg	10	NONE	-	< 10	-	< 10	-
Parathion-methyl	µg/kg	10	NONE	-	< 10	-	< 10	-
Pendimethalin	µg/kg	10	NONE	-	< 10	-	< 10	-
Pentachlorobenzene	µg/kg	10	NONE	-	< 10	-	< 10	-
Permethrin, Cis-	µg/kg	10	NONE	-	< 10	-	< 10	-
Permethrin, Trans-	µg/kg	10	NONE	-	< 10	-	< 10	-
Phorate	µg/kg	10	NONE	-	< 10	-	< 10	-
Phosalone	µg/kg	10	NONE	-	< 10	-	< 10	-
Phosphamidon (Sum)	µg/kg	10	NONE	-	< 10	-	< 10	-
Pirimiphos-ethyl	µg/kg	10	NONE	-	< 10	-	< 10	-
Pirimiphos-methyl	µg/kg	10	NONE	-	< 10	-	< 10	-
Propetamphos	µg/kg	10	NONE	-	< 10	-	< 10	-
Propyzamide	µg/kg	10	NONE	-	< 10	-	< 10	-
Tecnazene	µg/kg	10	NONE	-	< 10	-	< 10	-
Tetrachlorobenzene, 1,2,4,5-	µg/kg	10	NONE	-	< 10	-	< 10	-
Trichlorobenzene, 1,2,3-	µg/kg	10	NONE	-	< 10	-	< 10	-
Trichlorobenzene, 1,3,5-	µg/kg	10	NONE	-	< 10	-	< 10	-
Trifluralin	µg/kg	10	NONE	-	< 10	-	< 10	-

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Lab Sample Number				1968575	1968576	1968577	1968578	1968579
Sample Reference				TP101	TP103	TP105	TP106	TP107
Sample Number				1	1	1	1	2
Depth (m)				0.50	0.20	0.20	0.10	0.70
Date Sampled				02/08/2021	02/08/2021	02/08/2021	03/08/2021	02/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Herbicides								
Aldicarb	µg/kg	10	NONE	-	< 10	-	< 10	-
Aldicarb Sulfone	µg/kg	10	NONE	-	< 10	-	< 10	-
Aldicarb Sulfoxide	µg/kg	50	NONE	-	< 50	-	< 50	-
Atrazine	µg/kg	10	NONE	-	< 10	-	< 10	-
Carbaryl	µg/kg	10	NONE	-	< 10	-	< 10	-
Carbofuran	µg/kg	10	NONE	-	< 10	-	< 10	-
Carbofuran, 3-OH	µg/kg	20	NONE	-	< 20	-	< 20	-
Chlortoluron	µg/kg	10	NONE	-	< 10	-	< 10	-
Cyanazine	µg/kg	10	NONE	-	< 10	-	< 10	-
Diflubenzuron	µg/kg	50	NONE	-	< 50	-	< 50	-
Diuron	µg/kg	10	NONE	-	< 10	-	< 10	-
Fluometuron	µg/kg	10	NONE	-	< 10	-	< 10	-
Isoproturon	µg/kg	10	NONE	-	< 10	-	< 10	-
Linuron	µg/kg	20	NONE	-	< 20	-	< 20	-
Methiocarb	µg/kg	10	NONE	-	< 10	-	< 10	-
Methomyl	µg/kg	10	NONE	-	< 10	-	< 10	-
Oxamyl	µg/kg	10	NONE	-	< 10	-	< 10	-
Prometryn	µg/kg	10	NONE	-	< 10	-	< 10	-
Propazine	µg/kg	10	NONE	-	< 10	-	< 10	-
Propoxur	µg/kg	10	NONE	-	< 10	-	< 10	-
Siduron	µg/kg	10	NONE	-	< 10	-	< 10	-
Simazine	µg/kg	10	NONE	-	< 10	-	< 10	-
Tebuthiuron	µg/kg	10	NONE	-	< 10	-	< 10	-
Terbuthylazine	µg/kg	10	NONE	-	< 10	-	< 10	-
Terbutryn	µg/kg	10	NONE	-	< 10	-	< 10	-
Thiadiazuron	µg/kg	10	NONE	-	< 10	-	< 10	-
Trietazine	µg/kg	10	NONE	-	< 10	-	< 10	-

U/S = Unsuitable Sample I/S = Insufficient Sample

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Lab Sample Number				1968580	1968581	1968582	1968583	1968584
Sample Reference				TP108	TP108	TP108	TP109	TP110
Sample Number				1	2	3	1	2
Depth (m)				0.20	0.50	1.10	0.70	1.20
Date Sampled				02/08/2021	02/08/2021	02/08/2021	05/08/2021	05/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Stone Content	%	0.1	NONE	-	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	-	8.2	13	12	20
Total mass of sample received	kg	0.001	NONE	-	1.8	2.0	2.0	2.0
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	-	-	-	-
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	-	8.5	8.7	8.5	8.9
Total Cyanide	mg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	< 1.0
Complex Cyanide	mg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	< 1.0
Free Cyanide	mg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	< 1.0
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	-	0.0047	0.0043	0.0066	0.0083
Total Sulphur	mg/kg	50	MCERTS	-	200	170	260	190
Organic Matter (automated)	%	0.1	MCERTS	-	1.1	0.4	1.5	0.2
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	< 0.05
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	-	< 0.80	< 0.80	< 0.80	< 0.80

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Lab Sample Number				1968580	1968581	1968582	1968583	1968584
Sample Reference				TP108	TP108	TP108	TP109	TP110
Sample Number				1	2	3	1	2
Depth (m)				0.20	0.50	1.10	0.70	1.20
Date Sampled				02/08/2021	02/08/2021	02/08/2021	05/08/2021	05/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	-	7.1	4.7	6.7	1.2
Barium (aqua regia extractable)	mg/kg	1	MCERTS	-	57	26	57	9.1
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	-	0.70	0.36	0.60	0.07
Boron (water soluble)	mg/kg	0.2	MCERTS	-	1.3	0.5	2.3	< 0.2
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	-	0.4	0.3	< 0.2	0.3
Chromium (hexavalent)	mg/kg	4	MCERTS	-	< 4.0	< 4.0	< 4.0	< 4.0
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	-	21	11	18	1.4
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-	7.9	6.8	9.4	1.1
Lead (aqua regia extractable)	mg/kg	1	MCERTS	-	10	5.3	13	2.0
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	-	15	9.1	14	1.4
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	-	30	17	27	3.3
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	-	48	29	49	18
Petroleum Hydrocarbons								
TPH C10 - C40	mg/kg	10	MCERTS	-	< 10	< 10	< 10	< 10
TPH2 (C6 - C10)	mg/kg	0.1	MCERTS	-	< 0.1	< 0.1	< 0.1	< 0.1
Pesticides								
Alachlor	µg/kg	10	NONE	-	-	-	-	-
Aldrin	µg/kg	10	NONE	-	-	-	-	-
Azinphos-ethyl	µg/kg	10	NONE	-	-	-	-	-
Azinphos-methyl	µg/kg	10	NONE	-	-	-	-	-
BHC-alpha (benzene hexachloride)	µg/kg	10	NONE	-	-	-	-	-
BHC-beta	µg/kg	10	NONE	-	-	-	-	-
BHC-delta	µg/kg	10	NONE	-	-	-	-	-
BHC-gamma (Lindane, gamma HCH)	µg/kg	10	NONE	-	-	-	-	-
Bifenthrin	µg/kg	10	NONE	-	-	-	-	-
Carbophenothion	µg/kg	10	NONE	-	-	-	-	-
Chlordane-cis	µg/kg	10	NONE	-	-	-	-	-
Chlordane-trans	µg/kg	10	NONE	-	-	-	-	-
Chlorfenvinphos	µg/kg	10	NONE	-	-	-	-	-
Chlorothalonil	µg/kg	20	NONE	-	-	-	-	-
Chlorpyrifos	µg/kg	10	NONE	-	-	-	-	-
Cyfluthrin (Sum)	µg/kg	10	NONE	-	-	-	-	-
Cyhalothrin (Lambda)	µg/kg	10	NONE	-	-	-	-	-
Cypermethrin (Sum)	µg/kg	10	NONE	-	-	-	-	-
DDD-o,p'	µg/kg	10	NONE	-	-	-	-	-
DDD-p,p'	µg/kg	10	NONE	-	-	-	-	-
DDE-o,p'	µg/kg	10	NONE	-	-	-	-	-
DDE-p,p'	µg/kg	10	NONE	-	-	-	-	-
DDT-o,p'	µg/kg	10	NONE	-	-	-	-	-
DDT-p,p'	µg/kg	10	NONE	-	-	-	-	-
Deltamethrin	µg/kg	10	NONE	-	-	-	-	-
Demeton-O	µg/kg	10	NONE	-	-	-	-	-
Demeton-S	µg/kg	10	NONE	-	-	-	-	-
Diazinon	µg/kg	10	NONE	-	-	-	-	-
Dichlorobenzonitrile, 2,6-	µg/kg	10	NONE	-	-	-	-	-
Dichlorvos	µg/kg	10	NONE	-	-	-	-	-
Dieldrin	µg/kg	10	NONE	-	-	-	-	-

Analytical Report Number: 21-92226
Project / Site name: Sholden

Lab Sample Number				1968580	1968581	1968582	1968583	1968584
Sample Reference				TP108	TP108	TP108	TP109	TP110
Sample Number				1	2	3	1	2
Depth (m)				0.20	0.50	1.10	0.70	1.20
Date Sampled				02/08/2021	02/08/2021	02/08/2021	05/08/2021	05/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Dimethoate	µg/kg	10	NONE	-	-	-	-	-
Dimethylvinphos	µg/kg	10	NONE	-	-	-	-	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-	-	-	-	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	-	-	-	-	-
Endosulfan sulfate	µg/kg	10	NONE	-	-	-	-	-
Endrin	µg/kg	20	NONE	-	-	-	-	-
Endrin aldehyde	µg/kg	10	NONE	-	-	-	-	-
Endrin ketone	µg/kg	10	NONE	-	-	-	-	-
Ethion	µg/kg	10	NONE	-	-	-	-	-
Etrimfos	µg/kg	10	NONE	-	-	-	-	-
Fenitrothion	µg/kg	10	NONE	-	-	-	-	-
Fenthion	µg/kg	10	NONE	-	-	-	-	-
Fenvalerate (Sum)	µg/kg	10	NONE	-	-	-	-	-
Heptachlor	µg/kg	10	NONE	-	-	-	-	-
Heptachlor exo-epoxide	µg/kg	10	NONE	-	-	-	-	-
Hexachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Hexachlorobutadiene	µg/kg	10	NONE	-	-	-	-	-
Isodrin	µg/kg	20	NONE	-	-	-	-	-
Malathion	µg/kg	10	NONE	-	-	-	-	-
Methacrifos	µg/kg	10	NONE	-	-	-	-	-
Methoxychlor, p,p'-	µg/kg	20	NONE	-	-	-	-	-
Mevinphos, E+Z	µg/kg	10	NONE	-	-	-	-	-
Omethoate	µg/kg	20	NONE	-	-	-	-	-
Parathion	µg/kg	10	NONE	-	-	-	-	-
Parathion-methyl	µg/kg	10	NONE	-	-	-	-	-
Pendimethalin	µg/kg	10	NONE	-	-	-	-	-
Pentachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Permethrin, Cis-	µg/kg	10	NONE	-	-	-	-	-
Permethrin, Trans-	µg/kg	10	NONE	-	-	-	-	-
Phorate	µg/kg	10	NONE	-	-	-	-	-
Phosalone	µg/kg	10	NONE	-	-	-	-	-
Phosphamidon (Sum)	µg/kg	10	NONE	-	-	-	-	-
Pirimiphos-ethyl	µg/kg	10	NONE	-	-	-	-	-
Pirimiphos-methyl	µg/kg	10	NONE	-	-	-	-	-
Propetamphos	µg/kg	10	NONE	-	-	-	-	-
Propyzamide	µg/kg	10	NONE	-	-	-	-	-
Tecnazene	µg/kg	10	NONE	-	-	-	-	-
Tetrachlorobenzene, 1,2,4,5-	µg/kg	10	NONE	-	-	-	-	-
Trichlorobenzene, 1,2,3-	µg/kg	10	NONE	-	-	-	-	-
Trichlorobenzene, 1,3,5-	µg/kg	10	NONE	-	-	-	-	-
Trifluralin	µg/kg	10	NONE	-	-	-	-	-

Analytical Report Number: 21-92226
Project / Site name: Sholden

Lab Sample Number				1968580	1968581	1968582	1968583	1968584
Sample Reference				TP108	TP108	TP108	TP109	TP110
Sample Number				1	2	3	1	2
Depth (m)				0.20	0.50	1.10	0.70	1.20
Date Sampled				02/08/2021	02/08/2021	02/08/2021	05/08/2021	05/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Herbicides								
Aldicarb	µg/kg	10	NONE	-	-	-	-	-
Aldicarb Sulfone	µg/kg	10	NONE	-	-	-	-	-
Aldicarb Sulfoxide	µg/kg	50	NONE	-	-	-	-	-
Atrazine	µg/kg	10	NONE	-	-	-	-	-
Carbaryl	µg/kg	10	NONE	-	-	-	-	-
Carbofuran	µg/kg	10	NONE	-	-	-	-	-
Carbofuran, 3-OH	µg/kg	20	NONE	-	-	-	-	-
Chlortoluron	µg/kg	10	NONE	-	-	-	-	-
Cyanazine	µg/kg	10	NONE	-	-	-	-	-
Diflubenzuron	µg/kg	50	NONE	-	-	-	-	-
Diuron	µg/kg	10	NONE	-	-	-	-	-
Fluometuron	µg/kg	10	NONE	-	-	-	-	-
Isoproturon	µg/kg	10	NONE	-	-	-	-	-
Linuron	µg/kg	20	NONE	-	-	-	-	-
Methiocarb	µg/kg	10	NONE	-	-	-	-	-
Methomyl	µg/kg	10	NONE	-	-	-	-	-
Oxamyl	µg/kg	10	NONE	-	-	-	-	-
Prometryn	µg/kg	10	NONE	-	-	-	-	-
Propazine	µg/kg	10	NONE	-	-	-	-	-
Propoxur	µg/kg	10	NONE	-	-	-	-	-
Siduron	µg/kg	10	NONE	-	-	-	-	-
Simazine	µg/kg	10	NONE	-	-	-	-	-
Tebuthiuron	µg/kg	10	NONE	-	-	-	-	-
Terbuthylazine	µg/kg	10	NONE	-	-	-	-	-
Terbutryn	µg/kg	10	NONE	-	-	-	-	-
Thiadiazuron	µg/kg	10	NONE	-	-	-	-	-
Trietazine	µg/kg	10	NONE	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 21-92226
Project / Site name: Sholden

Lab Sample Number				1968585	1968586	1968587	1968588	1968589
Sample Reference				TP111	TP111	TP201	TP203	TP203
Sample Number				1	2	1	1	2
Depth (m)				0.10	0.50	0.80	0.10	0.50
Date Sampled				03/08/2021	03/08/2021	03/08/2021	03/08/2021	03/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Stone Content	%	0.1	NONE	-	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	-	13	14	16	13
Total mass of sample received	kg	0.001	NONE	-	1.9	1.4	1.6	1.9
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	-	-	Not-detected	-

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	-	9.0	8.6	8.2	8.3
Total Cyanide	mg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	< 1.0
Complex Cyanide	mg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	< 1.0
Free Cyanide	mg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	< 1.0
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	-	0.0075	0.0050	0.040	0.011
Total Sulphur	mg/kg	50	MCERTS	-	220	250	410	260
Organic Matter (automated)	%	0.1	MCERTS	-	0.6	0.5	3.2	1.6

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	< 1.0

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	-	< 0.80	< 0.80	< 0.80	< 0.80

Analytical Report Number: 21-92226
Project / Site name: Sholden

Lab Sample Number				1968585	1968586	1968587	1968588	1968589
Sample Reference				TP111	TP111	TP201	TP203	TP203
Sample Number				1	2	1	1	2
Depth (m)				0.10	0.50	0.80	0.10	0.50
Date Sampled				03/08/2021	03/08/2021	03/08/2021	03/08/2021	03/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	-	1.6	4.2	12	9.5
Barium (aqua regia extractable)	mg/kg	1	MCERTS	-	20	25	78	73
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	-	0.23	0.26	0.88	0.88
Boron (water soluble)	mg/kg	0.2	MCERTS	-	0.9	0.5	2.8	1.8
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	-	0.4	0.3	0.5	< 0.2
Chromium (hexavalent)	mg/kg	4	MCERTS	-	< 4.0	< 4.0	< 4.0	< 4.0
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	-	6.8	8.1	24	27
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-	4.2	4.2	28	14
Lead (aqua regia extractable)	mg/kg	1	MCERTS	-	5.1	5.1	83	22
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	-	5.3	7.1	20	21
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	-	10	11	38	39
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	-	25	25	74	60
Petroleum Hydrocarbons								
TPH C10 - C40	mg/kg	10	MCERTS	-	< 10	< 10	< 10	< 10
TPH2 (C6 - C10)	mg/kg	0.1	MCERTS	-	< 0.1	< 0.1	< 0.1	< 0.1
Pesticides								
Alachlor	µg/kg	10	NONE	-	-	-	-	-
Aldrin	µg/kg	10	NONE	-	-	-	-	-
Azinphos-ethyl	µg/kg	10	NONE	-	-	-	-	-
Azinphos-methyl	µg/kg	10	NONE	-	-	-	-	-
BHC-alpha (benzene hexachloride)	µg/kg	10	NONE	-	-	-	-	-
BHC-beta	µg/kg	10	NONE	-	-	-	-	-
BHC-delta	µg/kg	10	NONE	-	-	-	-	-
BHC-gamma (Lindane, gamma HCH)	µg/kg	10	NONE	-	-	-	-	-
Bifenthrin	µg/kg	10	NONE	-	-	-	-	-
Carbophenothion	µg/kg	10	NONE	-	-	-	-	-
Chlordane-cis	µg/kg	10	NONE	-	-	-	-	-
Chlordane-trans	µg/kg	10	NONE	-	-	-	-	-
Chlorfenvinphos	µg/kg	10	NONE	-	-	-	-	-
Chlorothalonil	µg/kg	20	NONE	-	-	-	-	-
Chlorpyrifos	µg/kg	10	NONE	-	-	-	-	-
Cyfluthrin (Sum)	µg/kg	10	NONE	-	-	-	-	-
Cyhalothrin (Lambda)	µg/kg	10	NONE	-	-	-	-	-
Cypermethrin (Sum)	µg/kg	10	NONE	-	-	-	-	-
DDD-o,p'	µg/kg	10	NONE	-	-	-	-	-
DDD-p,p'	µg/kg	10	NONE	-	-	-	-	-
DDE-o,p'	µg/kg	10	NONE	-	-	-	-	-
DDE-p,p'	µg/kg	10	NONE	-	-	-	-	-
DDT-o,p'	µg/kg	10	NONE	-	-	-	-	-
DDT-p,p'	µg/kg	10	NONE	-	-	-	-	-
Deltamethrin	µg/kg	10	NONE	-	-	-	-	-
Demeton-O	µg/kg	10	NONE	-	-	-	-	-
Demeton-S	µg/kg	10	NONE	-	-	-	-	-
Diazinon	µg/kg	10	NONE	-	-	-	-	-
Dichlorobenzonitrile, 2,6-	µg/kg	10	NONE	-	-	-	-	-
Dichlorvos	µg/kg	10	NONE	-	-	-	-	-
Dieldrin	µg/kg	10	NONE	-	-	-	-	-

Analytical Report Number: 21-92226
Project / Site name: Sholden

Lab Sample Number				1968585	1968586	1968587	1968588	1968589
Sample Reference				TP111	TP111	TP201	TP203	TP203
Sample Number				1	2	1	1	2
Depth (m)				0.10	0.50	0.80	0.10	0.50
Date Sampled				03/08/2021	03/08/2021	03/08/2021	03/08/2021	03/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Dimethoate	µg/kg	10	NONE	-	-	-	-	-
Dimethylvinphos	µg/kg	10	NONE	-	-	-	-	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-	-	-	-	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	-	-	-	-	-
Endosulfan sulfate	µg/kg	10	NONE	-	-	-	-	-
Endrin	µg/kg	20	NONE	-	-	-	-	-
Endrin aldehyde	µg/kg	10	NONE	-	-	-	-	-
Endrin ketone	µg/kg	10	NONE	-	-	-	-	-
Ethion	µg/kg	10	NONE	-	-	-	-	-
Etrimfos	µg/kg	10	NONE	-	-	-	-	-
Fenitrothion	µg/kg	10	NONE	-	-	-	-	-
Fenthion	µg/kg	10	NONE	-	-	-	-	-
Fenvalerate (Sum)	µg/kg	10	NONE	-	-	-	-	-
Heptachlor	µg/kg	10	NONE	-	-	-	-	-
Heptachlor exo-epoxide	µg/kg	10	NONE	-	-	-	-	-
Hexachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Hexachlorobutadiene	µg/kg	10	NONE	-	-	-	-	-
Isodrin	µg/kg	20	NONE	-	-	-	-	-
Malathion	µg/kg	10	NONE	-	-	-	-	-
Methacrifos	µg/kg	10	NONE	-	-	-	-	-
Methoxychlor, p,p'-	µg/kg	20	NONE	-	-	-	-	-
Mevinphos, E+Z	µg/kg	10	NONE	-	-	-	-	-
Omethoate	µg/kg	20	NONE	-	-	-	-	-
Parathion	µg/kg	10	NONE	-	-	-	-	-
Parathion-methyl	µg/kg	10	NONE	-	-	-	-	-
Pendimethalin	µg/kg	10	NONE	-	-	-	-	-
Pentachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Permethrin, Cis-	µg/kg	10	NONE	-	-	-	-	-
Permethrin, Trans-	µg/kg	10	NONE	-	-	-	-	-
Phorate	µg/kg	10	NONE	-	-	-	-	-
Phosalone	µg/kg	10	NONE	-	-	-	-	-
Phosphamidon (Sum)	µg/kg	10	NONE	-	-	-	-	-
Pirimiphos-ethyl	µg/kg	10	NONE	-	-	-	-	-
Pirimiphos-methyl	µg/kg	10	NONE	-	-	-	-	-
Propetamphos	µg/kg	10	NONE	-	-	-	-	-
Propyzamide	µg/kg	10	NONE	-	-	-	-	-
Tecnazene	µg/kg	10	NONE	-	-	-	-	-
Tetrachlorobenzene, 1,2,4,5-	µg/kg	10	NONE	-	-	-	-	-
Trichlorobenzene, 1,2,3-	µg/kg	10	NONE	-	-	-	-	-
Trichlorobenzene, 1,3,5-	µg/kg	10	NONE	-	-	-	-	-
Trifluralin	µg/kg	10	NONE	-	-	-	-	-

Analytical Report Number: 21-92226
Project / Site name: Sholden

Lab Sample Number				1968585	1968586	1968587	1968588	1968589
Sample Reference				TP111	TP111	TP201	TP203	TP203
Sample Number				1	2	1	1	2
Depth (m)				0.10	0.50	0.80	0.10	0.50
Date Sampled				03/08/2021	03/08/2021	03/08/2021	03/08/2021	03/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Herbicides								
Aldicarb	µg/kg	10	NONE	-	-	-	-	-
Aldicarb Sulfone	µg/kg	10	NONE	-	-	-	-	-
Aldicarb Sulfoxide	µg/kg	50	NONE	-	-	-	-	-
Atrazine	µg/kg	10	NONE	-	-	-	-	-
Carbaryl	µg/kg	10	NONE	-	-	-	-	-
Carbofuran	µg/kg	10	NONE	-	-	-	-	-
Carbofuran, 3-OH	µg/kg	20	NONE	-	-	-	-	-
Chlortoluron	µg/kg	10	NONE	-	-	-	-	-
Cyanazine	µg/kg	10	NONE	-	-	-	-	-
Diflubenzuron	µg/kg	50	NONE	-	-	-	-	-
Diuron	µg/kg	10	NONE	-	-	-	-	-
Fluometuron	µg/kg	10	NONE	-	-	-	-	-
Isoproturon	µg/kg	10	NONE	-	-	-	-	-
Linuron	µg/kg	20	NONE	-	-	-	-	-
Methiocarb	µg/kg	10	NONE	-	-	-	-	-
Methomyl	µg/kg	10	NONE	-	-	-	-	-
Oxamyl	µg/kg	10	NONE	-	-	-	-	-
Prometryn	µg/kg	10	NONE	-	-	-	-	-
Propazine	µg/kg	10	NONE	-	-	-	-	-
Propoxur	µg/kg	10	NONE	-	-	-	-	-
Siduron	µg/kg	10	NONE	-	-	-	-	-
Simazine	µg/kg	10	NONE	-	-	-	-	-
Tebuthiuron	µg/kg	10	NONE	-	-	-	-	-
Terbuthylazine	µg/kg	10	NONE	-	-	-	-	-
Terbutryn	µg/kg	10	NONE	-	-	-	-	-
Thiadiazuron	µg/kg	10	NONE	-	-	-	-	-
Trietazine	µg/kg	10	NONE	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 21-92226
Project / Site name: Sholden

Lab Sample Number				1968590	1968591	1968592	1968593	1968594
Sample Reference				TP206	TP207	TP208	TP210	TP210
Sample Number				1	1	2	1	2
Depth (m)				0.20	0.50	1.50	0.20	0.45
Date Sampled				03/08/2021	03/08/2021	05/08/2021	04/08/2021	04/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	16	11	21	9.7	14
Total mass of sample received	kg	0.001	NONE	1.9	1.8	1.8	1.8	0.50
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	-	Chrysotile- Loose Fibres	-
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	-	-	Detected	-
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	8.2	8.4	8.6	8.4	8.8
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Complex Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.014	0.013	0.0061	0.011	0.0064
Total Sulphur	mg/kg	50	MCERTS	410	280	190	430	250
Organic Matter (automated)	%	0.1	MCERTS	2.9	1.6	0.9	3.2	0.9
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80

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Project / Site name: Sholden

Lab Sample Number				1968590	1968591	1968592	1968593	1968594
Sample Reference				TP206	TP207	TP208	TP210	TP210
Sample Number				1	1	2	1	2
Depth (m)				0.20	0.50	1.50	0.20	0.45
Date Sampled				03/08/2021	03/08/2021	05/08/2021	04/08/2021	04/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	9.9	6.3	3.9	11	4.0
Barium (aqua regia extractable)	mg/kg	1	MCERTS	70	61	26	95	31
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.80	0.65	0.22	0.80	0.28
Boron (water soluble)	mg/kg	0.2	MCERTS	1.7	0.9	0.9	2.3	0.9
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.5	0.5	0.3	0.6	0.4
Chromium (hexavalent)	mg/kg	4	MCERTS	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	22	19	5.0	19	7.9
Copper (aqua regia extractable)	mg/kg	1	MCERTS	24	14	8.4	53	8.8
Lead (aqua regia extractable)	mg/kg	1	MCERTS	61	20	20	110	16
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	18	15	4.1	15	6.1
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	36	29	8.8	30	12
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	65	52	28	92	31
Petroleum Hydrocarbons								
TPH C10 - C40	mg/kg	10	MCERTS	19	< 10	< 10	< 10	< 10
TPH2 (C6 - C10)	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Pesticides								
Alachlor	µg/kg	10	NONE	< 10	-	-	< 10	-
Aldrin	µg/kg	10	NONE	< 10	-	-	< 10	-
Azinphos-ethyl	µg/kg	10	NONE	< 10	-	-	< 10	-
Azinphos-methyl	µg/kg	10	NONE	< 10	-	-	< 10	-
BHC-alpha (benzene hexachloride)	µg/kg	10	NONE	< 10	-	-	< 10	-
BHC-beta	µg/kg	10	NONE	< 10	-	-	< 10	-
BHC-delta	µg/kg	10	NONE	< 10	-	-	< 10	-
BHC-gamma (Lindane, gamma HCH)	µg/kg	10	NONE	< 10	-	-	< 10	-
Bifenthrin	µg/kg	10	NONE	< 10	-	-	< 10	-
Carbophenothion	µg/kg	10	NONE	< 10	-	-	< 10	-
Chlordane-cis	µg/kg	10	NONE	< 10	-	-	< 10	-
Chlordane-trans	µg/kg	10	NONE	< 10	-	-	< 10	-
Chlorfenvinphos	µg/kg	10	NONE	< 10	-	-	< 10	-
Chlorothalonil	µg/kg	20	NONE	< 20	-	-	< 20	-
Chlorpyrifos	µg/kg	10	NONE	< 10	-	-	< 10	-
Cyfluthrin (Sum)	µg/kg	10	NONE	< 10	-	-	< 10	-
Cyhalothrin (Lambda)	µg/kg	10	NONE	< 10	-	-	< 10	-
Cypermethrin (Sum)	µg/kg	10	NONE	< 10	-	-	< 10	-
DDD-o,p'	µg/kg	10	NONE	< 10	-	-	< 10	-
DDD-p,p'	µg/kg	10	NONE	< 10	-	-	< 10	-
DDE-o,p'	µg/kg	10	NONE	< 10	-	-	< 10	-
DDE-p,p'	µg/kg	10	NONE	< 10	-	-	< 10	-
DDT-o,p'	µg/kg	10	NONE	< 10	-	-	< 10	-
DDT-p,p'	µg/kg	10	NONE	< 10	-	-	< 10	-
Deltamethrin	µg/kg	10	NONE	< 10	-	-	< 10	-
Demeton-O	µg/kg	10	NONE	< 10	-	-	< 10	-
Demeton-S	µg/kg	10	NONE	< 10	-	-	< 10	-
Diazinon	µg/kg	10	NONE	< 10	-	-	< 10	-
Dichlorobenzonitrile, 2,6-	µg/kg	10	NONE	< 10	-	-	< 10	-
Dichlorvos	µg/kg	10	NONE	< 10	-	-	< 10	-
Dieldrin	µg/kg	10	NONE	< 10	-	-	< 10	-

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Lab Sample Number				1968590	1968591	1968592	1968593	1968594
Sample Reference				TP206	TP207	TP208	TP210	TP210
Sample Number				1	1	2	1	2
Depth (m)				0.20	0.50	1.50	0.20	0.45
Date Sampled				03/08/2021	03/08/2021	05/08/2021	04/08/2021	04/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Dimethoate	µg/kg	10	NONE	< 10	-	-	< 10	-
Dimethylvinphos	µg/kg	10	NONE	< 10	-	-	< 10	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	< 10	-	-	< 10	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	< 10	-	-	< 10	-
Endosulfan sulfate	µg/kg	10	NONE	< 10	-	-	< 10	-
Endrin	µg/kg	20	NONE	< 20	-	-	< 20	-
Endrin aldehyde	µg/kg	10	NONE	< 10	-	-	< 10	-
Endrin ketone	µg/kg	10	NONE	< 10	-	-	< 10	-
Ethion	µg/kg	10	NONE	< 10	-	-	< 10	-
Etrimfos	µg/kg	10	NONE	< 10	-	-	< 10	-
Fenitrothion	µg/kg	10	NONE	< 10	-	-	< 10	-
Fenthion	µg/kg	10	NONE	< 10	-	-	< 10	-
Fenvalerate (Sum)	µg/kg	10	NONE	< 10	-	-	< 10	-
Heptachlor	µg/kg	10	NONE	< 10	-	-	< 10	-
Heptachlor exo-epoxide	µg/kg	10	NONE	< 10	-	-	< 10	-
Hexachlorobenzene	µg/kg	10	NONE	< 10	-	-	< 10	-
Hexachlorobutadiene	µg/kg	10	NONE	< 10	-	-	< 10	-
Isodrin	µg/kg	20	NONE	< 20	-	-	< 20	-
Malathion	µg/kg	10	NONE	< 10	-	-	< 10	-
Methacrifos	µg/kg	10	NONE	< 10	-	-	< 10	-
Methoxychlor, p,p'-	µg/kg	20	NONE	< 20	-	-	< 20	-
Mevinphos, E+Z	µg/kg	10	NONE	< 10	-	-	< 10	-
Omethoate	µg/kg	20	NONE	< 20	-	-	< 20	-
Parathion	µg/kg	10	NONE	< 10	-	-	< 10	-
Parathion-methyl	µg/kg	10	NONE	< 10	-	-	< 10	-
Pendimethalin	µg/kg	10	NONE	< 10	-	-	< 10	-
Pentachlorobenzene	µg/kg	10	NONE	< 10	-	-	< 10	-
Permethrin, Cis-	µg/kg	10	NONE	< 10	-	-	< 10	-
Permethrin, Trans-	µg/kg	10	NONE	< 10	-	-	< 10	-
Phorate	µg/kg	10	NONE	< 10	-	-	< 10	-
Phosalone	µg/kg	10	NONE	< 10	-	-	< 10	-
Phosphamidon (Sum)	µg/kg	10	NONE	< 10	-	-	< 10	-
Pirimiphos-ethyl	µg/kg	10	NONE	< 10	-	-	< 10	-
Pirimiphos-methyl	µg/kg	10	NONE	< 10	-	-	< 10	-
Propetamphos	µg/kg	10	NONE	< 10	-	-	< 10	-
Propyzamide	µg/kg	10	NONE	< 10	-	-	< 10	-
Tecnazene	µg/kg	10	NONE	< 10	-	-	< 10	-
Tetrachlorobenzene, 1,2,4,5-	µg/kg	10	NONE	< 10	-	-	< 10	-
Trichlorobenzene, 1,2,3-	µg/kg	10	NONE	< 10	-	-	< 10	-
Trichlorobenzene, 1,3,5-	µg/kg	10	NONE	< 10	-	-	< 10	-
Trifluralin	µg/kg	10	NONE	< 10	-	-	< 10	-

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Lab Sample Number				1968590	1968591	1968592	1968593	1968594
Sample Reference				TP206	TP207	TP208	TP210	TP210
Sample Number				1	1	2	1	2
Depth (m)				0.20	0.50	1.50	0.20	0.45
Date Sampled				03/08/2021	03/08/2021	05/08/2021	04/08/2021	04/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Herbicides								
Aldicarb	µg/kg	10	NONE	< 10	-	-	< 10	-
Aldicarb Sulfone	µg/kg	10	NONE	< 10	-	-	< 10	-
Aldicarb Sulfoxide	µg/kg	50	NONE	< 50	-	-	< 50	-
Atrazine	µg/kg	10	NONE	< 10	-	-	< 10	-
Carbaryl	µg/kg	10	NONE	< 10	-	-	< 10	-
Carbofuran	µg/kg	10	NONE	< 10	-	-	< 10	-
Carbofuran, 3-OH	µg/kg	20	NONE	< 20	-	-	< 20	-
Chlortoluron	µg/kg	10	NONE	< 10	-	-	< 10	-
Cyanazine	µg/kg	10	NONE	< 10	-	-	< 10	-
Diflubenzuron	µg/kg	50	NONE	< 50	-	-	< 50	-
Diuron	µg/kg	10	NONE	< 10	-	-	< 10	-
Fluometuron	µg/kg	10	NONE	< 10	-	-	< 10	-
Isoproturon	µg/kg	10	NONE	< 10	-	-	< 10	-
Linuron	µg/kg	20	NONE	< 20	-	-	< 20	-
Methiocarb	µg/kg	10	NONE	< 10	-	-	< 10	-
Methomyl	µg/kg	10	NONE	< 10	-	-	< 10	-
Oxamyl	µg/kg	10	NONE	< 10	-	-	< 10	-
Prometryn	µg/kg	10	NONE	< 10	-	-	< 10	-
Propazine	µg/kg	10	NONE	< 10	-	-	< 10	-
Propoxur	µg/kg	10	NONE	< 10	-	-	< 10	-
Siduron	µg/kg	10	NONE	< 10	-	-	< 10	-
Simazine	µg/kg	10	NONE	< 10	-	-	< 10	-
Tebuthiuron	µg/kg	10	NONE	< 10	-	-	< 10	-
Terbuthylazine	µg/kg	10	NONE	< 10	-	-	< 10	-
Terbutryn	µg/kg	10	NONE	< 10	-	-	< 10	-
Thiadiazuron	µg/kg	10	NONE	< 10	-	-	< 10	-
Trietazine	µg/kg	10	NONE	< 10	-	-	< 10	-

U/S = Unsuitable Sample I/S = Insufficient Sample

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Lab Sample Number				1968595
Sample Reference				TP212
Sample Number				1
Depth (m)				0.10
Date Sampled				04/08/2021
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**	
Stone Content	%	0.1	NONE	< 0.1
Moisture Content	%	0.01	NONE	13
Total mass of sample received	kg	0.001	NONE	2.0

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	8.2
Total Cyanide	mg/kg	1	MCERTS	< 1.0
Complex Cyanide	mg/kg	1	MCERTS	< 1.0
Free Cyanide	mg/kg	1	MCERTS	< 1.0
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.013
Total Sulphur	mg/kg	50	MCERTS	350
Organic Matter (automated)	%	0.1	MCERTS	2.7

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80

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Lab Sample Number				1968595
Sample Reference				TP212
Sample Number				1
Depth (m)				0.10
Date Sampled				04/08/2021
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**	
Heavy Metals / Metalloids				
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	8.0
Barium (aqua regia extractable)	mg/kg	1	MCERTS	59
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.66
Boron (water soluble)	mg/kg	0.2	MCERTS	2.1
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.5
Chromium (hexavalent)	mg/kg	4	MCERTS	< 4.0
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	20
Copper (aqua regia extractable)	mg/kg	1	MCERTS	17
Lead (aqua regia extractable)	mg/kg	1	MCERTS	36
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	15
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	30
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	56
Petroleum Hydrocarbons				
TPH C10 - C40	mg/kg	10	MCERTS	< 10
TPH2 (C6 - C10)	mg/kg	0.1	MCERTS	< 0.1
Pesticides				
Alachlor	µg/kg	10	NONE	-
Aldrin	µg/kg	10	NONE	-
Azinphos-ethyl	µg/kg	10	NONE	-
Azinphos-methyl	µg/kg	10	NONE	-
BHC-alpha (benzene hexachloride)	µg/kg	10	NONE	-
BHC-beta	µg/kg	10	NONE	-
BHC-delta	µg/kg	10	NONE	-
BHC-gamma (Lindane, gamma HCH)	µg/kg	10	NONE	-
Bifenthrin	µg/kg	10	NONE	-
Carbophenothion	µg/kg	10	NONE	-
Chlordane-cis	µg/kg	10	NONE	-
Chlordane-trans	µg/kg	10	NONE	-
Chlorfenvinphos	µg/kg	10	NONE	-
Chlorothalonil	µg/kg	20	NONE	-
Chlorpyrifos	µg/kg	10	NONE	-
Cyfluthrin (Sum)	µg/kg	10	NONE	-
Cyhalothrin (Lambda)	µg/kg	10	NONE	-
Cypermethrin (Sum)	µg/kg	10	NONE	-
DDD-o,p'	µg/kg	10	NONE	-
DDD-p,p'	µg/kg	10	NONE	-
DDE-o,p'	µg/kg	10	NONE	-
DDE-p,p'	µg/kg	10	NONE	-
DDT-o,p'	µg/kg	10	NONE	-
DDT-p,p'	µg/kg	10	NONE	-
Deltamethrin	µg/kg	10	NONE	-
Demeton-O	µg/kg	10	NONE	-
Demeton-S	µg/kg	10	NONE	-
Diazinon	µg/kg	10	NONE	-
Dichlorobenzonitrile, 2,6-	µg/kg	10	NONE	-
Dichlorvos	µg/kg	10	NONE	-
Dieldrin	µg/kg	10	NONE	-

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Lab Sample Number				1968595
Sample Reference				TP212
Sample Number				1
Depth (m)				0.10
Date Sampled				04/08/2021
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**	
Dimethoate	µg/kg	10	NONE	-
Dimethylvinphos	µg/kg	10	NONE	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	-
Endosulfan sulfate	µg/kg	10	NONE	-
Endrin	µg/kg	20	NONE	-
Endrin aldehyde	µg/kg	10	NONE	-
Endrin ketone	µg/kg	10	NONE	-
Ethion	µg/kg	10	NONE	-
Etrimfos	µg/kg	10	NONE	-
Fenitrothion	µg/kg	10	NONE	-
Fenthion	µg/kg	10	NONE	-
Fenvalerate (Sum)	µg/kg	10	NONE	-
Heptachlor	µg/kg	10	NONE	-
Heptachlor exo-epoxide	µg/kg	10	NONE	-
Hexachlorobenzene	µg/kg	10	NONE	-
Hexachlorobutadiene	µg/kg	10	NONE	-
Isodrin	µg/kg	20	NONE	-
Malathion	µg/kg	10	NONE	-
Methacrifos	µg/kg	10	NONE	-
Methoxychlor, p,p'-	µg/kg	20	NONE	-
Mevinphos, E+Z	µg/kg	10	NONE	-
Omethoate	µg/kg	20	NONE	-
Parathion	µg/kg	10	NONE	-
Parathion-methyl	µg/kg	10	NONE	-
Pendimethalin	µg/kg	10	NONE	-
Pentachlorobenzene	µg/kg	10	NONE	-
Permethrin, Cis-	µg/kg	10	NONE	-
Permethrin, Trans-	µg/kg	10	NONE	-
Phorate	µg/kg	10	NONE	-
Phosalone	µg/kg	10	NONE	-
Phosphamidon (Sum)	µg/kg	10	NONE	-
Pirimiphos-ethyl	µg/kg	10	NONE	-
Pirimiphos-methyl	µg/kg	10	NONE	-
Propetamphos	µg/kg	10	NONE	-
Propyzamide	µg/kg	10	NONE	-
Tecnazene	µg/kg	10	NONE	-
Tetrachlorobenzene, 1,2,4,5-	µg/kg	10	NONE	-
Trichlorobenzene, 1,2,3-	µg/kg	10	NONE	-
Trichlorobenzene, 1,3,5-	µg/kg	10	NONE	-
Trifluralin	µg/kg	10	NONE	-

Analytical Report Number: 21-92226
Project / Site name: Sholden

Lab Sample Number				1968595
Sample Reference				TP212
Sample Number				1
Depth (m)				0.10
Date Sampled				04/08/2021
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**	
Herbicides				
Aldicarb	µg/kg	10	NONE	-
Aldicarb Sulfone	µg/kg	10	NONE	-
Aldicarb Sulfoxide	µg/kg	50	NONE	-
Atrazine	µg/kg	10	NONE	-
Carbaryl	µg/kg	10	NONE	-
Carbofuran	µg/kg	10	NONE	-
Carbofuran, 3-OH	µg/kg	20	NONE	-
Chlortoluron	µg/kg	10	NONE	-
Cyanazine	µg/kg	10	NONE	-
Diflubenzuron	µg/kg	50	NONE	-
Diuron	µg/kg	10	NONE	-
Fluometuron	µg/kg	10	NONE	-
Isoproturon	µg/kg	10	NONE	-
Linuron	µg/kg	20	NONE	-
Methiocarb	µg/kg	10	NONE	-
Methomyl	µg/kg	10	NONE	-
Oxamyl	µg/kg	10	NONE	-
Prometryn	µg/kg	10	NONE	-
Propazine	µg/kg	10	NONE	-
Propoxur	µg/kg	10	NONE	-
Siduron	µg/kg	10	NONE	-
Simazine	µg/kg	10	NONE	-
Tebuthiuron	µg/kg	10	NONE	-
Terbuthylazine	µg/kg	10	NONE	-
Terbutryn	µg/kg	10	NONE	-
Thiadiazuron	µg/kg	10	NONE	-
Trietazine	µg/kg	10	NONE	-

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 21-92226
Project / Site name: Sholden

Lab Sample Number				1968596	1968597	1968598	1968599	1968600
Sample Reference				TP105	TP108	TP203	TP206	TP212
Sample Number				1	1	1	1	1
Depth (m)				0.20	0.20	0.10	0.20	0.10
Date Sampled				02/08/2021	02/08/2021	03/08/2021	03/08/2021	04/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Leachate Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
General Inorganics								
pH	pH Units	N/A	ISO 17025	7.9	7.8	7.9	7.8	8.0
Total Cyanide	µg/l	10	ISO 17025	< 10	< 10	< 10	< 10	< 10
Sulphate as SO4	mg/l	0.1	ISO 17025	4.5	4.6	8.0	8.3	4.4
Heavy Metals / Metalloids								
Arsenic (dissolved)	µg/l	1	ISO 17025	6.0	2.8	6.6	< 1.0	3.5
Barium (dissolved)	µg/l	0.05	ISO 17025	9.1	13	17	12	12
Beryllium (dissolved)	µg/l	0.2	ISO 17025	0.5	0.7	0.5	1.2	1.0
Boron (dissolved)	µg/l	10	ISO 17025	48	82	81	36	39
Cadmium (dissolved)	µg/l	0.08	ISO 17025	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08
Chromium (dissolved)	µg/l	0.4	ISO 17025	0.7	1.0	0.8	1.1	1.0
Copper (dissolved)	µg/l	0.7	ISO 17025	27	28	27	23	9.0
Lead (dissolved)	µg/l	1	ISO 17025	1.4	< 1.0	3.4	2.2	2.0
Mercury (dissolved)	µg/l	0.5	ISO 17025	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Nickel (dissolved)	µg/l	0.3	ISO 17025	2.7	2.8	4.6	4.1	2.6
Selenium (dissolved)	µg/l	4	ISO 17025	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
Vanadium (dissolved)	µg/l	1.7	ISO 17025	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
Zinc (dissolved)	µg/l	0.4	ISO 17025	8.0	12	12	12	6.1

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number : 21-92226
Project / Site name: Sholden

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
1968575	TP101	1	0.5	Brown loam and clay with gravel and chalk.
1968576	TP103	1	0.2	Brown loam and clay with gravel and vegetation.
1968577	TP105	1	0.2	Brown loam and clay with gravel and vegetation.
1968578	TP106	1	0.1	Brown loam and clay with gravel and vegetation.
1968579	TP107	2	0.7	Brown sandy loam with chalk and gravel
1968581	TP108	2	0.5	Brown loam and clay with gravel and vegetation.
1968582	TP108	3	1.1	Brown loam and clay with gravel and vegetation.
1968583	TP109	1	0.7	Brown loam and clay with gravel and vegetation.
1968584	TP110	2	1.2	White chalk with gravel.**
1968586	TP111	2	0.5	Beige loam and sand with chalk and gravel.
1968587	TP201	1	0.8	Beige loam and sand with chalk and gravel.
1968588	TP203	1	0.1	Brown loam and clay with gravel and vegetation.
1968589	TP203	2	0.5	Brown loam and clay with gravel and vegetation.
1968590	TP206	1	0.2	Brown loam and clay with gravel and vegetation.
1968591	TP207	1	0.5	Brown loam and clay with gravel and vegetation.
1968592	TP208	2	1.5	Beige chalk with gravel.**
1968593	TP210	1	0.2	Brown loam and clay with gravel and vegetation.
1968594	TP210	2	0.45	Beige loam and sand with gravel and chalk.
1968595	TP212	1	0.1	Brown loam and clay with gravel and vegetation.

** Non MCERTS matrix

Analytical Report Number : 21-92226
Project / Site name: Sholden

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Sulphate, water soluble, in soil (16hr extraction)	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-PL	D	MCERTS
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L038-PL	D	MCERTS
BS EN 12457-1 (2:1) Leachate Prep	2:1 (as recieved, moisture adjusted) end over end extraction with water for 24 hours. Eluate filtered prior to analysis.	In-house method based on BSEN12457-1.	L043-PL	W	NONE
Asbestos identification in soil	Asbestos Identification with the use of polarised light microscopy in conjunction with disperion staining techniques.	In house method based on HSG 248	A001-PL	D	ISO 17025
Metals by ICP-OES in leachate	Determination of metals in leachate by acidification followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L039-PL	W	ISO 17025
Boron in leachate	Determination of boron in leachate. Sample acidified and followed by ICP-OES.	In-house method based on MEWAM	L039-PL	W	ISO 17025
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES.	In-house method based on Second Site Properties version 3	L038-PL	D	MCERTS
Complex Cyanide in soil	Determination of complex cyanide by calculation.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	MCERTS
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry.	In-house method	L080-PL	W	MCERTS
Free cyanide in soil	Determination of free cyanide by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	MCERTS
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In house method.	L019-UK/PL	W	NONE
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (skalar)	L080-PL	W	MCERTS
Speciated EPA-16 PAHs in soil	Determination of PAH compounds in soil by extraction in dichloromethane and hexane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270	L064-PL	D	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement.	In house method.	L099-PL	D	MCERTS
pH at 20oC in leachate	Determination of pH in leachate by electrometric measurement.	In house method.	L005-PL	W	ISO 17025
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight.	In-house method based on British Standard Methods and MCERTS requirements.	L019-UK/PL	D	NONE
Total Sulphur in soil	Determination of total sulphur in soil by extraction with aqua-regia, potassium bromide/bromate followed by ICP-OES.	In house method.	L038-PL	D	MCERTS

Analytical Report Number : 21-92226
Project / Site name: Sholden

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
TPH2 (Soil)	Determination of hydrocarbons C6-C10 by headspace GC-MS.	In-house method based on USEPA8260	L088-PL	W	MCERTS
Total cyanide in leachate	Determination of total cyanide by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	ISO 17025
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	MCERTS
Pesticides by GC-MS/MS	Detemination of Pesticides in soil by GC MS/MS	In-house method	L055B-PL	W	NONE
Herbicides by LC-MS	Detemination of Herbicides in soil by LC MS	In-house method	L056B-PL	W	NONE
TPH Banding in Soil by FID	Determination of hexane extractable hydrocarbons in soil by GC-FID.	In-house method, TPH with carbon banding and silica gel split/cleanup.	L076-PL	W	MCERTS
Sulphate in leachates	Determination of sulphate in leachate by acidification followed by ICP-OES.	In-house method based on MEWAM 1986 Methods for the Determination of Metals in Soil""	L039-PL	W	ISO 17025
Organic matter (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate.	In house method.	L009-PL	D	MCERTS

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.
For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

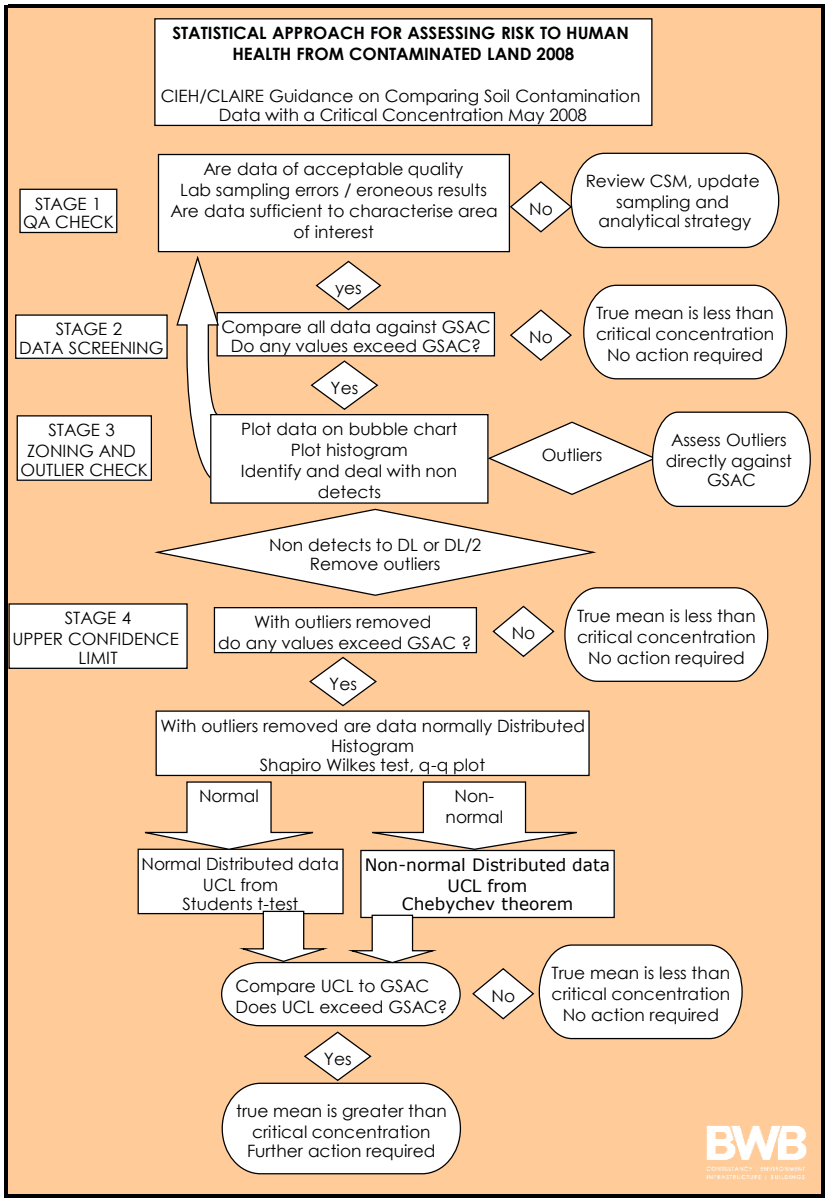
Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Sample Deviation Report

Analytical Report Number : 21-92226
Project / Site name: Sholden

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
TP101	1	S	1968575	c	Free cyanide in soil	L080-PL	c
TP101	1	S	1968575	c	Complex Cyanide in soil	L080-PL	c
TP101	1	S	1968575	c	Total cyanide in soil	L080-PL	c
TP103	1	S	1968576	c	Free cyanide in soil	L080-PL	c
TP103	1	S	1968576	c	Complex Cyanide in soil	L080-PL	c
TP103	1	S	1968576	c	Total cyanide in soil	L080-PL	c
TP105	1	S	1968577	c	Free cyanide in soil	L080-PL	c
TP105	1	S	1968577	c	Complex Cyanide in soil	L080-PL	c
TP105	1	S	1968577	c	Total cyanide in soil	L080-PL	c
TP106	1	S	1968578	c	Free cyanide in soil	L080-PL	c
TP106	1	S	1968578	c	Complex Cyanide in soil	L080-PL	c
TP106	1	S	1968578	c	Total cyanide in soil	L080-PL	c
TP107	2	S	1968579	c	Free cyanide in soil	L080-PL	c
TP107	2	S	1968579	c	Complex Cyanide in soil	L080-PL	c
TP107	2	S	1968579	c	Total cyanide in soil	L080-PL	c
TP108	2	S	1968581	c	Free cyanide in soil	L080-PL	c
TP108	2	S	1968581	c	Complex Cyanide in soil	L080-PL	c
TP108	2	S	1968581	c	Total cyanide in soil	L080-PL	c
TP108	3	S	1968582	c	Free cyanide in soil	L080-PL	c
TP108	3	S	1968582	c	Complex Cyanide in soil	L080-PL	c
TP108	3	S	1968582	c	Total cyanide in soil	L080-PL	c
TP111	2	S	1968586	c	Free cyanide in soil	L080-PL	c
TP111	2	S	1968586	c	Complex Cyanide in soil	L080-PL	c
TP111	2	S	1968586	c	Total cyanide in soil	L080-PL	c
TP201	1	S	1968587	c	Free cyanide in soil	L080-PL	c
TP201	1	S	1968587	c	Complex Cyanide in soil	L080-PL	c
TP201	1	S	1968587	c	Total cyanide in soil	L080-PL	c
TP203	1	S	1968588	c	Free cyanide in soil	L080-PL	c
TP203	1	S	1968588	c	Complex Cyanide in soil	L080-PL	c
TP203	1	S	1968588	c	Total cyanide in soil	L080-PL	c
TP203	2	S	1968589	c	Free cyanide in soil	L080-PL	c
TP203	2	S	1968589	c	Complex Cyanide in soil	L080-PL	c
TP203	2	S	1968589	c	Total cyanide in soil	L080-PL	c
TP206	1	S	1968590	c	Free cyanide in soil	L080-PL	c
TP206	1	S	1968590	c	Complex Cyanide in soil	L080-PL	c
TP206	1	S	1968590	c	Total cyanide in soil	L080-PL	c
TP207	1	S	1968591	c	Free cyanide in soil	L080-PL	c
TP207	1	S	1968591	c	Complex Cyanide in soil	L080-PL	c
TP207	1	S	1968591	c	Total cyanide in soil	L080-PL	c

Appendix 7: CLEA Flowchart & Work Sheets


STATISTICAL APPROACH FOR ASSESSING RISK TO HUMAN HEALTH FROM CONTAMINATED LAND 2008
CIEH/CLAIRE Guidance on Comparing Soil Contamination Data with a Critical Concentration May 2008
STAGE 1 QA CHECK
Are data of acceptable quality Lab sampling errors / eroneous results Are data sufficient to characterise area of interest
No
Review CSM, update sampling and analytical strategy
yes
STAGE 2 DATA SCREENING
Compare all data against GSAC Do any values exceed GSAC?
No
True mean is less than critical concentration No action required
Yes
STAGE 3 ZONING AND OUTLIER CHECK
Plot data on bubble chart Plot histogram Identify and deal with non detects
Outliers
Assess Outliers directly against GSAC
Non detects to DL or DL/2 Remove outliers
STAGE 4 UPPER CONFIDENCE LIMIT
With outliers removed do any values exceed GSAC ?
No
True mean is less than critical concentration No action required
Yes
With outliers removed are data normally Distributed Histogram Shapiro Wilkes test, q-q plot
Normal
Non-normal
Normal Distributed data UCL from Students t-test
Non-normal Distributed data UCL from Chebychev theorem
Compare UCL to GSAC Does UCL exceed GSAC?
No
True mean is less than critical concentration No action required
Yes
true mean is greater than critical concentration Further action required
BWB

Human Health Generic QRA Worksheet

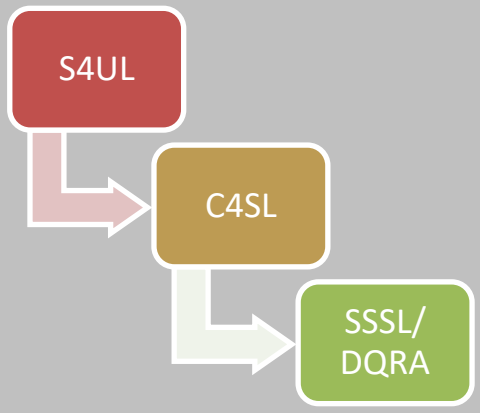
Sandwhich Road, Sholden (Phase 1 Area)	BMW2914
All samples will be assessed as one averaging area.	

Define CSM – Is site represented by a standard land use?

Residential with / without homegrown produce
Commercial / Industrial
Public Open Space - Residential (S4UL/C4SL only)
Public Open Space - Park (S4UL/C4SL only)

GSAC Type (BWB, LQM S4UL, C4SL, Bespoke)	**LQM_CIEH_S4UL**
Key Receptor/CSM (Residential/Commercial/POS)	**S4UL Commercial**
Organic Matter % (If unknown use 1%)	**1**

GSAC Hierarcy



Generic Assessment Criteria Sandwhich Road, Sholden (Phase 1 Area) BMW2914	S4UL Commercial mg/kg	Source
Arsenic	6.40E+02	LQM_CIEH_S4UL
Barium	2.21E+04	LQM_CIEH_S4UL
Beryllium	1.20E+01	LQM_CIEH_S4UL
Boron	2.40E+05	LQM_CIEH_S4UL
Cadmium	1.90E+02	LQM_CIEH_S4UL
Chromium VI	3.30E+01	LQM_CIEH_S4UL
Chromium III	8.60E+03	LQM_CIEH_S4UL
Copper	6.80E+04	LQM_CIEH_S4UL
Lead*	2.33E+03	DEFRA_C4SL
Inorganic Mercury	1.10E+03	LQM_CIEH_S4UL
Nickel	9.80E+02	LQM_CIEH_S4UL
Selenium	1.20E+04	LQM_CIEH_S4UL
Vanadium	9.00E+03	LQM_CIEH_S4UL
Zinc	7.30E+05	LQM_CIEH_S4UL
Cyanide (Free)	4.30E+01	BWB
Cyanide (Complex)	2.13E+02	BWB
Phenols (Total)	4.40E+02	LQM_CIEH_S4UL
Benzene	2.70E+01	LQM_CIEH_S4UL
Toluene	5.60E+04	LQM_CIEH_S4UL
Ethyl benzene	5.70E+03	LQM_CIEH_S4UL
Total Xylene	5.90E+03	LQM_CIEH_S4UL
TPH (EC5-6) aliphatic	3.20E+03	LQM_CIEH_S4UL
TPH (>EC6-8) aliphatic	7.80E+03	LQM_CIEH_S4UL
TPH (>EC8-10) aliphatic	2.00E+03	LQM_CIEH_S4UL
TPH (>EC10-12) aliphatic	9.70E+03	LQM_CIEH_S4UL
TPH (>EC12-16) aliphatic	5.90E+04	LQM_CIEH_S4UL
TPH (>EC16-21) aliphatic	1.60E+06	LQM_CIEH_S4UL
TPH (>EC21-35) aliphatic	1.60E+06	LQM_CIEH_S4UL
TPH (>EC35-44) aliphatic	1.60E+06	LQM_CIEH_S4UL
TPH (>EC6-7) aromatic (benzene)	2.60E+04	LQM_CIEH_S4UL
TPH (>EC7-8) aromatic (toluene)	5.60E+04	LQM_CIEH_S4UL
TPH (>EC8-10) aromatic	3.50E+03	LQM_CIEH_S4UL
TPH (>EC10-12) aromatic	1.60E+04	LQM_CIEH_S4UL
TPH (>EC12-16) aromatic	3.60E+04	LQM_CIEH_S4UL
TPH (>EC16-21) aromatic	2.80E+04	LQM_CIEH_S4UL
TPH (>EC21-35) aromatic	2.80E+04	LQM_CIEH_S4UL
TPH (>EC35-44) aromatic	2.80E+04	LQM_CIEH_S4UL
Total TPH	5.00E+02	LQM_CIEH_S4UL
Naphthalene	1.90E+02	LQM_CIEH_S4UL
Acenaphthylene	8.30E+04	LQM_CIEH_S4UL
Acenaphthene	8.40E+04	LQM_CIEH_S4UL
Fluorene	6.30E+04	LQM_CIEH_S4UL
Phenanthrene	2.20E+04	LQM_CIEH_S4UL
Anthracene	5.20E+05	LQM_CIEH_S4UL
Fluoranthene	2.30E+04	LQM_CIEH_S4UL
Pyrene	5.40E+04	LQM_CIEH_S4UL
Benzo(a)anthracene	1.70E+02	LQM_CIEH_S4UL
Chrysene	3.50E+02	LQM_CIEH_S4UL
Benzo(b)fluoranthene	4.40E+01	LQM_CIEH_S4UL
Benzo(k)fluoranthene	1.20E+03	LQM_CIEH_S4UL
Benzo(a)pyrene	3.50E+01	LQM_CIEH_S4UL
Indeno(1,2,3-c,d)pyrene	5.00E+02	LQM_CIEH_S4UL
Dibenzo(a,h)anthracene	3.50E+00	LQM_CIEH_S4UL
Benzo(g,hi)perylene	3.90E+03	LQM_CIEH_S4UL
Coal Tar (B(a)P as surrogate marker	1.50E+01	LQM_CIEH_S4UL
Tetrachloroethene (PCE)	1.90E+01	LQM_CIEH_S4UL
Trichloroethene (TCE)	1.20E+00	LQM_CIEH_S4UL
cis -1,2-Dichloroethene	1.40E+01	LQM_CIEH_S4UL
Vinyl Chloride (VC)	5.90E-02	LQM_CIEH_S4UL
1,1,2,2-Tetrachloroethane (PCA)	2.70E+02	LQM_CIEH_S4UL
1,1,1-Trichloroethane (TCA)	6.60E+02	LQM_CIEH_S4UL
1,2-Dichloroethane	6.70E-01	LQM_CIEH_S4UL
Carbon Tetrachloride	2.90E+00	LQM_CIEH_S4UL
Carbon disulphide	1.10E+01	LQM_CIEH_S4UL

Location	Sample depth	Arsenic	Barium	Beryllium	Boron	Cadmium	Chromium VI	Chromium III	Copper	Lead	Inorganic Mercury	Nickel	Selenium	Vanadium	Zinc	Cyanide (Free)	Cyanide (Complex)	Phenols (Total)	Total TPH	Naphthalene	Acenaphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene
Detection Limit																											
GSAC		6.40E+02	2.21E+04	1.20E+01	2.40E+05	1.90E+02	3.30E+01	8.60E+03	6.80E+04	2.33E+03	1.10E+03	9.80E+02	1.20E+04	9.00E+03	7.30E+05	4.30E+01	2.13E+02	4.40E+02	5.00E+02	1.90E+02	8.30E+04	8.40E+04	6.30E+04	2.20E+04	5.20E+05	2.30E+04	5.40E+04
TP101	0.50	6.4	40	0.52	1.2	0.4	4	17	6.9	8.7	0.3	13	1	25	38	1	1	1	10	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
TP103	0.20	9.5	63	0.67	2.9	0.6	4	20	16	43	0.3	15	1	31	60	1	1	1	10	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
TP105	0.20	8.3	59	0.67	2.2	0.2	4	20	15	38	0.3	15	1	32	57	1	1	1	10	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
TP106	0.10	9.2	64	0.69	1.8	0.4	4	20	16	52	0.3	15	1	31	61	1	1	1	10	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
TP107	0.70	5.7	41	0.48	1.2	0.4	4	15	5.2	7.7	0.3	11	1	22	35	1	1	1	10	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
TP108	0.20																										
TP108	0.50	7.1	57	0.7	1.3	0.4	4	21	7.9	10	0.3	15	1	30	48	1	1	1	10	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
TP108	1.10	4.7	26	0.36	0.5	0.3	4	11	6.8	5.3	0.3	9.1	1	17	29	1	1	1	10	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
TP109	0.70	6.7	57	0.6	2.3	0.2	4	18	9.4	13	0.3	14	1	27	49	1	1	1	10	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
TP110	1.20	1.2	9.1	0.07	0.2	0.3	4	1.4	1.1	2	0.3	1.4	1	3.3	18	1	1	1	10	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
TP111	0.50	1.6	20	0.23	0.9	0.4	4	6.8	4.2	5.1	0.3	5.3	1	10	25	1	1	1	10	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05

Location	Sample depth	Benzo(a)anthracene	Chrysene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-c,d)pyrene	Dibenzo(a,h)anthracene	Benzo(g,hi)perylene	Benzo(a)pyrene (as surrogate marker)	Tetrachloroethene (PCE)	*Trichloroethene (TCE)*	cis-1,2-Dichloroethene	Vinyl Chloride (VC)	1,1,2,2-Tetrachloroethane (PCA)	1,1,1-Trichloroethane (TCA)	1,2-Dichloroethane	Carbon Tetrachloride
Detection Limit																		
GSAC		1.70E+02	3.50E+02	4.40E+01	1.20E+03	3.50E+01	5.00E+02	3.50E+00	3.90E+03	1.50E+01	1.90E+01	1.20E+00	1.40E+01	5.90E-02	2.70E+02	6.60E+02	6.70E-01	2.90E+00
TP101	0.50	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05								
TP103	0.20	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05								
TP105	0.20	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05								
TP106	0.10	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05								
TP107	0.70	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05								
TP108	0.20																	
TP108	0.50	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05								
TP108	1.10	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05								
TP109	0.70	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05								
TP110	1.20	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05								
TP111	0.50	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05								

Appendix 8: Leachate Assessment Work Sheets

*EQS Standard: Phenol and Benzene annual average of 300µg/l; Toluene 500µg/l for Freshwater, 400µg/l for Saltwater; 1,1,1-TCA 1,000µg/l.

Project Name:	Sholden - Phase 1 Area
Project Number:	BMW2914
Assessment for:	Soil Leachate Assessment
Laboratory:	i2
Receptor:	Drinking Water
Receptor Water Hardness:	<40 (No Data)

BWB
A CAF GROUP COMPANY

	Contaminant	Units	Detection Limit	Guideline Concentration	Source	Number of Samples	Min	Max	No of Exceedences	TP105	TP108
										0.20	0.20
Heavy Metals	Arsenic	µg/l	1	10	UK DWS	2	2.80	6.00	0	6.0	2.8
	Barium	mg/l	0.05	700	UK DWS	2	9.10	13.00	0	9.1	13
	Beryllium	µg/l	0.2	None Available		2	0.50	0.70	0	0.5	0.7
	Cadmium	µg/l	0.08	3	UK DWS	2	< 0.08	< 0.08	0	< 0.08	< 0.08
	Chromium III	µg/l	0.4	4.7	UK DWS	2	0.70	1.00	0	0.7	1.0
	Copper	µg/l	0.7	2000	UK DWS	2	27.00	28.00	0	27	28
	Lead	µg/l	1	10	UK DWS	2	< 1.0	1.40	0	1.4	< 1.0
	Mercury	µg/l	0.5	1	UK DWS	2	< 0.5	< 0.5	0	< 0.5	< 0.5
	Nickel	µg/l	0.3	20	UK DWS	2	2.70	2.80	0	2.7	2.8
	Selenium	µg/l	4	10	UK DWS	2	< 4.0	< 4.0	0	< 4.0	< 4.0
	Vanadium	µg/l	1.7	None Available		2	< 1.7	< 1.7	0	< 1.7	< 1.7
	Zinc	µg/l	0.4	10.9	EQS Freshwater	2	8.00	12.00	0	8.0	12
	Sulphate	mg/l	0.1	400	EQS Freshwater	2	4.50	4.60	0	4.5	4.6
	Boron	µg/l	10	300	UK DWS	2	48.00	82.00	0	48	82
	pH					2	7.90	7.80	0	7.9	7.8
Inorganics	Cyanide (total)	µg/l	10	70	UK DWS	2	< 10	< 10	0	< 10	< 10
	Phenol*	µg/l		7.7	EQS Freshwater	0	0.00	0.00	0		
	Ammonia (NH3 as N)	mg/l		0.015	EQS Freshwater	0	0.00	0.00	0		

Appendix 9: Hazwaste Online Results

HazWasteOnline™

Waste Classification Report

HazWasteOnline™ classifies waste as either **hazardous** or **non-hazardous** based on its chemical composition, related legislation and the rules and data defined in the current UK or EU technical guidance (Appendix C) (note that HP 9 Infectious is not assessed). It is the responsibility of the classifier named below to:

a) understand the origin of the waste
b) select the correct List of Waste code(s)
c) confirm that the list of determinands, results and sampling plan are fit for purpose
d) select and justify the chosen metal species (Appendix B)
e) correctly apply moisture correction and other available corrections
f) add the meta data for their user-defined substances (Appendix A)
g) check that the classification engine is suitable with respect to the national destination of the waste (Appendix C)

To aid the reviewer, the laboratory results, assumptions and justifications managed by the classifier are highlighted in pale yellow.

67OBR-ICB72-1VSZ4

Job name

BMW2914 Sholden

Description/Comments

Project

BMW2914 Sholden

Site

BMW2914 Sholden

Classified by

Name:
Richard Robinson
Date:
23 Aug 2021 17:14 GMT
Telephone:
0115 924 1100

Company:
BWB Consulting Ltd
Waterfront House, Station Street
Nottingham
NG2 3DQ

HazWasteOnline™ provides a two day, hazardous waste classification course that covers the use of the software and both basic and advanced waste classification techniques. Certification has to be renewed every 3 years.

HazWasteOnline™ Certification: -

Course	Date
Hazardous Waste Classification	08 Dec 2016
3 year Refresher overdue	-

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	TP101	0.50	Non Hazardous		2
2	TP103	0.20	Non Hazardous		4
3	TP105	0.20	Non Hazardous		6
4	TP106	0.10	Non Hazardous		8
5	TP107	0.70	Non Hazardous		10
6	TP108[2]	0.50	Non Hazardous		12
7	TP108[3]	1.10	Non Hazardous		14
8	TP109	0.70	Non Hazardous		16
9	TP110	1.20	Non Hazardous		18
10	TP111	0.50	Non Hazardous		20

Related documents

#	Name	Description
1	BWB Contaminated Land Suite WM3	waste stream template used to create this Job

Report

Created by: Richard Robinson

Created date: 23 Aug 2021 17:14 GMT

Appendices	Page
Appendix A: Classifier defined and non CLP determinands	22
Appendix B: Rationale for selection of metal species	23
Appendix C: Version	23

Classification of sample: TP101

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP101
Sample Depth:
0.50 m
Moisture content:
13%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 13% No Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		6.4 mg/kg	1.32	8.45 mg/kg	0.000845 %		
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.52 mg/kg	2.775	1.443 mg/kg	0.000144 %		
3	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		1.2 mg/kg	13.43	16.116 mg/kg	0.00161 %		
4	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.4 mg/kg	1.285	0.514 mg/kg	0.00004 %		
5	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		17 mg/kg	1.462	24.846 mg/kg	0.00248 %		
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		6.9 mg/kg	1.126	7.769 mg/kg	0.000777 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	8.7 mg/kg	1.56	13.57 mg/kg	0.00087 %		
8	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<**LOD**
9	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		13 mg/kg	1.579	20.533 mg/kg	0.00205 %		
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
11	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		38 mg/kg	2.774	105.418 mg/kg	0.0105 %		
12	pH			PH		8.3 pH		8.3 pH	8.3 pH		
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<**LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
14		TPH (C6 to C40) petroleum group		TPH		<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
15		acenaphthene	201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
16		acenaphthylene	205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
17		anthracene	204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
18		benzo[a]anthracene											
		601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
19		benzo[a]pyrene; benzo[def]chrysene											
		601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
20		benzo[b]fluoranthene											
		601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
21		benzo[ghi]perylene	205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
22		benzo[k]fluoranthene											
		601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
23		chrysene											
		601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
24		dibenz[a,h]anthracene											
		601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
25		fluoranthene	205-912-4	206-44-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
26		fluorene	201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
27		indeno[123-cd]pyrene	205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
28		naphthalene											
		601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
29		phenanthrene	201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
30		pyrene	204-927-3	129-00-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
31		phenol											
		604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
										Total:	0.0209 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP103

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP103
Sample Depth:
0.20 m
Moisture content:
13%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 13% No Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		9.5 mg/kg	1.32	12.543 mg/kg	0.00125 %		
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.67 mg/kg	2.775	1.859 mg/kg	0.000186 %		
3	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		2.9 mg/kg	13.43	38.947 mg/kg	0.00389 %		
4	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.6 mg/kg	1.285	0.771 mg/kg	0.00006 %		
5	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		20 mg/kg	1.462	29.231 mg/kg	0.00292 %		
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		16 mg/kg	1.126	18.014 mg/kg	0.0018 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	43 mg/kg	1.56	67.072 mg/kg	0.0043 %		
8	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<**LOD**
9	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		15 mg/kg	1.579	23.692 mg/kg	0.00237 %		
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
11	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		60 mg/kg	2.774	166.449 mg/kg	0.0166 %		
12	pH			PH		8.5 pH		8.5 pH	8.5 pH		
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<**LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
14		TPH (C6 to C40) petroleum group		TPH		<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
15		acenaphthene	201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16		acenaphthylene	205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
17		anthracene	204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
18		benzo[a]anthracene											
		601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19		benzo[a]pyrene; benzo[def]chrysene											
		601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20		benzo[b]fluoranthene											
		601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21		benzo[ghi]perylene	205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22		benzo[k]fluoranthene											
		601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
23		chrysene											
		601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
24		dibenz[a,h]anthracene											
		601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		fluoranthene	205-912-4	206-44-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
26		fluorene	201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
27		indeno[123-cd]pyrene	205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28		naphthalene											
		601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29		phenanthrene	201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
30		pyrene	204-927-3	129-00-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
31		phenol											
		604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
										Total:	0.035 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP105

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP105
Sample Depth:
0.20 m
Moisture content:
15%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 15% No Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		8.3 mg/kg	1.32	10.959 mg/kg	0.0011 %		
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.67 mg/kg	2.775	1.859 mg/kg	0.000186 %		
3	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		2.2 mg/kg	13.43	29.546 mg/kg	0.00295 %		
4	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
5	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		20 mg/kg	1.462	29.231 mg/kg	0.00292 %		
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		15 mg/kg	1.126	16.888 mg/kg	0.00169 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	38 mg/kg	1.56	59.273 mg/kg	0.0038 %		
8	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
9	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		15 mg/kg	1.579	23.692 mg/kg	0.00237 %		
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
11	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		57 mg/kg	2.774	158.126 mg/kg	0.0158 %		
12	pH			PH		8.4 pH		8.4 pH	8.4 pH		
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
14		TPH (C6 to C40) petroleum group		TPH		<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
15		acenaphthene	201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16		acenaphthylene	205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
17		anthracene	204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
18		benzo[a]anthracene											
		601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19		benzo[a]pyrene; benzo[def]chrysene											
		601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20		benzo[b]fluoranthene											
		601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21		benzo[ghi]perylene	205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22		benzo[k]fluoranthene											
		601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
23		chrysene											
		601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
24		dibenz[a,h]anthracene											
		601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		fluoranthene	205-912-4	206-44-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
26		fluorene	201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
27		indeno[123-cd]pyrene	205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28		naphthalene											
		601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29		phenanthrene	201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
30		pyrene	204-927-3	129-00-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
31		phenol											
		604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
										Total:	0.0324 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP106

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP106
Sample Depth:
0.10 m
Moisture content:
15%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 15% No Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		9.2 mg/kg	1.32	12.147 mg/kg	0.00121 %		
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.69 mg/kg	2.775	1.915 mg/kg	0.000191 %		
3	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		1.8 mg/kg	13.43	24.174 mg/kg	0.00242 %		
4	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.4 mg/kg	1.285	0.514 mg/kg	0.00004 %		
5	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		20 mg/kg	1.462	29.231 mg/kg	0.00292 %		
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		16 mg/kg	1.126	18.014 mg/kg	0.0018 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	52 mg/kg	1.56	81.11 mg/kg	0.0052 %		
8	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<**LOD**
9	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		15 mg/kg	1.579	23.692 mg/kg	0.00237 %		
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
11	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		61 mg/kg	2.774	169.223 mg/kg	0.0169 %		
12	pH			PH		8.3 pH		8.3 pH	8.3 pH		
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<**LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
14		TPH (C6 to C40) petroleum group		TPH		<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
15		acenaphthene	201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16		acenaphthylene	205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
17		anthracene	204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
18		benzo[a]anthracene											
		601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19		benzo[a]pyrene; benzo[def]chrysene											
		601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20		benzo[b]fluoranthene											
		601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21		benzo[ghi]perylene	205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22		benzo[k]fluoranthene											
		601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
23		chrysene											
		601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
24		dibenz[a,h]anthracene											
		601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		fluoranthene	205-912-4	206-44-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
26		fluorene	201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
27		indeno[123-cd]pyrene	205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28		naphthalene											
		601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29		phenanthrene	201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
30		pyrene	204-927-3	129-00-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
31		phenol											
		604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
										Total:	0.0346 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP107

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP107
Sample Depth:
0.70 m
Moisture content:
13%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 13% No Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		5.7 mg/kg	1.32	7.526 mg/kg	0.000753 %		
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.48 mg/kg	2.775	1.332 mg/kg	0.000133 %		
3	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		1.2 mg/kg	13.43	16.116 mg/kg	0.00161 %		
4	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.4 mg/kg	1.285	0.514 mg/kg	0.00004 %		
5	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		15 mg/kg	1.462	21.923 mg/kg	0.00219 %		
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		5.2 mg/kg	1.126	5.855 mg/kg	0.000585 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	7.7 mg/kg	1.56	12.011 mg/kg	0.00077 %		
8	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<**LOD**
9	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		11 mg/kg	1.579	17.374 mg/kg	0.00174 %		
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
11	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		35 mg/kg	2.774	97.095 mg/kg	0.00971 %		
12	pH			PH		8.5 pH		8.5 pH	8.5 pH		
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<**LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
14		TPH (C6 to C40) petroleum group		TPH		<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
15		acenaphthene	201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16		acenaphthylene	205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
17		anthracene	204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
18		benzo[a]anthracene											
		601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19		benzo[a]pyrene; benzo[def]chrysene											
		601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20		benzo[b]fluoranthene											
		601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21		benzo[ghi]perylene	205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22		benzo[k]fluoranthene											
		601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
23		chrysene											
		601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
24		dibenz[a,h]anthracene											
		601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		fluoranthene	205-912-4	206-44-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
26		fluorene	201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
27		indeno[123-cd]pyrene	205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28		naphthalene											
		601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29		phenanthrene	201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
30		pyrene	204-927-3	129-00-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
31		phenol											
		604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
										Total:	0.0191 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP108[2]

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP108[2]
Sample Depth:
0.50 m
Moisture content:
8.2%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 8.2% No Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		7.1 mg/kg	1.32	9.374 mg/kg	0.000937 %		
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.7 mg/kg	2.775	1.943 mg/kg	0.000194 %		
3	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		1.3 mg/kg	13.43	17.459 mg/kg	0.00175 %		
4	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.4 mg/kg	1.285	0.514 mg/kg	0.00004 %		
5	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		21 mg/kg	1.462	30.693 mg/kg	0.00307 %		
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		7.9 mg/kg	1.126	8.895 mg/kg	0.000889 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	10 mg/kg	1.56	15.598 mg/kg	0.001 %		
8	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<**LOD**
9	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		15 mg/kg	1.579	23.692 mg/kg	0.00237 %		
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
11	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		48 mg/kg	2.774	133.159 mg/kg	0.0133 %		
12	pH			PH		8.5 pH		8.5 pH	8.5 pH		
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<**LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
14		TPH (C6 to C40) petroleum group		TPH		<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
15		acenaphthene	201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16		acenaphthylene	205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
17		anthracene	204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
18		benzo[a]anthracene											
		601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19		benzo[a]pyrene; benzo[def]chrysene											
		601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20		benzo[b]fluoranthene											
		601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21		benzo[ghi]perylene	205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22		benzo[k]fluoranthene											
		601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
23		chrysene											
		601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
24		dibenz[a,h]anthracene											
		601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		fluoranthene	205-912-4	206-44-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
26		fluorene	201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
27		indeno[123-cd]pyrene	205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28		naphthalene											
		601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29		phenanthrene	201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
30		pyrene	204-927-3	129-00-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
31		phenol											
		604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
										Total:	0.0251 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP108[3]

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP108[3]
Sample Depth:
1.10 m
Moisture content:
13%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 13% No Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		4.7 mg/kg	1.32	6.206 mg/kg	0.000621 %		
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.36 mg/kg	2.775	0.999 mg/kg	0.0000999 %		
3	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.5 mg/kg	13.43	6.715 mg/kg	0.000672 %		
4	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.3 mg/kg	1.285	0.386 mg/kg	0.00003 %		
5	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		11 mg/kg	1.462	16.077 mg/kg	0.00161 %		
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		6.8 mg/kg	1.126	7.656 mg/kg	0.000766 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	5.3 mg/kg	1.56	8.267 mg/kg	0.00053 %		
8	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<**LOD**
9	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		9.1 mg/kg	1.579	14.373 mg/kg	0.00144 %		
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
11	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		29 mg/kg	2.774	80.45 mg/kg	0.00805 %		
12	pH			PH		8.7 pH		8.7 pH	8.7 pH		
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<**LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
14		TPH (C6 to C40) petroleum group		TPH		<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
15		acenaphthene	201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16		acenaphthylene	205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
17		anthracene	204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
18		benzo[a]anthracene											
		601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19		benzo[a]pyrene; benzo[def]chrysene											
		601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20		benzo[b]fluoranthene											
		601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21		benzo[ghi]perylene	205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22		benzo[k]fluoranthene											
		601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
23		chrysene											
		601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
24		dibenz[a,h]anthracene											
		601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		fluoranthene	205-912-4	206-44-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
26		fluorene	201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
27		indeno[123-cd]pyrene	205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28		naphthalene											
		601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29		phenanthrene	201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
30		pyrene	204-927-3	129-00-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
31		phenol											
		604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
										Total:	0.0154 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP109

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP109
Sample Depth:
0.70 m
Moisture content:
12%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 12% No Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		6.7 mg/kg	1.32	8.846 mg/kg	0.000885 %		
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.6 mg/kg	2.775	1.665 mg/kg	0.000167 %		
3	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		2.3 mg/kg	13.43	30.889 mg/kg	0.00309 %		
4	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
5	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		18 mg/kg	1.462	26.308 mg/kg	0.00263 %		
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		9.4 mg/kg	1.126	10.583 mg/kg	0.00106 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	13 mg/kg	1.56	20.278 mg/kg	0.0013 %		
8	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
9	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		14 mg/kg	1.579	22.113 mg/kg	0.00221 %		
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
11	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		49 mg/kg	2.774	135.933 mg/kg	0.0136 %		
12	pH			PH		8.5 pH		8.5 pH	8.5 pH		
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
14		TPH (C6 to C40) petroleum group		TPH		<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
15		acenaphthene	201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
16		acenaphthylene	205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
17		anthracene	204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
18		benzo[a]anthracene											
		601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
19		benzo[a]pyrene; benzo[def]chrysene											
		601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
20		benzo[b]fluoranthene											
		601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
21		benzo[ghi]perylene	205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
22		benzo[k]fluoranthene											
		601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
23		chrysene											
		601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
24		dibenz[a,h]anthracene											
		601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
25		fluoranthene	205-912-4	206-44-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
26		fluorene	201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
27		indeno[123-cd]pyrene	205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
28		naphthalene											
		601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
29		phenanthrene	201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
30		pyrene	204-927-3	129-00-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
31		phenol											
		604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
										Total:	0.0265 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP110

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP110
Sample Depth:
1.20 m
Moisture content:
20%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 20% No Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		1.2	mg/kg	1.32	1.584	mg/kg	0.000158 %		
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.07	mg/kg	2.775	0.194	mg/kg	0.0000194 %		
3	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		<0.2	mg/kg	13.43	<2.686	mg/kg	<0.000269 %		<**LOD**
4	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.3	mg/kg	1.285	0.386	mg/kg	0.00003 %		
5	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		1.4	mg/kg	1.462	2.046	mg/kg	0.000205 %		
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		1.1	mg/kg	1.126	1.238	mg/kg	0.000124 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	2	mg/kg	1.56	3.12	mg/kg	0.0002 %		
8	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
9	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		1.4	mg/kg	1.579	2.211	mg/kg	0.000221 %		
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
11	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		18	mg/kg	2.774	49.935	mg/kg	0.00499 %		
12	pH			PH		8.9	pH		8.9	pH	8.9 pH		
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
14		TPH (C6 to C40) petroleum group		TPH		<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
15		acenaphthene	201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
16		acenaphthylene	205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
17		anthracene	204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
18		benzo[a]anthracene											
		601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
19		benzo[a]pyrene; benzo[def]chrysene											
		601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
20		benzo[b]fluoranthene											
		601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
21		benzo[ghi]perylene	205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
22		benzo[k]fluoranthene											
		601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
23		chrysene											
		601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
24		dibenz[a,h]anthracene											
		601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
25		fluoranthene	205-912-4	206-44-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
26		fluorene	201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
27		indeno[123-cd]pyrene	205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
28		naphthalene											
		601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
29		phenanthrene	201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
30		pyrene	204-927-3	129-00-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
31		phenol											
		604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
										Total:	0.00777 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP111

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP111
Sample Depth:
0.50 m
Moisture content:
13%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 13% No Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		1.6 mg/kg	1.32	2.113 mg/kg	0.000211 %		
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.23 mg/kg	2.775	0.638 mg/kg	0.0000638 %		
3	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.9 mg/kg	13.43	12.087 mg/kg	0.00121 %		
4	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.4 mg/kg	1.285	0.514 mg/kg	0.00004 %		
5	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		6.8 mg/kg	1.462	9.939 mg/kg	0.000994 %		
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		4.2 mg/kg	1.126	4.729 mg/kg	0.000473 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	5.1 mg/kg	1.56	7.955 mg/kg	0.00051 %		
8	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<**LOD**
9	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		5.3 mg/kg	1.579	8.371 mg/kg	0.000837 %		
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
11	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		25 mg/kg	2.774	69.354 mg/kg	0.00694 %		
12	pH			PH		9 pH		9 pH	9pH		
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<**LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
14		TPH (C6 to C40) petroleum group		TPH		<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
15		acenaphthene	201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16		acenaphthylene	205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
17		anthracene	204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
18		benzo[a]anthracene											
		601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19		benzo[a]pyrene; benzo[def]chrysene											
		601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20		benzo[b]fluoranthene											
		601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21		benzo[ghi]perylene	205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22		benzo[k]fluoranthene											
		601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
23		chrysene											
		601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
24		dibenz[a,h]anthracene											
		601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		fluoranthene	205-912-4	206-44-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
26		fluorene	201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
27		indeno[123-cd]pyrene	205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28		naphthalene											
		601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29		phenanthrene	201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
30		pyrene	204-927-3	129-00-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
31		phenol											
		604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
										Total:	0.0128 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Appendix A: Classifier defined and non CLP determinands

- **boron tribromide/trichloride/trifluoride (combined)** (CAS Number: 10294-33-4, 10294-34-5, 7637-07-2)

Description/Comments: Combines the hazard statements and the average of the conversion factors for boron tribromide, boron trichloride and boron trifluoride
Data source: N/A
Data source date: 06 Aug 2015
Hazard Statements: EUH014 , Acute Tox. 2 H330 , Acute Tox. 2 H300 , Skin Corr. 1A H314 , Skin Corr. 1B H314

- **chromium(III) oxide (worst case)** (EC Number: 215-160-9, CAS Number: 1308-38-9)

Description/Comments: Data from C&L Inventory Database
Data source: https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/33806
Data source date: 17 Jul 2015
Hazard Statements: Acute Tox. 4 H332 , Acute Tox. 4 H302 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Skin Irrit. 2 H315 , Resp. Sens. 1 H334 , Skin Sens. 1 H317 , Repr. 1B H360FD , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

- **pH** (CAS Number: PH)

Description/Comments: Appendix C4
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: None.

- **salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex**

CLP index number: 006-007-00-5
Description/Comments: Conversion factor based on a worst case compound: sodium cyanide
Data source: Commission Regulation (EC) No 790/2009 - 1st Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP1)
Additional Hazard Statement(s): EUH032 >= 0.2 %
Reason for additional Hazards Statement(s):
14 Dec 2015 - EUH032 >= 0.2 % hazard statement sourced from: WM3, Table C12.2

- **TPH (C6 to C40) petroleum group** (CAS Number: TPH)

Description/Comments: Hazard statements taken from WM3 1st Edition 2015; Risk phrases: WM2 3rd Edition 2013
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: Flam. Liq. 3 H226 , Asp. Tox. 1 H304 , STOT RE 2 H373 , Muta. 1B H340 , Carc. 1B H350 , Repr. 2 H361d , Aquatic Chronic 2 H411

- **acenaphthene** (EC Number: 201-469-6, CAS Number: 83-32-9)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2 H319 , STOT SE 3 H335 , Skin Irrit. 2 H315 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410 , Aquatic Chronic 2 H411

- **acenaphthylene** (EC Number: 205-917-1, CAS Number: 208-96-8)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Acute Tox. 4 H302 , Acute Tox. 1 H330 , Acute Tox. 1 H310 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Skin Irrit. 2 H315

- **anthracene** (EC Number: 204-371-1, CAS Number: 120-12-7)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2 H319 , STOT SE 3 H335 , Skin Irrit. 2 H315 , Skin Sens. 1 H317 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

- **benzo[ghi]perylene** (EC Number: 205-883-8, CAS Number: 191-24-2)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 28/02/2015
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 23 Jul 2015
Hazard Statements: Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

- **fluoranthene** (EC Number: 205-912-4, CAS Number: 206-44-0)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 21 Aug 2015
Hazard Statements: Acute Tox. 4 H302 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

fluorene (EC Number: 201-695-5, CAS Number: 86-73-7)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

indeno[123-cd]pyrene (EC Number: 205-893-2, CAS Number: 193-39-5)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Carc. 2 H351

phenanthrene (EC Number: 201-581-5, CAS Number: 85-01-8)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Acute Tox. 4 H302 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Carc. 2 H351 , Skin Sens. 1 H317 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410 , Skin Irrit. 2 H315

pyrene (EC Number: 204-927-3, CAS Number: 129-00-0)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 2014
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 21 Aug 2015
Hazard Statements: Skin Irrit. 2 H315 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

Appendix B: Rationale for selection of metal species

arsenic {arsenic trioxide}

Worst case species based on risk phrases

beryllium {beryllium oxide}

Worst case species based on risk phrases

boron {boron tribromide/trichloride/trifluoride (combined)}

Worst case species based on risk phrases

cadmium {cadmium sulfide}

Worst case species based on risk phrases

chromium {chromium(III) oxide (worst case)}

No chromium VI present

copper {dicopper oxide; copper (I) oxide}

Most likely common species

lead {lead chromate}

Worst case species based on risk phrases

mercury {mercury dichloride}

Worst case species based on risk phrases

nickel {nickel dihydroxide}

Worst case species based on risk phrases

selenium {selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex}

Worst case species based on risk phrases

zinc {zinc chromate}

Worst case species based on risk phrases

cyanides {salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex}

Worst case species

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.1, May 2018
HazWasteOnline Classification Engine Version: 2021.222.4848.9214 (10 Aug 2021)
HazWasteOnline Database: 2021.222.4848.9214 (10 Aug 2021)

This classification utilises the following guidance and legislation:
WM3 v1.1 - Waste Classification - 1st Edition v1.1 - May 2018
CLP Regulation - Regulation 1272/2008/EC of 16 December 2008
1st ATP - Regulation 790/2009/EC of 10 August 2009
2nd ATP - Regulation 286/2011/EC of 10 March 2011
3rd ATP - Regulation 618/2012/EU of 10 July 2012
4th ATP - Regulation 487/2013/EU of 8 May 2013
Correction to 1st ATP - Regulation 758/2013/EU of 7 August 2013
5th ATP - Regulation 944/2013/EU of 2 October 2013
6th ATP - Regulation 605/2014/EU of 5 June 2014
WFD Annex III replacement - Regulation 1357/2014/EU of 18 December 2014
Revised List of Waste 2014 - Decision 2014/955/EU of 18 December 2014
7th ATP - Regulation 2015/1221/EU of 24 July 2015
8th ATP - Regulation (EU) 2016/918 of 19 May 2016
9th ATP - Regulation (EU) 2016/1179 of 19 July 2016
10th ATP - Regulation (EU) 2017/776 of 4 May 2017
HP14 amendment - Regulation (EU) 2017/997 of 8 June 2017
13th ATP - Regulation (EU) 2018/1480 of 4 October 2018
14th ATP - Regulation (EU) 2020/217 of 4 October 2019
15th ATP - Regulation (EU) 2020/1182 of 19 May 2020
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit) Regulations 2019 - UK: 2019 No. 720 of 27th March 2019
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1567 of 16th December 2020
The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1540 of 16th December 2020
POPs Regulation 2019 - Regulation (EU) 2019/1021 of 20 June 2019

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