



**British Geological Survey**  
NATURAL ENVIRONMENT RESEARCH COUNCIL

# Geology of Britain viewer

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Surface Geology

3D Models

**Borehole Scans**

Earthquake Timeline

NS35SW1740

## Borehole Scans

Click on a borehole to view scan.

### Borehole depth

- 0 - 10m
- 10 - 30m
- 30m+
- Unknown
- Confidential or Restricted

[More on boreholes](#)



**Appendix 6**

**Records of Exploratory Holes**



SKF Ltd, Constablewood Estate, Brisbane Glen, Largs  
 Tel: 07795 493892 Email: SKFLTD@BTINTERNET.COM

**BOREHOLE NO. BH01**

Contract: **LONGBAR, GLENGARNOCK**

Contract No: **2968**

Status: **FINAL**

Client: **MASON EVANS PARTNERSHIP**

Boring Diameter: **115MM**

Co-ordinates **E**

Date: **08/12/2017**

Equipment: **PREMIER BADGER**

**N**

Description of Strata	Legend	Depth	Level	Sampling	SPT Blows U Blows Hand Vane	Pipe
Ground Surface						
MADE GROUND: Topsoil / long grass. [GL-0.30]		0.30		DJ 0.20		
Stiff brown and grey becoming grey sandy gravelly CLAY. Gravel fine to coarse and angular to sub rounded. Locally firm to stiff at top.		2.30		DJ 0.50  DJ 1.00 SPT 1.00-1.45 U86 1.00-2.00	1,2,1,2,2,3	
Recovered as light grey sandy fine to coarse angular gravel of SANDSTONE. Presumed bedrock.		2.50		D 2.00 SPT 2.00-2.45	2,3,3,3,11,75	

<b>Water Strikes</b> Strike: DRY Flow:		<b>Details</b> Casing: 2.00 Final Depth: 2.50		<b>SYMBOLS KEY</b> B - BULK NR - NO RECOVERY U - UNDISTURBED * - ESTIMATED DENSITY D - SMALL DISTURBED HV - HAND VANE J - JAR V - VIAL W - WATER  ALL DIMENSIONS ARE IN METRES
Inspection Pit: 0.30 X 0.30 X 1.00 Breaking Out / Coring: Installation: Standpipe 50mm diameter installed to 2.00m. Notes:				
Logged by: EM		Checked by: SKF		



SKF Ltd, Constablewood Estate, Brisbane Glen, Largs  
 Tel: 07795 493892 Email: SKFLTD@BTINTERNET.COM

**BOREHOLE NO. BH02**

Contract: **LONGBAR, GLENGARNOCK**

Contract No: **2968**

Status: **FINAL**

Client: **MASON EVANS PARTNERSHIP**

Boring Diameter: **115MM**

Co-ordinates **E**

Date: **08/12/2017**

Equipment: **PREMIER BADGER**

**N**

Description of Strata	Legend	Depth	Level	Sampling	SPT Blows U Blows Hand Vane	Pipe
Ground Surface						
MADE GROUND: Topsoil / long grass. [GL-0.30]		0.30		DJ 0.20		
Soft locally soft to firm brown sandy gravelly CLAY. Gravel fine to coarse and angular to sub rounded. Occasional cobbles. Silty at base. At 1.20m and 2.00m sandstone cobbles.		2.20		DJ 0.50  DJ 1.00 SPT 1.00-1.45 U86 1.00-2.00  D 2.00 SPT 2.00-2.45	1,2,2,1,1,1     4,5,8,17,26,47	
Recovered as grey sandy fine to coarse angular gravel of SANDSTONE. Presumed bedrock.		2.50				

<b>Water Strikes</b> Strike: DRY Flow:		<b>Details</b> Casing: 2.00 Final Depth: 2.50		<b>SYMBOLS KEY</b>	
Inspection Pit: 0.30 X 0.30 X 1.00 Breaking Out / Coring: Installation: Standpipe 50mm diameter installed to 2.00m. Notes:				B - BULK NR - NO RECOVERY U - UNDISTURBED * - ESTIMATED DENSITY D - SMALL DISTURBED HV - HAND VANE J - JAR V - VIAL W - WATER	
Logged by: EM		Checked by: SKF		ALL DIMENSIONS ARE IN METRES	



SKF Ltd, Constablewood Estate, Brisbane Glen, Largs  
 Tel: 07795 493892 Email: SKFLTD@BTINTERNET.COM

**BOREHOLE NO. BH03**

Contract: **LONGBAR, GLENGARNOCK**

Contract No: **2968**

Status: **FINAL**

Client: **MASON EVANS PARTNERSHIP**

Boring Diameter: **115MM**

Co-ordinates **E**

Date: **08/12/2017**

Equipment: **PREMIER BADGER**

**N**

Description of Strata	Legend	Depth	Level	Sampling	SPT Blows U Blows Hand Vane	Pipe
Ground Surface						
MADE GROUND: Topsoil / long grass. [GL-0.20]		0.20				
Firm brown and brown slightly mottled orange and grey sandy slightly gravelly CLAY. Gravel fine to coarse and angular to sub rounded. Firm to stiff at base.		1.30		DJ 0.20 DJ 0.50 DJ 1.00 SPT 1.00-1.45	3,3,5,7,15,45	
Recovered as dark grey slightly clayey sandy fine to coarse angular gravel of MUDSTONE. Crumbles into clayey sand. Presumed bedrock.		1.50				

<b>Water Strikes</b> Strike: DRY      Flow:		<b>Details</b> Casing: 1.00      Final Depth: 1.50		<b>SYMBOLS KEY</b>  B - BULK      NR - NO RECOVERY U - UNDISTURBED      * - ESTIMATED DENSITY D - SMALL DISTURBED      HV - HAND VANE J - JAR V - VIAL W - WATER  ALL DIMENSIONS ARE IN METRES
Inspection Pit: 0.30 X 0.30 X 1.00 Breaking Out / Coring: Installation: Standpipe 50mm diameter installed to 1.00m. Notes:				
Logged by: EM		Checked by: SKF		



SKF Ltd, Constablewood Estate, Brisbane Glen, Largs  
 Tel: 07795 493892 Email: SKFLTD@BTINTERNET.COM

**BOREHOLE NO. BH04**

Contract: **LONGBAR, GLENGARNOCK**

Contract No: **2968**

Status: **FINAL**

Client: **MASON EVANS PARTNERSHIP**

Boring Diameter: **115MM**

Co-ordinates **E**

Date: **08/12/2017**

Equipment: **PREMIER BADGER**

**N**

Description of Strata	Legend	Depth	Level	Sampling	SPT Blows U Blows Hand Vane	Pipe
Ground Surface						
MADE GROUND: Topsoil / long grass.[GL-0.25]		0.25		DJ 0.20		
Soft brown sandy gravelly CLAY. Gravel fine to coarse and angular to sub rounded. Occasional cobbles.		0.70		DJ 0.50		
Soft becoming firm brown and grey sandy slightly gravelly CLAY. Gravel fine to coarse and angular to sub rounded. Occasional cobbles.		1.30		DJ 1.00 SPT 1.00-1.45	2,3,4,6,25,130	
Recovered as light grey sandy fine to coarse angular gravel of SANDSTONE. Presumed bedrock.		1.50				

<b>Water Strikes</b> Strike: DRY      Flow:		<b>Details</b> Casing: 1.00      Final Depth: 1.50		<b>SYMBOLS KEY</b>  B - BULK                      NR - NO RECOVERY U - UNDISTURBED            * - ESTIMATED DENSITY D - SMALL DISTURBED      HV - HAND VANE J - JAR V - VIAL W - WATER  ALL DIMENSIONS ARE IN METRES
Inspection Pit: 0.30 X 0.30 X 1.00 Breaking Out / Coring: Installation: Standpipe 50mm diameter installed to 1.00m. Notes:				
Logged by: EM		Checked by: SKF		



SKF Ltd, Constablewood Estate, Brisbane Glen, Largs  
 Tel: 07795 493892 Email: SKFLTD@BTINTERNET.COM

**BOREHOLE NO. BH05**

Contract: **LONGBAR, GLENGARNOCK**

Contract No: **2968**

Status: **FINAL**

Client: **MASON EVANS PARTNERSHIP**

Boring Diameter: **115MM**

Co-ordinates **E**

Date: **08/12/2017**

Equipment: **PREMIER BADGER**

**N**

Description of Strata	Legend	Depth	Level	Sampling	SPT Blows U Blows Hand Vane	Pipe
Ground Surface						
MADE GROUND: Topsoil / long grass. [GL-0.30]		0.30		DJ 0.20		
Firm light brown and light grey silty sandy CLAY.		0.60		DJ 0.50		
Soft becoming firm light brown and slightly orange brown sandy slightly gravelly CLAY. Gravel fine to coarse and angular to sub rounded.		1.10		DJ 1.00 SPT 1.00-1.30	5,5,16,85	
Recovered as light grey sandy fine to coarse angular gravel of SANDSTONE. Presumed bedrock.		1.30				

<b>Water Strikes</b> Strike: DRY      Flow:		<b>Details</b> Casing: 1.00      Final Depth: 1.30		<b>SYMBOLS KEY</b>  B - BULK                      NR - NO RECOVERY U - UNDISTURBED            * - ESTIMATED DENSITY D - SMALL DISTURBED      HV - HAND VANE J - JAR V - VIAL W - WATER
Inspection Pit: 0.30 X 0.30 X 1.00 Breaking Out / Coring: Installation: Standpipe 50mm diameter installed to 1.00m. Notes:				
Logged by: EM		Checked by: SKF		

ALL DIMENSIONS ARE IN METRES



SKF Ltd, Constablewood Estate, Brisbane Glen, Largs  
 Tel: 07795 493892 Email: SKFLTD@BTINTERNET.COM

**BOREHOLE NO. BH06**

Contract: **LONGBAR, GLENGARNOCK**

Contract No: **2968**

Status: **FINAL**

Client: **MASON EVANS PARTNERSHIP**

Boring Diameter: **115MM**

Co-ordinates **E**

Date: **08/12/2017**

Equipment: **PREMIER BADGER**

**N**

Description of Strata	Legend	Depth	Level	Sampling	SPT Blows U Blows Hand Vane	Pipe
Ground Surface						
MADE GROUND: Topsoil / long grass. [GL-0.30]		0.30		DJ 0.20		
Firm brown and grey sandy slightly gravelly CLAY. Gravel fine to coarse and angular to sub rounded.		0.70		DJ 0.50		
Soft brown and grey sandy gravelly CLAY. Gravel fine to coarse and angular to sub angular and predominantly of mudstone.		1.80		DJ 1.00 SPT 1.00-1.45 U86 1.00-2.00	1,2,1,1,1,1	
Stiff grey sandy gravelly CLAY. Gravel fine to coarse and angular to sub rounded. Occasional mudstone cobbles.		3.00		D 2.00 SPT 2.00-2.45 U78 2.00-3.00	2,3,5,3,2,2	
Recovered as light brown sandy fine to coarse angular gravel of SANDSTONE. Presumed bedrock.				D 3.00 SPT 3.00-3.02	100/20mm	

<b>Water Strikes</b> Strike: 1.60 Flow: MODERATE		<b>Details</b> Casing: 2.00 Final Depth: 3.02		<b>SYMBOLS KEY</b>	
Inspection Pit: 0.30 X 0.30 X 1.00 Breaking Out / Coring: Installation: Standpipe 50mm diameter installed to 3.00m. Notes:				B - BULK NR - NO RECOVERY U - UNDISTURBED * - ESTIMATED DENSITY D - SMALL DISTURBED HV - HAND VANE J - JAR V - VIAL W - WATER	
Logged by: EM		Checked by: SKF		ALL DIMENSIONS ARE IN METRES	





SKF Ltd, Constablewood Estate, Brisbane Glen, Largs  
 Tel: 07795 493892 Email: SKFLTD@BTINTERNET.COM

**BOREHOLE NO. BH07**

Contract: **LONGBAR, GLENGARNOCK**

Contract No: **2968**

Status: **FINAL**

Client: **MASON EVANS PARTNERSHIP**

Boring Diameter: **115MM**

Co-ordinates **E**

Date: **08/12/2017**

Equipment: **PREMIER BADGER**

**N**

Description of Strata	Legend	Depth	Level	Sampling	SPT Blows U Blows Hand Vane	Pipe
Ground Surface						
MADE GROUND: Topsoil / long grass. [GL-0.30]		0.30		DJ 0.20		
Soft becoming firm grey and grey slightly mottled light brown sandy gravelly CLAY. Gravel fine to coarse and angular to sub angular and predominantly of mudstone.		1.10		DJ 0.50  DJ 1.00 SPT 1.00-1.45 U86 1.00-2.00	2,2,1,2,2,2	
Firm becoming stiff grey sandy gravelly CLAY. Gravel fine to coarse and angular to sub rounded. Occasional cobbles.		3.00		D 2.00 SPT 2.00-2.45 U78 2.00-3.00	3,3,3,4,3,12	
Recovered as dark grey and grey sandy fine to coarse angular gravel of MUDSTONE. Crumbles into clayey sand. Presumed bedrock.				D 3.00 SPT 3.00-3.01	30/10mm	

<b>Water Strikes</b> Strike: 1.00      Flow: SLOW		<b>Details</b> Casing: 2.00      Final Depth: 3.01		<b>SYMBOLS KEY</b> B - BULK                      NR - NO RECOVERY U - UNDISTURBED        * - ESTIMATED DENSITY D - SMALL DISTURBED    HV - HAND VANE J - JAR V - VIAL W - WATER  ALL DIMENSIONS ARE IN METRES
Inspection Pit: 0.30 X 0.30 X 1.00 Breaking Out / Coring: Installation: Standpipe 50mm diameter installed to 3.00m. Notes:				
Logged by: EM		Checked by: SKF		

## Appendix 7

### Sampling Strategy and Analysis Rationale



BH04	Targeted
BH05	Non-targeted
BH05	Non-targeted
BH05	Non-targeted
BH06	Non-targeted
BH06	Non-targeted
BH06	Non-targeted
BH07	Non-targeted
BH07	Non-targeted
BH07	Non-targeted
BH07	Targeted
BH07	Targeted

Water	Water sample tested for metals, Inorganics PAH, TPH, Phenol, hydrocarbons, PAH	Sampling strategy and analysis based on previous use and potential impact of soils on proposed development
0.2m	<i>Not tested -samples tested within vicinity and considered representative/ borehole undertaken for confirmation of soil sequence</i>	Sampling strategy and analysis based on previous use and potential impact of soils on proposed development
0.5m	<i>Not tested -samples tested within vicinity and considered representative/ borehole undertaken for confirmation of soil sequence</i>	Sampling strategy and analysis based on previous use and potential impact of soils on proposed development
1.0m	<i>Not tested -samples tested within vicinity and considered representative/ borehole undertaken for confirmation of soil sequence</i>	Sampling strategy and analysis based on previous use and potential impact of soils on proposed development
0.2m	<i>Not tested -samples tested within vicinity and considered representative/ borehole undertaken for confirmation of soil sequence</i>	Sampling strategy and analysis based on previous use and potential impact of soils on proposed development
0.5m	Metals, Inorganics PAH, TPH, Phenol, hydrocarbons and visual screen for asbestos	Sampling strategy and analysis based on previous use and potential impact of soils on proposed development
1.0m	<i>Not tested -samples tested within vicinity and considered representative/ borehole undertaken for confirmation of soil sequence</i>	Sampling strategy and analysis based on previous use and potential impact of soils on proposed development
0.2m	PCBs adjacent to substation	Sampling strategy and analysis based on previous use and potential impact of soils on proposed development
0.5m	OCP, OPP and Triazines (Pesticides and Herbicides)	Sampling strategy and analysis based on previous use and potential impact of soils on proposed development
1.0m	<i>Not tested -samples tested within vicinity and considered representative/ borehole undertaken for confirmation of soil sequence</i>	Sampling strategy and analysis based on previous use and potential impact of soils on proposed development
Water	Water sample tested for metals, Inorganics PAH, TPH, Phenol, hydrocarbons, PAH	Sampling strategy and analysis based on previous use and potential impact of soils on proposed development
	<i>Not tested -samples tested within vicinity and considered representative/ borehole undertaken for confirmation of soil sequence</i>	

## Appendix 8

### Gas and Groundwater Monitoring Results



## Gas and Groundwater Monitoring Results

<b>Project Number:</b>		P17-517																	
<b>Site:</b>		Glengarnock, Long Bar																	
<b>Date:</b>		05/01/2018																	
<b>Readings taken by:</b>		DR																	
<b>Background Data</b>		<b>Weather Conditions</b>										Dry							
		<b>Ground Conditions (dry/wet):</b>										Wet							
		<b>Air Temperature (°C)</b>										3							
		<b>Atmospheric Pressure (mB) (start):</b>										985							
		<b>Atmospheric Pressure (mB) (finish):</b>										985							
		<b>O<sub>2</sub> (%)</b>										20.4							
		<b>CO<sub>2</sub> (%)</b>																	
		<b>CH<sub>4</sub> (%)</b>																	
<b>N<sub>2</sub> (%)</b>																			
Borehole No.	Time (hh:mm)	Gas											Groundwater		Sampling				
		O <sub>2</sub> (%)		CO <sub>2</sub> (%)		CH <sub>4</sub> (%)		H <sub>2</sub> S (%)		CO (ppm)		LEL	Flow (l/hr)		Wd <sup>3</sup> (mbgl)	DoW <sup>4</sup> (m)	Pr <sup>5</sup>	R <sup>6</sup>	S <sup>7</sup>
		P <sup>1</sup>	SS <sup>2</sup>	P <sup>1</sup>	SS <sup>2</sup>	P <sup>1</sup>	SS <sup>2</sup>	P <sup>1</sup>	SS <sup>2</sup>	P <sup>1</sup>	SS <sup>2</sup>		P <sup>1</sup>	SS <sup>2</sup>					
BH01	09:00-10:30	-	20.0	-	0.4	-	0.0	-	-	-	-	0.0	10.9	0.0	0.70	1.90	-	-	-
BH02		-	18.8	-	0.7	-	0.0	-	-	-	-	0.0	3.7	0.0	0.90	1.90	-	-	-
BH03		-	20.3	-	0.2	-	0.0	-	-	-	-	0.0	0.0	0.0	0.45	1.00	-	-	-
BH04		-	19.8	-	0.7	-	0.0	-	-	-	-	0.0	1.6	0.0	0.40	1.05	-	-	-
BH05		-	20.4	-	0.1	-	0.0	-	-	-	-	0.0	0.0	0.0	Dry	0.95	-	-	-
BH06		-	20.3	-	0.1	-	0.0	-	-	-	-	0.0	0.0	0.0	0.40	2.70	-	-	-
BH07		-	19.4	-	0.5	-	0.0	-	-	-	-	0.0	8.2	0.0	0.65	2.85	-	-	-
<b>Remarks</b>																			
<b>Borehole Damage Record/ Installation Record</b>													Key: 1 – Peak 2 – Steady state 3 – Groundwater depth 4 – Depth of well			5 – Purged well volumes 6 – Recharge (yes/no) 7 – Sampled (yes/no)			
<b>Borehole Condition Statement</b>		We confirm that the boreholes were left sealed correctly by Mason Evans personnel in accordance with good working practices on the above date.																	
<b>Gas Monitor Model:</b>		<b>Serial No:</b>											<b>Recalibration Due:</b>						
GFM 436		12644											08/12/18						



## Gas and Groundwater Monitoring Results

<b>Project Number:</b>		P17-517																	
<b>Site:</b>		Glengarnock, Long Bar																	
<b>Date:</b>		17/01/2018																	
<b>Readings taken by:</b>		DR																	
<b>Background Data</b>		<b>Weather Conditions</b>										Dry							
		<b>Ground Conditions (dry/wet):</b>										Snow							
		<b>Air Temperature (°C)</b>										1							
		<b>Atmospheric Pressure (mB) (start):</b>										993							
		<b>Atmospheric Pressure (mB) (finish):</b>										994							
		<b>O<sub>2</sub> (%)</b>										19.9							
		<b>CO<sub>2</sub> (%)</b>																	
		<b>CH<sub>4</sub> (%)</b>																	
<b>N<sub>2</sub> (%)</b>																			
Borehole No.	Time (hh:mm)	Gas											Groundwater		Sampling				
		O <sub>2</sub> (%)		CO <sub>2</sub> (%)		CH <sub>4</sub> (%)		H <sub>2</sub> S (%)		CO (ppm)		LEL	Flow (l/hr)		Wd <sup>3</sup> (mbgl)	DoW <sup>4</sup> (m)	Pr <sup>5</sup>	R <sup>6</sup>	S <sup>7</sup>
		P <sup>1</sup>	SS <sup>2</sup>	P <sup>1</sup>	SS <sup>2</sup>	P <sup>1</sup>	SS <sup>2</sup>	P <sup>1</sup>	SS <sup>2</sup>	P <sup>1</sup>	SS <sup>2</sup>		P <sup>1</sup>	SS <sup>2</sup>					
BH01	09:30-12:00	-	19.6	-	0.6	-	0.0	-	-	-	-	0.0	0.0	0.0	0.55	1.90	<2	V slow	N
BH02		-	20.0	-	0.0	-	0.0	-	-	-	-	0.0	0.0	0.0	1.05	1.90	3	Y	Y
BH03		-	20.0	-	0.0	-	0.0	-	-	-	-	0.0	0.0	0.0	0.15	1.00	3	Y	Y
BH04		-	19.9	-	0.2	-	0.0	-	-	-	-	0.0	0.0	0.0	0.30	1.05	3	Y	Y
BH05		-	19.8	-	0.1	-	0.0	-	-	-	-	0.0	0.0	0.0	Dry	0.95	-	-	-
BH06		-	20.0	-	0.0	-	0.0	-	-	-	-	0.0	0.0	0.0	0.45	2.70	-	-	-
BH07		-	20.0	-	0.0	-	0.0	-	-	-	-	0.0	0.0	0.0	0.70	2.85	3	Y	Y
<b>Remarks</b>		*Gas readings aren't accurate as the filter on the gas monitor needed replaced*																	
<b>Borehole Damage Record/ Installation Record</b>													Key: 1 – Peak 2 – Steady state 3 – Groundwater depth 4 – Depth of well		5 – Purged well volumes 6 – Recharge (yes/no) 7 – Sampled (yes/no)				
<b>Borehole Condition Statement</b>		We confirm that the boreholes were left sealed correctly by Mason Evans personnel in accordance with good working practices on the above date.																	
<b>Gas Monitor Model:</b>		<b>Serial No:</b>											<b>Recalibration Due:</b>						
GFM 436		12644											08/12/18						



## Gas and Groundwater Monitoring Results

<b>Project Number:</b>		P17-517																	
<b>Site:</b>		Glengarnock, Long Bar																	
<b>Date:</b>		08/02/18																	
<b>Readings taken by:</b>		DR																	
<b>Background Data</b>		<b>Weather Conditions</b>										Dry							
		<b>Ground Conditions (dry/wet):</b>										Wet							
		<b>Air Temperature (°C)</b>										6							
		<b>Atmospheric Pressure (mB) (start):</b>										1006							
		<b>Atmospheric Pressure (mB) (finish):</b>										1005							
		<b>O<sub>2</sub> (%)</b>										20.1							
		<b>CO<sub>2</sub> (%)</b>																	
		<b>CH<sub>4</sub> (%)</b>																	
<b>N<sub>2</sub> (%)</b>																			
Borehole No.	Time (hh:mm)	Gas											Groundwater		Sampling				
		O <sub>2</sub> (%)		CO <sub>2</sub> (%)		CH <sub>4</sub> (%)		H <sub>2</sub> S (%)		CO (ppm)		LEL	Flow (l/hr)		Wd <sup>3</sup> (mbgl)	DoW <sup>4</sup> (m)	Pr <sup>5</sup>	R <sup>6</sup>	S <sup>7</sup>
		P <sup>1</sup>	SS <sup>2</sup>	P <sup>1</sup>	SS <sup>2</sup>	P <sup>1</sup>	SS <sup>2</sup>	P <sup>1</sup>	SS <sup>2</sup>	P <sup>1</sup>	SS <sup>2</sup>		P <sup>1</sup>	SS <sup>2</sup>					
BH01	09:00-10:00	-	20.1	-	0.1	-	0.0	-	-	-	-	0.0	0.0	0.0	0.35	1.90	-	-	-
BH02		-	18.3	-	0.2	-	0.0	-	-	-	-	0.0	0.0	0.0	0.90	1.90	-	-	-
BH03		-	19.5	-	0.1	-	0.0	-	-	-	-	0.0	0.0	0.0	0.30	1.00	-	-	-
BH04		-	20.2	-	0.0	-	0.0	-	-	-	-	0.0	0.0	0.0	0.35	1.05	-	-	-
BH05		-	12.8	-	2.2	-	0.0	-	-	-	-	0.0	0.0	0.0	Dry	0.95	-	-	-
BH06		-	20.1	-	0.0	-	0.0	-	-	-	-	0.0	0.0	0.0	0.60	2.60	-	-	-
BH07		-	20.1	-	0.1	-	0.0	-	-	-	-	0.0	0.0	0.0	0.70	2.85	-	-	-
<b>Remarks</b>																			
<b>Borehole Damage Record/ Installation Record</b>													Key: 1 – Peak 2 – Steady state 3 – Groundwater depth 4 – Depth of well		5 – Purged well volumes 6 – Recharge (yes/no) 7 – Sampled (yes/no)				
<b>Borehole Condition Statement</b>		We confirm that the boreholes were left sealed correctly by Mason Evans personnel in accordance with good working practices on the above date.																	
<b>Gas Monitor Model:</b>		<b>Serial No:</b>											<b>Recalibration Due:</b>						
GFM 436		12644											08/12/18						



## Appendix 9

### Chemical Laboratory Analysis Results



# DETS

## Certificate of Analysis

*Certificate Number* 18-01394

25-Jan-18

*Client* Mason Evans Partnership  
95 Morrison Street  
Glasgow  
G5 8BE

*Our Reference* 18-01394

*Client Reference* P17-517

*Order No* N Hands

*Contract Title* (P17-517) Longbar, Glengarnock

*Description* 4 Water samples.

*Date Received* 19-Jan-18

*Date Started* 19-Jan-18

*Date Completed* 25-Jan-18

*Test Procedures* Identified by prefix DETSn (details on request).

*Notes* Opinions and interpretations are outside the laboratory's scope of ISO 17025 accreditation. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.

*Approved By*



Adam Fenwick  
Contracts Manager



## Summary of Chemical Analysis

### Water Samples

Our Ref 18-01394

Client Ref P17-517

Contract Title (P17-517) Longbar, Glengarnock

Lab No	1286221	1286222	1286223	1286224
Sample ID	BH02	BH03	BH04	BH07
Depth				
Other ID				
Sample Type	WATER	WATER	WATER	WATER
Sampling Date	17/01/18	17/01/18	17/01/18	17/01/18
Sampling Time	n/s	n/s	n/s	n/s

Test	Method	LOD	Units				
<b>Metals</b>							
Arsenic, Dissolved	DETSC 2306	0.16	ug/l	< 0.16	0.85	< 0.16	0.84
Boron	DETSC 2123	100	ug/l	< 100	< 100	130	< 100
Cadmium, Dissolved	DETSC 2306	0.03	ug/l	< 0.03	< 0.03	0.04	< 0.03
Calcium, Dissolved	DETSC 2306	0.09	mg/l	24	4.0	8.0	23
Chromium, Dissolved	DETSC 2306	0.25	ug/l	< 0.25	5.0	< 0.25	< 0.25
Copper, Dissolved	DETSC 2306	0.4	ug/l	0.6	5.6	0.6	< 0.4
Lead, Dissolved	DETSC 2306	0.09	ug/l	0.11	4.0	< 0.09	< 0.09
Magnesium, Dissolved	DETSC 2306	0.02	mg/l	3.9	1.4	1.9	7.6
Mercury, Dissolved	DETSC 2306	0.01	ug/l	< 0.01	< 0.01	< 0.01	< 0.01
Nickel, Dissolved	DETSC 2306	0.5	ug/l	0.7	4.0	3.0	0.6
Selenium, Dissolved	DETSC 2306	0.25	ug/l	0.57	0.45	0.33	< 0.25
Zinc, Dissolved	DETSC 2306	1.3	ug/l	< 1.3	230	3.3	< 1.3
<b>Inorganics</b>							
pH	DETSC 2008			6.5	6.6	6.2	6.7
Cyanide, Total Low Level	DETSC 2131	0.1	ug/l	0.3	0.4	< 0.1	< 0.1
Dissolved Organic Carbon	*	2	mg/l	< 2.0	5.1	< 2.0	< 2.0
Hardness	DETSC 2303	0.1	mg/l	76.4	15.6	27.7	89.7
Sulphate as SO4	DETSC 2055	0.1	mg/l	28	34	7.0	8.4
Sulphide	DETSC 2208	10	ug/l	10	< 10	11	38
<b>Petroleum Hydrocarbons</b>							
Aliphatic C5-C6	DETSC 3322	0.1	ug/l	< 0.1	< 0.1	< 0.1	< 0.1
Aliphatic C6-C8	DETSC 3322	0.1	ug/l	< 0.1	< 0.1	< 0.1	< 0.1
Aliphatic C8-C10	DETSC 3322	0.1	ug/l	< 0.1	< 0.1	< 0.1	< 0.1
Aliphatic C10-C12	DETSC 3072*	1	ug/l	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic C12-C16	DETSC 3072*	1	ug/l	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic C16-C21	DETSC 3072*	1	ug/l	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic C21-C35	DETSC 3072*	1	ug/l	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic C5-C35	DETSC 3072*	10	ug/l	< 10	< 10	< 10	< 10
Aromatic C5-C7	DETSC 3322	0.1	ug/l	< 0.1	< 0.1	< 0.1	< 0.1
Aromatic C7-C8	DETSC 3322	0.1	ug/l	< 0.1	< 0.1	< 0.1	< 0.1
Aromatic C8-C10	DETSC 3322	0.1	ug/l	< 0.1	< 0.1	< 0.1	< 0.1
Aromatic C10-C12	DETSC 3072*	1	ug/l	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic C12-C16	DETSC 3072*	1	ug/l	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic C16-C21	DETSC 3072*	1	ug/l	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic C21-C35	DETSC 3072*	1	ug/l	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic C5-C35	DETSC 3072*	10	ug/l	< 10	< 10	< 10	< 10
TPH Ali/Aro Total	DETSC 3072*	10	ug/l	< 10	< 10	< 10	< 10
<b>PAHs</b>							
Naphthalene	DETSC 3304	0.01	ug/l	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	DETSC 3304	0.01	ug/l	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	DETSC 3304	0.01	ug/l	< 0.01	< 0.01	< 0.01	< 0.01

## Summary of Chemical Analysis

### Water Samples

Our Ref 18-01394

Client Ref P17-517

Contract Title (P17-517) Longbar, Glengarnock

Lab No	1286221	1286222	1286223	1286224
Sample ID	BH02	BH03	BH04	BH07
Depth				
Other ID				
Sample Type	WATER	WATER	WATER	WATER
Sampling Date	17/01/18	17/01/18	17/01/18	17/01/18
Sampling Time	n/s	n/s	n/s	n/s

Test	Method	LOD	Units				
Fluorene	DETSC 3304	0.01	ug/l	< 0.01	< 0.01	< 0.01	< 0.01
Phenanthrene	DETSC 3304	0.01	ug/l	< 0.01	< 0.01	< 0.01	0.02
Anthracene	DETSC 3304	0.01	ug/l	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	DETSC 3304	0.01	ug/l	< 0.01	< 0.01	< 0.01	< 0.01
Pyrene	DETSC 3304	0.01	ug/l	< 0.01	< 0.01	< 0.01	0.02
Benzo(a)anthracene	DETSC 3304	0.01	ug/l	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	DETSC 3304	0.01	ug/l	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	DETSC 3304	0.01	ug/l	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	DETSC 3304	0.01	ug/l	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	DETSC 3304	0.01	ug/l	< 0.01	< 0.01	< 0.01	< 0.01
Indeno(1,2,3-c,d)pyrene	DETSC 3304	0.01	ug/l	< 0.01	< 0.01	< 0.01	< 0.01
Dibenzo(a,h)anthracene	DETSC 3304	0.01	ug/l	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(g,h,i)perylene	DETSC 3304	0.01	ug/l	< 0.01	< 0.01	< 0.01	0.06
PAH Total	DETSC 3304	0.04	ug/l	< 0.04	< 0.04	< 0.04	0.09
<b>Phenols</b>							
Phenol	*	0.5	ug/l	< 0.50	< 0.50	< 0.50	< 0.50

## Information in Support of the Analytical Results

Our Ref 18-01394

Client Ref P17-517

Contract (P17-517) Longbar, Glengarnock

### Containers Received & Deviating Samples

Lab No	Sample ID	Date Sampled	Containers Received	Holding time exceeded for tests	Inappropriate container for tests
1286221	BH02 WATER	17/01/18	GB 1L, PB 1L		
1286222	BH03 WATER	17/01/18	GB 1L, PB 1L		
1286223	BH04 WATER	17/01/18	GB 1L, PB 1L		
1286224	BH07 WATER	17/01/18	GB 1L, PB 1L		

Key: G-Glass P-Plastic B-Bottle

DETS cannot be held responsible for the integrity of samples received whereby the laboratory did not undertake the sampling. In this instance samples received may be deviating. Deviating Sample criteria are based on British and International standards and laboratory trials in conjunction with the UKAS note 'Guidance on Deviating Samples'. All samples received are listed above. However, those samples that have additional comments in relation to hold time, inappropriate containers etc are deviating due to the reasons stated. This means that the analysis is accredited where applicable, but results may be compromised due to sample deviations. If no sampled date (soils) or date+time (waters) has been supplied then samples are deviating. However, if you are able to supply a sampled date (and time for waters) this will prevent samples being reported as deviating where specific hold times are not exceeded and where the container supplied is suitable.

### Disposal

From the issue date of this test certificate, samples will be held for the following times prior to disposal :-

Soils - 1 month, Liquids - 2 weeks, Asbestos (test portion) - 6 months



# DETS

## Certificate of Analysis

*Certificate Number* 17-18225

19-Dec-17

*Client* Mason Evans Partnership  
95 Morrison Street  
Glasgow  
G5 8BE

*Our Reference* 17-18225

*Client Reference* P17-517

*Order No* NHANDS

*Contract Title* P17-517 Longbar, Glengarnock

*Description* 10 Soil samples.

*Date Received* 13-Dec-17

*Date Started* 13-Dec-17

*Date Completed* 19-Dec-17

*Test Procedures* Identified by prefix DETSn (details on request).

*Notes* Opinions and interpretations are outside the laboratory's scope of ISO 17025 accreditation. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.

*Approved By*



Adam Fenwick  
Contracts Manager



# Summary of Chemical Analysis

## Soil Samples

Our Ref 17-18225

Client Ref P17-517

Contract Title P17-517 Longbar, Glengarnock

Lab No	1273221	1273222	1273223	1273224	1273225	1273226
Sample ID	BH01	BH01	BH02	BH02	BH03	BH04
Depth	0.20	0.50	0.20	0.50	0.50	0.20
Other ID						
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sampling Date	08/12/17	08/12/17	08/12/17	08/12/17	08/12/17	08/12/17
Sampling Time	n/s	n/s	n/s	n/s	n/s	n/s

Test	Method	LOD	Units				
<b>Preparation</b>							
Moisture Content	DETSC 1004	0.1	%		18	21	24
<b>Metals</b>							
Arsenic	DETSC 2301#	0.2	mg/kg		4.6	4.1	13
Boron, Water Soluble	DETSC 2123#	0.2	mg/kg		0.5	0.3	0.8
Cadmium	DETSC 2301#	0.1	mg/kg		1.0	0.4	1.1
Chromium	DETSC 2301#	0.15	mg/kg		35	13	43
Chromium, Hexavalent	DETSC 2204*	1	mg/kg		< 1.0	< 1.0	< 1.0
Copper	DETSC 2301#	0.2	mg/kg		27	29	57
Lead	DETSC 2301#	0.3	mg/kg		23	52	170
Mercury	DETSC 2325#	0.05	mg/kg		< 0.05	< 0.05	0.08
Nickel	DETSC 2301#	1	mg/kg		48	8.9	35
Selenium	DETSC 2301#	0.5	mg/kg		< 0.5	< 0.5	< 0.5
Zinc	DETSC 2301#	1	mg/kg		89	24	64
<b>Inorganics</b>							
pH	DETSC 2008#				7.2	8.1	6.6
Cyanide, Total	DETSC 2130#	0.1	mg/kg		< 0.1	< 0.1	< 0.1
Total Organic Carbon	DETSC 2084#	0.5	%		3.0	1.0	2.7
Organic Matter (by calculation)	*	0.1	%		3.5	0.8	3.1
Sulphide	DETSC 2024*	10	mg/kg		< 10	20	20
Sulphate as SO <sub>4</sub> , Total	DETSC 2321#	0.01	%		0.03	0.04	0.03
<b>Petroleum Hydrocarbons</b>							
Aliphatic C5-C6	DETSC 3321*	0.01	mg/kg		< 0.01	< 0.01	< 0.01
Aliphatic C6-C8	DETSC 3321*	0.01	mg/kg		< 0.01	< 0.01	< 0.01
Aliphatic C8-C10	DETSC 3321*	0.01	mg/kg		< 0.01	< 0.01	< 0.01
Aliphatic C10-C12	DETSC 3072#	1.5	mg/kg		< 1.5	< 1.5	< 1.5
Aliphatic C12-C16	DETSC 3072#	1.2	mg/kg		< 1.2	< 1.2	< 1.2
Aliphatic C16-C21	DETSC 3072#	1.5	mg/kg		< 1.5	< 1.5	< 1.5
Aliphatic C16-C35	DETSC 3072#	4.9	mg/kg		< 4.9	< 4.9	< 4.9
Aliphatic C21-C35	DETSC 3072#	3.4	mg/kg		< 3.4	< 3.4	< 3.4
Aliphatic C5-C35	DETSC 3072*	10	mg/kg		< 10	< 10	< 10
Aromatic C5-C7	DETSC 3321*	0.01	mg/kg		< 0.01	< 0.01	< 0.01
Aromatic C7-C8	DETSC 3321*	0.01	mg/kg		< 0.01	< 0.01	< 0.01
Aromatic C8-C10	DETSC 3321*	0.01	mg/kg		< 0.01	< 0.01	< 0.01
Aromatic C10-C12	DETSC 3072#	0.9	mg/kg		< 0.9	< 0.9	< 0.9
Aromatic C12-C16	DETSC 3072#	0.5	mg/kg		< 0.5	< 0.5	< 0.5
Aromatic C16-C21	DETSC 3072#	0.6	mg/kg		< 0.6	< 0.6	< 0.6
Aromatic C21-C35	DETSC 3072#	1.4	mg/kg		< 1.4	< 1.4	< 1.4
Aromatic C5-C35	DETSC 3072*	10	mg/kg		< 10	< 10	< 10
TPH Ali/Aro Total	DETSC 3072*	10	mg/kg		< 10	< 10	< 10
<b>PAHs</b>							
Naphthalene	DETSC 3301	0.1	mg/kg		< 0.1	< 0.1	< 0.1

# Summary of Chemical Analysis

## Soil Samples

Our Ref 17-18225

Client Ref P17-517

Contract Title P17-517 Longbar, Glengarnock

Lab No	1273221	1273222	1273223	1273224	1273225	1273226
Sample ID	BH01	BH01	BH02	BH02	BH03	BH04
Depth	0.20	0.50	0.20	0.50	0.50	0.20
Other ID						
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sampling Date	08/12/17	08/12/17	08/12/17	08/12/17	08/12/17	08/12/17
Sampling Time	n/s	n/s	n/s	n/s	n/s	n/s

Test	Method	LOD	Units					
Acenaphthylene	DETSC 3301	0.1	mg/kg		< 0.1		< 0.1	< 0.1
Acenaphthene	DETSC 3301	0.1	mg/kg		< 0.1		< 0.1	< 0.1
Fluorene	DETSC 3301	0.1	mg/kg		< 0.1		< 0.1	< 0.1
Phenanthrene	DETSC 3301	0.1	mg/kg		< 0.1		< 0.1	< 0.1
Anthracene	DETSC 3301	0.1	mg/kg		< 0.1		< 0.1	< 0.1
Fluoranthene	DETSC 3301	0.1	mg/kg		< 0.1		< 0.1	< 0.1
Pyrene	DETSC 3301	0.1	mg/kg		< 0.1		< 0.1	< 0.1
Benzo(a)anthracene	DETSC 3301	0.1	mg/kg		< 0.1		< 0.1	< 0.1
Chrysene	DETSC 3301	0.1	mg/kg		< 0.1		< 0.1	< 0.1
Benzo(b)fluoranthene	DETSC 3301	0.1	mg/kg		< 0.1		< 0.1	< 0.1
Benzo(k)fluoranthene	DETSC 3301	0.1	mg/kg		< 0.1		< 0.1	< 0.1
Benzo(a)pyrene	DETSC 3301	0.1	mg/kg		< 0.1		< 0.1	< 0.1
Indeno(1,2,3-c,d)pyrene	DETSC 3301	0.1	mg/kg		< 0.1		< 0.1	< 0.1
Dibenzo(a,h)anthracene	DETSC 3301	0.1	mg/kg		< 0.1		< 0.1	< 0.1
Benzo(g,h,i)perylene	DETSC 3301	0.1	mg/kg		< 0.1		< 0.1	< 0.1
PAH Total	DETSC 3301	1.6	mg/kg		< 1.6		< 1.6	< 1.6
<b>PCBs</b>								
PCB 28 + PCB 31	DETSC 3401#	0.01	mg/kg					
PCB 52	DETSC 3401#	0.01	mg/kg					
PCB 101	DETSC 3401#	0.01	mg/kg					
PCB 118	DETSC 3401#	0.01	mg/kg					
PCB 153	DETSC 3401#	0.01	mg/kg					
PCB 138	DETSC 3401#	0.01	mg/kg					
PCB 180	DETSC 3401#	0.01	mg/kg					
PCB 7 Total	DETSC 3401#	0.01	mg/kg					
<b>Phenols</b>								
Phenol - Monohydric	DETSC 2130#	0.3	mg/kg		< 0.3		< 0.3	< 0.3
<b>OCPs</b>								
alpha-BHC	DETSC 3441*	0.1	mg/kg	< 0.1		< 0.1		< 0.1
gamma-BHC (Lindane)	DETSC 3441*	0.1	mg/kg	< 0.1		< 0.1		< 0.1
beta-BHC	DETSC 3441*	0.1	mg/kg	< 0.1		< 0.1		< 0.1
delta-BHC	DETSC 3441*	0.1	mg/kg	< 0.1		< 0.1		< 0.1
Heptachlor	DETSC 3441*	0.1	mg/kg	< 0.1		< 0.1		< 0.1
Aldrin	DETSC 3441*	0.1	mg/kg	< 0.1		< 0.1		< 0.1
Heptachlor epoxide	DETSC 3441*	0.1	mg/kg	< 0.1		< 0.1		< 0.1
gamma-Chlordane	DETSC 3441*	0.1	mg/kg	< 0.1		< 0.1		< 0.1
Endosulphan I & Alpha-chlorodane	DETSC 3441*	0.1	mg/kg	< 0.1		< 0.1		< 0.1
4,4-DDE	DETSC 3441*	0.1	mg/kg	< 0.1		< 0.1		< 0.1
Dieldrin	DETSC 3441*	0.1	mg/kg	< 0.1		< 0.1		< 0.1
Endrin	DETSC 3441*	0.1	mg/kg	< 0.1		< 0.1		< 0.1
Endosulphan II & 4,4-DDD	DETSC 3441*	0.1	mg/kg	< 0.1		< 0.1		< 0.1
Endrin aldehyde	DETSC 3441*	0.1	mg/kg	< 0.1		< 0.1		< 0.1



# Summary of Chemical Analysis

## Soil Samples

Our Ref 17-18225

Client Ref P17-517

Contract Title P17-517 Longbar, Glengarnock

Lab No	1273221	1273222	1273223	1273224	1273225	1273226
Sample ID	BH01	BH01	BH02	BH02	BH03	BH04
Depth	0.20	0.50	0.20	0.50	0.50	0.20
Other ID						
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sampling Date	08/12/17	08/12/17	08/12/17	08/12/17	08/12/17	08/12/17
Sampling Time	n/s	n/s	n/s	n/s	n/s	n/s

Test	Method	LOD	Units					
4,4-DDT	DETSC 3441*	0.1	mg/kg	< 0.1		< 0.1		< 0.1
Endosulphan sulphate	DETSC 3441*	0.1	mg/kg	< 0.1		< 0.1		< 0.1
Methoxychlor	DETSC 3441*	0.1	mg/kg	< 0.1		< 0.1		< 0.1
Endrin ketone	DETSC 3441*	0.1	mg/kg	< 0.1		< 0.1		< 0.1
<b>OPPs</b>								
Dichlorvos	DETSC 3443*	0.1	mg/kg	< 0.1		< 0.1		< 0.1
Mevinphos	DETSC 3443*	0.1	mg/kg	< 0.1		< 0.1		< 0.1
Demeton-O	DETSC 3443*	0.1	mg/kg	< 0.1		< 0.1		< 0.1
Ethoprop	DETSC 3443*	0.1	mg/kg	< 0.1		< 0.1		< 0.1
Naled	DETSC 3443*	0.1	mg/kg	< 0.1		< 0.1		< 0.1
Phorate	DETSC 3443*	0.1	mg/kg	< 0.1		< 0.1		< 0.1
Demeton-S	DETSC 3443*	0.1	mg/kg	< 0.1		< 0.1		< 0.1
Diazinon	DETSC 3443*	0.1	mg/kg	< 0.1		< 0.1		< 0.1
Disulfoton	DETSC 3443*	0.1	mg/kg	< 0.1		< 0.1		< 0.1
Methylparathion	DETSC 3443*	0.1	mg/kg	< 0.1		< 0.1		< 0.1
Ronnel	DETSC 3443*	0.1	mg/kg	< 0.1		< 0.1		< 0.1
Fenthion	DETSC 3443*	0.1	mg/kg	< 0.1		< 0.1		< 0.1
Chlopyrifos	DETSC 3443*	0.1	mg/kg	< 0.1		< 0.1		< 0.1
Trichlorinate	DETSC 3443*	0.1	mg/kg	< 0.1		< 0.1		< 0.1
Merphos	DETSC 3443*	0.1	mg/kg	< 0.1		< 0.1		< 0.1
Stirofos	DETSC 3443*	0.1	mg/kg	< 0.1		< 0.1		< 0.1
Tokuthion	DETSC 3443*	0.1	mg/kg	< 0.1		< 0.1		< 0.1
Fensulfothion	DETSC 3443*	0.1	mg/kg	< 0.1		< 0.1		< 0.1
Bolstar	DETSC 3443*	0.1	mg/kg	< 0.1		< 0.1		< 0.1
Azinphos methyl	DETSC 3443*	0.1	mg/kg	< 0.1		< 0.1		< 0.1
Coumaphos	DETSC 3443*	0.1	mg/kg	< 0.1		< 0.1		< 0.1
<b>Triazines</b>								
Atraton	DETSC 3445*	0.1	mg/kg	< 0.1		< 0.1		< 0.1
Prometon	DETSC 3445*	0.1	mg/kg	< 0.1		< 0.1		< 0.1
Simazine	DETSC 3445*	0.1	mg/kg	< 0.1		< 0.1		< 0.1
Atrazine	DETSC 3445*	0.1	mg/kg	< 0.1		< 0.1		< 0.1
Propazine	DETSC 3445*	0.1	mg/kg	< 0.1		< 0.1		< 0.1
Terbutylazine	DETSC 3445*	0.1	mg/kg	< 0.1		< 0.1		< 0.1
Secbumeton	DETSC 3445*	0.1	mg/kg	< 0.1		< 0.1		< 0.1
Symetryn	DETSC 3445*	0.1	mg/kg	< 0.1		< 0.1		< 0.1
Ametryn	DETSC 3445*	0.1	mg/kg	< 0.1		< 0.1		< 0.1
Prometryne	DETSC 3445*	0.1	mg/kg	< 0.1		< 0.1		< 0.1
Terbutryn	DETSC 3445*	0.1	mg/kg	< 0.1		< 0.1		< 0.1

## Summary of Chemical Analysis Soil Samples

Our Ref 17-18225

Client Ref P17-517

Contract Title P17-517 Longbar, Glengarnock

Lab No	1273227	1273228	1273229	1273230
Sample ID	BH04	BH6	BH07	BH07
Depth	0.50	0.50	0.20	0.50
Other ID				
Sample Type	SOIL	SOIL	SOIL	SOIL
Sampling Date	08/12/17	08/12/17	08/12/17	08/12/17
Sampling Time	n/s	n/s	n/s	n/s

Test	Method	LOD	Units				
<b>Preparation</b>							
Moisture Content	DETS 1004	0.1	%	24	32		
<b>Metals</b>							
Arsenic	DETS 2301#	0.2	mg/kg	8.4	6.6		
Boron, Water Soluble	DETS 2123#	0.2	mg/kg	0.8	0.7		
Cadmium	DETS 2301#	0.1	mg/kg	2.0	1.4		
Chromium	DETS 2301#	0.15	mg/kg	37	54		
Chromium, Hexavalent	DETS 2204*	1	mg/kg	< 1.0	< 1.0		
Copper	DETS 2301#	0.2	mg/kg	21	35		
Lead	DETS 2301#	0.3	mg/kg	69	39		
Mercury	DETS 2325#	0.05	mg/kg	0.09	< 0.05		
Nickel	DETS 2301#	1	mg/kg	27	49		
Selenium	DETS 2301#	0.5	mg/kg	< 0.5	0.5		
Zinc	DETS 2301#	1	mg/kg	91	64		
<b>Inorganics</b>							
pH	DETS 2008#			6.1	6.7		
Cyanide, Total	DETS 2130#	0.1	mg/kg	0.2	< 0.1		
Total Organic Carbon	DETS 2084#	0.5	%	2.6	2.0		
Organic Matter (by calculation)	*	0.1	%	2.9	2.2		
Sulphide	DETS 2024*	10	mg/kg	32	28		
Sulphate as SO <sub>4</sub> , Total	DETS 2321#	0.01	%	0.10	0.04		
<b>Petroleum Hydrocarbons</b>							
Aliphatic C5-C6	DETS 3321*	0.01	mg/kg	< 0.01	< 0.01		
Aliphatic C6-C8	DETS 3321*	0.01	mg/kg	< 0.01	< 0.01		
Aliphatic C8-C10	DETS 3321*	0.01	mg/kg	< 0.01	< 0.01		
Aliphatic C10-C12	DETS 3072#	1.5	mg/kg	< 1.5	< 1.5		
Aliphatic C12-C16	DETS 3072#	1.2	mg/kg	< 1.2	< 1.2		
Aliphatic C16-C21	DETS 3072#	1.5	mg/kg	< 1.5	< 1.5		
Aliphatic C16-C35	DETS 3072#	4.9	mg/kg	< 4.9	< 4.9		
Aliphatic C21-C35	DETS 3072#	3.4	mg/kg	< 3.4	< 3.4		
Aliphatic C5-C35	DETS 3072*	10	mg/kg	< 10	< 10		
Aromatic C5-C7	DETS 3321*	0.01	mg/kg	< 0.01	< 0.01		
Aromatic C7-C8	DETS 3321*	0.01	mg/kg	< 0.01	< 0.01		
Aromatic C8-C10	DETS 3321*	0.01	mg/kg	< 0.01	< 0.01		
Aromatic C10-C12	DETS 3072#	0.9	mg/kg	< 0.9	< 0.9		
Aromatic C12-C16	DETS 3072#	0.5	mg/kg	< 0.5	< 0.5		
Aromatic C16-C21	DETS 3072#	0.6	mg/kg	< 0.6	< 0.6		
Aromatic C21-C35	DETS 3072#	1.4	mg/kg	< 1.4	1.8		
Aromatic C5-C35	DETS 3072*	10	mg/kg	< 10	< 10		
TPH Ali/Aro Total	DETS 3072*	10	mg/kg	< 10	< 10		
<b>PAHs</b>							
Naphthalene	DETS 3301	0.1	mg/kg	< 0.1	< 0.1		

## Summary of Chemical Analysis Soil Samples

Our Ref 17-18225

Client Ref P17-517

Contract Title P17-517 Longbar, Glengarnock

Lab No	1273227	1273228	1273229	1273230
Sample ID	BH04	BH6	BH07	BH07
Depth	0.50	0.50	0.20	0.50
Other ID				
Sample Type	SOIL	SOIL	SOIL	SOIL
Sampling Date	08/12/17	08/12/17	08/12/17	08/12/17
Sampling Time	n/s	n/s	n/s	n/s

Test	Method	LOD	Units				
Acenaphthylene	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1		
Acenaphthene	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1		
Fluorene	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1		
Phenanthrene	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1		
Anthracene	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1		
Fluoranthene	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1		
Pyrene	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1		
Benzo(a)anthracene	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1		
Chrysene	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1		
Benzo(b)fluoranthene	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1		
Benzo(k)fluoranthene	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1		
Benzo(a)pyrene	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1		
Indeno(1,2,3-c,d)pyrene	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1		
Dibenzo(a,h)anthracene	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1		
Benzo(g,h,i)perylene	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1		
PAH Total	DETSC 3301	1.6	mg/kg	< 1.6	< 1.6		
<b>PCBs</b>							
PCB 28 + PCB 31	DETSC 3401#	0.01	mg/kg			< 0.01	
PCB 52	DETSC 3401#	0.01	mg/kg			< 0.01	
PCB 101	DETSC 3401#	0.01	mg/kg			< 0.01	
PCB 118	DETSC 3401#	0.01	mg/kg			< 0.01	
PCB 153	DETSC 3401#	0.01	mg/kg			< 0.01	
PCB 138	DETSC 3401#	0.01	mg/kg			< 0.01	
PCB 180	DETSC 3401#	0.01	mg/kg			< 0.01	
PCB 7 Total	DETSC 3401#	0.01	mg/kg			< 0.01	
<b>Phenols</b>							
Phenol - Monohydric	DETSC 2130#	0.3	mg/kg	< 0.3	< 0.3		
<b>OCPs</b>							
alpha-BHC	DETSC 3441*	0.1	mg/kg				< 0.1
gamma-BHC (Lindane)	DETSC 3441*	0.1	mg/kg				< 0.1
beta-BHC	DETSC 3441*	0.1	mg/kg				< 0.1
delta-BHC	DETSC 3441*	0.1	mg/kg				< 0.1
Heptachlor	DETSC 3441*	0.1	mg/kg				< 0.1
Aldrin	DETSC 3441*	0.1	mg/kg				< 0.1
Heptachlor epoxide	DETSC 3441*	0.1	mg/kg				< 0.1
gamma-Chlordane	DETSC 3441*	0.1	mg/kg				< 0.1
Endosulphan I & Alpha-chlorodane	DETSC 3441*	0.1	mg/kg				< 0.1
4,4-DDE	DETSC 3441*	0.1	mg/kg				< 0.1
Dieldrin	DETSC 3441*	0.1	mg/kg				< 0.1
Endrin	DETSC 3441*	0.1	mg/kg				< 0.1
Endosulphan II & 4,4-DDD	DETSC 3441*	0.1	mg/kg				< 0.1
Endrin aldehyde	DETSC 3441*	0.1	mg/kg				< 0.1

## Summary of Chemical Analysis Soil Samples

Our Ref 17-18225

Client Ref P17-517

Contract Title P17-517 Longbar, Glengarnock

Lab No	1273227	1273228	1273229	1273230
Sample ID	BH04	BH6	BH07	BH07
Depth	0.50	0.50	0.20	0.50
Other ID				
Sample Type	SOIL	SOIL	SOIL	SOIL
Sampling Date	08/12/17	08/12/17	08/12/17	08/12/17
Sampling Time	n/s	n/s	n/s	n/s

Test	Method	LOD	Units				
4,4-DDT	DETSC 3441*	0.1	mg/kg				< 0.1
Endosulphan sulphate	DETSC 3441*	0.1	mg/kg				< 0.1
Methoxychlor	DETSC 3441*	0.1	mg/kg				< 0.1
Endrin ketone	DETSC 3441*	0.1	mg/kg				< 0.1
<b>OPPs</b>							
Dichlorvos	DETSC 3443*	0.1	mg/kg				< 0.1
Mevinphos	DETSC 3443*	0.1	mg/kg				< 0.1
Demeton-O	DETSC 3443*	0.1	mg/kg				< 0.1
Ethoprop	DETSC 3443*	0.1	mg/kg				< 0.1
Naled	DETSC 3443*	0.1	mg/kg				< 0.1
Phorate	DETSC 3443*	0.1	mg/kg				< 0.1
Demeton-S	DETSC 3443*	0.1	mg/kg				< 0.1
Diazinon	DETSC 3443*	0.1	mg/kg				< 0.1
Disulfoton	DETSC 3443*	0.1	mg/kg				< 0.1
Methylparathion	DETSC 3443*	0.1	mg/kg				< 0.1
Ronnel	DETSC 3443*	0.1	mg/kg				< 0.1
Fenthion	DETSC 3443*	0.1	mg/kg				< 0.1
Chlopyrifos	DETSC 3443*	0.1	mg/kg				< 0.1
Trichlorinate	DETSC 3443*	0.1	mg/kg				< 0.1
Merphos	DETSC 3443*	0.1	mg/kg				< 0.1
Stirofos	DETSC 3443*	0.1	mg/kg				< 0.1
Tokuthion	DETSC 3443*	0.1	mg/kg				< 0.1
Fensulfothion	DETSC 3443*	0.1	mg/kg				< 0.1
Bolstar	DETSC 3443*	0.1	mg/kg				< 0.1
Azinphos methyl	DETSC 3443*	0.1	mg/kg				< 0.1
Coumaphos	DETSC 3443*	0.1	mg/kg				< 0.1
<b>Triazines</b>							
Atraton	DETSC 3445*	0.1	mg/kg				< 0.1
Prometon	DETSC 3445*	0.1	mg/kg				< 0.1
Simazine	DETSC 3445*	0.1	mg/kg				< 0.1
Atrazine	DETSC 3445*	0.1	mg/kg				< 0.1
Propazine	DETSC 3445*	0.1	mg/kg				< 0.1
Terbutylazine	DETSC 3445*	0.1	mg/kg				< 0.1
Secbumeton	DETSC 3445*	0.1	mg/kg				< 0.1
Symetryn	DETSC 3445*	0.1	mg/kg				< 0.1
Ametryn	DETSC 3445*	0.1	mg/kg				< 0.1
Prometryne	DETSC 3445*	0.1	mg/kg				< 0.1
Terbutryn	DETSC 3445*	0.1	mg/kg				< 0.1

## Summary of Asbestos Analysis

### Soil Samples

*Our Ref* 17-18225

*Client Ref* P17-517

*Contract Title* P17-517 Longbar, Glengarnock

Lab No	Sample ID	Material Type	Result	Comment*	Analyst
1273222	BH01 0.50	SOIL	NAD	none	Michael Rutherford
1273224	BH02 0.50	SOIL	NAD	none	Michael Rutherford
1273225	BH03 0.50	SOIL	NAD	none	Michael Rutherford
1273227	BH04 0.50	SOIL	NAD	none	Michael Rutherford
1273228	BH6 0.50	SOIL	NAD	none	Michael Rutherford

Crocidolite = Blue Asbestos, Amosite = Brown Asbestos, Chrysotile = White Asbestos. Anthophyllite, Actinolite and Tremolite are other forms of Asbestos. Samples are analysed by DETSC 1101 using polarised light microscopy in accordance with HSG248 and documented in-house methods. NAD = No Asbestos Detected. Where a sample is NAD, the result is based on analysis of at least 2 sub-samples and should be taken to mean 'no asbestos detected in sample'. Key: \* - not included in laboratory scope of accreditation.

## Information in Support of the Analytical Results

Our Ref 17-18225  
 Client Ref P17-517  
 Contract P17-517 Longbar, Glengarnock

### Containers Received & Deviating Samples

Lab No	Sample ID	Date Sampled	Containers Received	Holding time exceeded for tests	Inappropriate container for tests
1273221	BH01 0.20 SOIL	08/12/17	GJ 250ml, PT 500ml		
1273222	BH01 0.50 SOIL	08/12/17	GJ 250ml, PT 500ml		
1273223	BH02 0.20 SOIL	08/12/17	GJ 250ml, PT 500ml		
1273224	BH02 0.50 SOIL	08/12/17	GJ 250ml, PT 500ml		
1273225	BH03 0.50 SOIL	08/12/17	GJ 250ml, PT 500ml		
1273226	BH04 0.20 SOIL	08/12/17	GJ 250ml, PT 500ml		
1273227	BH04 0.50 SOIL	08/12/17	GJ 250ml, PT 500ml		
1273228	BH6 0.50 SOIL	08/12/17	GJ 250ml, PT 500ml		
1273229	BH07 0.20 SOIL	08/12/17	GJ 250ml, PT 500ml		
1273230	BH07 0.50 SOIL	08/12/17	GJ 250ml, PT 500ml		

Key: G-Glass P-Plastic J-Jar T-Tub

DETS cannot be held responsible for the integrity of samples received whereby the laboratory did not undertake the sampling. In this instance samples received may be deviating. Deviating Sample criteria are based on British and International standards and laboratory trials in conjunction with the UKAS note 'Guidance on Deviating Samples'. All samples received are listed above. However, those samples that have additional comments in relation to hold time, inappropriate containers etc are deviating due to the reasons stated. This means that the analysis is accredited where applicable, but results may be compromised due to sample deviations. If no sampled date (soils) or date+time (waters) has been supplied then samples are deviating. However, if you are able to supply a sampled date (and time for waters) this will prevent samples being reported as deviating where specific hold times are not exceeded and where the container supplied is suitable.

### Soil Analysis Notes

Inorganic soil analysis was carried out on a dried sample, crushed to pass a 425µm sieve, in accordance with BS1377.

Organic soil analysis was carried out on an 'as received' sample. Organics results are corrected for moisture and expressed on a dry weight basis.

The Loss on Drying, used to express organics analysis on an air dried basis, is carried out at a temperature of 28°C +/-2°C.

### Disposal

From the issue date of this test certificate, samples will be held for the following times prior to disposal :-

Soils - 1 month, Liquids - 2 weeks, Asbestos (test portion) - 6 months



# DETS

## Certificate of Analysis

*Certificate Number* 17-18898

03-Jan-18

*Client* Mason Evans Partnership  
95 Morrison Street  
Glasgow  
G5 8BE

*Our Reference* 17-18898

*Client Reference* P17-517

*Order No* N HANDS

*Contract Title* P17-517 GLENGARNOCK

*Description* 15 Soil samples, 8 Leachate samples.

*Date Received* 19-Dec-17

*Date Started* 19-Dec-17

*Date Completed* 03-Jan-18

*Test Procedures* Identified by prefix DETSn (details on request).

*Notes* Opinions and interpretations are outside the laboratory's scope of ISO 17025 accreditation. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.

*Approved By*



Adam Fenwick  
Contracts Manager



# Summary of Chemical Analysis

## Soil Samples

Our Ref 17-18898

Client Ref P17-517

Contract Title P17-517 GLENGARNOCK

Lab No	1276882	1276883	1276884	1276885	1276886
Sample ID	TP12	TP1	TP23	TP4	TP11
Depth	0.30	0.50	0.50	0.50	0.50
Other ID					
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL
Sampling Date	06/12/17	06/12/17	06/12/17	06/12/17	06/12/17
Sampling Time	n/s	n/s	n/s	n/s	n/s

Test	Method	LOD	Units					
Subcon to CSL	\$	0				Y		
CSL Subcon Prep	\$	0				Y		
<b>Preparation</b>								
Moisture Content %	DETSC 1004	0.1	%			29	28	30
<b>Metals</b>								
Arsenic mg/kg	DETSC 2301#	0.2	mg/kg			7.4	7.2	8.3
Boron, Water Soluble mg/kg	DETSC 2123#	0.2	mg/kg			0.8	1.0	0.3
Cadmium mg/kg	DETSC 2301#	0.1	mg/kg			< 0.1	< 0.1	< 0.1
Chromium mg/kg	DETSC 2301#	0.15	mg/kg			37	37	53
Chromium, Hexavalent mg/kg	DETSC 2204*	1	mg/kg			< 1.0	< 1.0	< 1.0
Copper mg/kg	DETSC 2301#	0.2	mg/kg			30	34	32
Lead mg/kg	DETSC 2301#	0.3	mg/kg			57	64	47
Mercury mg/kg	DETSC 2325#	0.05	mg/kg			0.08	0.09	0.05
Nickel mg/kg	DETSC 2301#	1	mg/kg			26	28	34
Selenium mg/kg	DETSC 2301#	0.5	mg/kg			< 0.5	< 0.5	1.8
Zinc mg/kg	DETSC 2301#	1	mg/kg			72	85	86
<b>Inorganics</b>								
pH	DETSC 2008#					6.0	6.1	6.2
Cyanide, Total mg/kg	DETSC 2130#	0.1	mg/kg			0.6	0.7	0.5
Total Organic Carbon %	DETSC 2084#	0.5	%			3.3	3.9	3.2
Organic Matter (by calculation) %	*	0.1	%			4.7	5.3	2.9
Sulphide mg/kg	DETSC 2024*	10	mg/kg			45	37	< 10
Sulphate as SO4, Total %	DETSC 2321#	0.01	%			0.07	0.07	0.07
<b>Petroleum Hydrocarbons</b>								
Aliphatic C5-C6 mg/kg	DETSC 3321*	0.01	mg/kg			< 0.01	< 0.01	< 0.01
Aliphatic C6-C8 mg/kg	DETSC 3321*	0.01	mg/kg			< 0.01	< 0.01	< 0.01
Aliphatic C8-C10 mg/kg	DETSC 3321*	0.01	mg/kg			< 0.01	< 0.01	< 0.01
Aliphatic C10-C12 mg/kg	DETSC 3072#	1.5	mg/kg			< 1.5	< 1.5	< 1.5
Aliphatic C12-C16 mg/kg	DETSC 3072#	1.2	mg/kg			< 1.2	< 1.2	< 1.2
Aliphatic C16-C21 mg/kg	DETSC 3072#	1.5	mg/kg			< 1.5	< 1.5	< 1.5
Aliphatic C16-C35 mg/kg	DETSC 3072#	4.9	mg/kg			< 4.9	< 4.9	< 4.9
Aliphatic C21-C35 mg/kg	DETSC 3072#	3.4	mg/kg			< 3.4	< 3.4	< 3.4
Aliphatic C5-C35 mg/kg	DETSC 3072*	10	mg/kg			< 10	< 10	< 10
Aromatic C5-C7 mg/kg	DETSC 3321*	0.01	mg/kg			< 0.01	< 0.01	< 0.01
Aromatic C7-C8 mg/kg	DETSC 3321*	0.01	mg/kg			< 0.01	< 0.01	< 0.01
Aromatic C8-C10 mg/kg	DETSC 3321*	0.01	mg/kg			< 0.01	< 0.01	< 0.01
Aromatic C10-C12 mg/kg	DETSC 3072#	0.9	mg/kg			< 0.9	< 0.9	< 0.9
Aromatic C12-C16 mg/kg	DETSC 3072#	0.5	mg/kg			< 0.5	< 0.5	< 0.5
Aromatic C16-C21 mg/kg	DETSC 3072#	0.6	mg/kg			< 0.6	< 0.6	< 0.6
Aromatic C21-C35 mg/kg	DETSC 3072#	1.4	mg/kg			< 1.4	< 1.4	< 1.4
Aromatic C5-C35 mg/kg	DETSC 3072*	10	mg/kg			< 10	< 10	< 10
TPH Ali/Aro Total mg/kg	DETSC 3072*	10	mg/kg			< 10	< 10	< 10



## Summary of Chemical Analysis Soil Samples

Our Ref 17-18898

Client Ref P17-517

Contract Title P17-517 GLENGARNOCK

Lab No	1276882	1276883	1276884	1276885	1276886
Sample ID	TP12	TP1	TP23	TP4	TP11
Depth	0.30	0.50	0.50	0.50	0.50
Other ID					
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL
Sampling Date	06/12/17	06/12/17	06/12/17	06/12/17	06/12/17
Sampling Time	n/s	n/s	n/s	n/s	n/s

Test	Method	LOD	Units					
<b>PAHs</b>								
Naphthalene mg/kg	DETSC 3301	0.1	mg/kg			< 0.1	< 0.1	< 0.1
Acenaphthylene mg/kg	DETSC 3301	0.1	mg/kg			< 0.1	< 0.1	< 0.1
Acenaphthene mg/kg	DETSC 3301	0.1	mg/kg			< 0.1	< 0.1	< 0.1
Fluorene mg/kg	DETSC 3301	0.1	mg/kg			< 0.1	< 0.1	< 0.1
Phenanthrene mg/kg	DETSC 3301	0.1	mg/kg			< 0.1	< 0.1	< 0.1
Anthracene mg/kg	DETSC 3301	0.1	mg/kg			< 0.1	< 0.1	< 0.1
Fluoranthene mg/kg	DETSC 3301	0.1	mg/kg			< 0.1	< 0.1	< 0.1
Pyrene mg/kg	DETSC 3301	0.1	mg/kg			< 0.1	< 0.1	< 0.1
Benzo(a)anthracene mg/kg	DETSC 3301	0.1	mg/kg			< 0.1	< 0.1	< 0.1
Chrysene mg/kg	DETSC 3301	0.1	mg/kg			< 0.1	< 0.1	< 0.1
Benzo(b)fluoranthene mg/kg	DETSC 3301	0.1	mg/kg			< 0.1	< 0.1	< 0.1
Benzo(k)fluoranthene mg/kg	DETSC 3301	0.1	mg/kg			< 0.1	< 0.1	< 0.1
Benzo(a)pyrene mg/kg	DETSC 3301	0.1	mg/kg			< 0.1	< 0.1	< 0.1
Indeno(1,2,3-c,d)pyrene mg/kg	DETSC 3301	0.1	mg/kg			< 0.1	< 0.1	< 0.1
Dibenzo(a,h)anthracene mg/kg	DETSC 3301	0.1	mg/kg			< 0.1	< 0.1	< 0.1
Benzo(g,h,i)perylene mg/kg	DETSC 3301	0.1	mg/kg			< 0.1	< 0.1	< 0.1
PAH Total mg/kg	DETSC 3301	1.6	mg/kg			< 1.6	< 1.6	< 1.6
<b>PCBs</b>								
PCB 28 + PCB 31 mg/kg	DETSC 3401#	0.01	mg/kg	< 0.01				
PCB 52 mg/kg	DETSC 3401#	0.01	mg/kg	< 0.01				
PCB 101 mg/kg	DETSC 3401#	0.01	mg/kg	< 0.01				
PCB 118 mg/kg	DETSC 3401#	0.01	mg/kg	< 0.01				
PCB 153 mg/kg	DETSC 3401#	0.01	mg/kg	< 0.01				
PCB 138 mg/kg	DETSC 3401#	0.01	mg/kg	< 0.01				
PCB 180 mg/kg	DETSC 3401#	0.01	mg/kg	< 0.01				
PCB 7 Total mg/kg	DETSC 3401#	0.01	mg/kg	< 0.01				
<b>Phenols</b>								
Phenol - Monohydric mg/kg	DETSC 2130#	0.3	mg/kg			< 0.3	0.7	< 0.3
<b>Subcontracted</b>								
Coliforms	§*		cfu/g			<20		
E Coli	§*		cfu/g			<20		
Faecal Coliforms	§*		cfu/g			<20		
Salmonella	§*		cfu/g			None Detected		

# Summary of Chemical Analysis

## Soil Samples

Our Ref 17-18898

Client Ref P17-517

Contract Title P17-517 GLENGARNOCK

Lab No	1276887	1276888	1276889	1276890	1276891	1276892
Sample ID	TP7	TP15	TP21	TP27	TP3	TP6
Depth	0.50	0.30	0.50	0.50	0.30	0.30
Other ID						
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sampling Date	06/12/17	06/12/17	06/12/17	06/12/17	06/12/17	06/12/17
Sampling Time	n/s	n/s	n/s	n/s	n/s	n/s

Test	Method	LOD	Units						
Subcon to CSL	\$	0							
CSL Subcon Prep	\$	0							
<b>Preparation</b>									
Moisture Content %	DETSC 1004	0.1	%	29	33	33	26	34	13
<b>Metals</b>									
Arsenic mg/kg	DETSC 2301#	0.2	mg/kg	5.7	7.7	13	9.9	12	22
Boron, Water Soluble mg/kg	DETSC 2123#	0.2	mg/kg	0.5	0.5	0.5	0.7	0.8	1.9
Cadmium mg/kg	DETSC 2301#	0.1	mg/kg	< 0.1	0.2	< 0.1	< 0.1	0.2	0.8
Chromium mg/kg	DETSC 2301#	0.15	mg/kg	33	41	46	47	41	44
Chromium, Hexavalent mg/kg	DETSC 2204*	1	mg/kg	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Copper mg/kg	DETSC 2301#	0.2	mg/kg	21	25	44	46	58	120
Lead mg/kg	DETSC 2301#	0.3	mg/kg	37	26	150	35	100	230
Mercury mg/kg	DETSC 2325#	0.05	mg/kg	< 0.05	< 0.05	0.12	< 0.05	0.10	0.21
Nickel mg/kg	DETSC 2301#	1	mg/kg	27	31	63	46	38	53
Selenium mg/kg	DETSC 2301#	0.5	mg/kg	< 0.5	< 0.5	0.6	< 0.5	1.1	1.1
Zinc mg/kg	DETSC 2301#	1	mg/kg	68	42	91	68	130	170
<b>Inorganics</b>									
pH	DETSC 2008#			6.6	6.6	6.3	6.5	6.3	6.7
Cyanide, Total mg/kg	DETSC 2130#	0.1	mg/kg	0.2	0.1	0.3	0.2	0.7	1.0
Total Organic Carbon %	DETSC 2084#	0.5	%	2.2	2.8	4.5	3.0	5.0	9.3
Organic Matter (by calculation) %	*	0.1	%	3.3	3.9	7.2	3.9	6.2	14
Sulphide mg/kg	DETSC 2024*	10	mg/kg	33	16	24	< 10	20	82
Sulphate as SO4, Total %	DETSC 2321#	0.01	%	0.03	0.03	0.09	0.04	0.10	0.17
<b>Petroleum Hydrocarbons</b>									
Aliphatic C5-C6 mg/kg	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic C6-C8 mg/kg	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic C8-C10 mg/kg	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic C10-C12 mg/kg	DETSC 3072#	1.5	mg/kg	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Aliphatic C12-C16 mg/kg	DETSC 3072#	1.2	mg/kg	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Aliphatic C16-C21 mg/kg	DETSC 3072#	1.5	mg/kg	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Aliphatic C16-C35 mg/kg	DETSC 3072#	4.9	mg/kg	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9
Aliphatic C21-C35 mg/kg	DETSC 3072#	3.4	mg/kg	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4
Aliphatic C5-C35 mg/kg	DETSC 3072*	10	mg/kg	< 10	< 10	< 10	< 10	< 10	< 10
Aromatic C5-C7 mg/kg	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic C7-C8 mg/kg	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic C8-C10 mg/kg	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic C10-C12 mg/kg	DETSC 3072#	0.9	mg/kg	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9
Aromatic C12-C16 mg/kg	DETSC 3072#	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Aromatic C16-C21 mg/kg	DETSC 3072#	0.6	mg/kg	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Aromatic C21-C35 mg/kg	DETSC 3072#	1.4	mg/kg	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Aromatic C5-C35 mg/kg	DETSC 3072*	10	mg/kg	< 10	< 10	< 10	< 10	< 10	< 10
TPH Ali/Aro Total mg/kg	DETSC 3072*	10	mg/kg	< 10	< 10	< 10	< 10	< 10	< 10



# Summary of Chemical Analysis

## Soil Samples

Our Ref 17-18898

Client Ref P17-517

Contract Title P17-517 GLENGARNOCK

Lab No	1276887	1276888	1276889	1276890	1276891	1276892
Sample ID	TP7	TP15	TP21	TP27	TP3	TP6
Depth	0.50	0.30	0.50	0.50	0.30	0.30
Other ID						
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sampling Date	06/12/17	06/12/17	06/12/17	06/12/17	06/12/17	06/12/17
Sampling Time	n/s	n/s	n/s	n/s	n/s	n/s

Test	Method	LOD	Units						
<b>PAHs</b>									
Naphthalene mg/kg	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthylene mg/kg	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthene mg/kg	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Fluorene mg/kg	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Phenanthrene mg/kg	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Anthracene mg/kg	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Fluoranthene mg/kg	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.3
Pyrene mg/kg	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.3
Benzo(a)anthracene mg/kg	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Chrysene mg/kg	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(b)fluoranthene mg/kg	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(k)fluoranthene mg/kg	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(a)pyrene mg/kg	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Indeno(1,2,3-c,d)pyrene mg/kg	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Dibenzo(a,h)anthracene mg/kg	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(g,h,i)perylene mg/kg	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
PAH Total mg/kg	DETSC 3301	1.6	mg/kg	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
<b>PCBs</b>									
PCB 28 + PCB 31 mg/kg	DETSC 3401#	0.01	mg/kg						
PCB 52 mg/kg	DETSC 3401#	0.01	mg/kg						
PCB 101 mg/kg	DETSC 3401#	0.01	mg/kg						
PCB 118 mg/kg	DETSC 3401#	0.01	mg/kg						
PCB 153 mg/kg	DETSC 3401#	0.01	mg/kg						
PCB 138 mg/kg	DETSC 3401#	0.01	mg/kg						
PCB 180 mg/kg	DETSC 3401#	0.01	mg/kg						
PCB 7 Total mg/kg	DETSC 3401#	0.01	mg/kg						
<b>Phenols</b>									
Phenol - Monohydric mg/kg	DETSC 2130#	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	1.2
<b>Subcontracted</b>									
Coliforms	§*		cfu/g						
E Coli	§*		cfu/g						
Faecal Coliforms	§*		cfu/g						
Salmonella	§*		cfu/g						

## Summary of Chemical Analysis

### Soil Samples

Our Ref 17-18898

Client Ref P17-517

Contract Title P17-517 GLENGARNOCK

Lab No	1276893	1276894	1276895	1276896
Sample ID	TP13	TP24	TP28	TP25
Depth	0.50	0.30	0.80	0.80
Other ID				
Sample Type	SOIL	SOIL	SOIL	SOIL
Sampling Date	06/12/17	06/12/17	06/12/17	06/12/17
Sampling Time	n/s	n/s	n/s	n/s

Test	Method	LOD	Units				
Subcon to CSL	\$	0					
CSL Subcon Prep	\$	0					
<b>Preparation</b>							
Moisture Content %	DETSC 1004	0.1	%	25	31	27	9.2
<b>Metals</b>							
Arsenic mg/kg	DETSC 2301#	0.2	mg/kg	8.7	10	20	11
Boron, Water Soluble mg/kg	DETSC 2123#	0.2	mg/kg	0.6	0.8	0.6	1.3
Cadmium mg/kg	DETSC 2301#	0.1	mg/kg	0.5	0.5	< 0.1	< 0.1
Chromium mg/kg	DETSC 2301#	0.15	mg/kg	43	47	37	44
Chromium, Hexavalent mg/kg	DETSC 2204*	1	mg/kg	< 1.0	< 1.0	< 1.0	< 1.0
Copper mg/kg	DETSC 2301#	0.2	mg/kg	23	48	46	48
Lead mg/kg	DETSC 2301#	0.3	mg/kg	77	76	47	39
Mercury mg/kg	DETSC 2325#	0.05	mg/kg	< 0.05	0.09	< 0.05	< 0.05
Nickel mg/kg	DETSC 2301#	1	mg/kg	33	43	160	55
Selenium mg/kg	DETSC 2301#	0.5	mg/kg	< 0.5	1.6	2.2	< 0.5
Zinc mg/kg	DETSC 2301#	1	mg/kg	140	120	86	47
<b>Inorganics</b>							
pH	DETSC 2008#			6.7	6.3	7.0	5.2
Cyanide, Total mg/kg	DETSC 2130#	0.1	mg/kg	0.2	0.6	< 0.1	< 0.1
Total Organic Carbon %	DETSC 2084#	0.5	%	1.6	4.0	1.3	4.4
Organic Matter (by calculation) %	*	0.1	%	1.5	4.9	2.5	3.3
Sulphide mg/kg	DETSC 2024*	10	mg/kg	< 10	16	< 10	45
Sulphate as SO4, Total %	DETSC 2321#	0.01	%	0.03	0.10	0.06	0.07
<b>Petroleum Hydrocarbons</b>							
Aliphatic C5-C6 mg/kg	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic C6-C8 mg/kg	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic C8-C10 mg/kg	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic C10-C12 mg/kg	DETSC 3072#	1.5	mg/kg	< 1.5	< 1.5	< 1.5	< 1.5
Aliphatic C12-C16 mg/kg	DETSC 3072#	1.2	mg/kg	< 1.2	< 1.2	< 1.2	< 1.2
Aliphatic C16-C21 mg/kg	DETSC 3072#	1.5	mg/kg	< 1.5	< 1.5	< 1.5	< 1.5
Aliphatic C16-C35 mg/kg	DETSC 3072#	4.9	mg/kg	< 4.9	< 4.9	< 4.9	< 4.9
Aliphatic C21-C35 mg/kg	DETSC 3072#	3.4	mg/kg	< 3.4	< 3.4	< 3.4	< 3.4
Aliphatic C5-C35 mg/kg	DETSC 3072*	10	mg/kg	< 10	< 10	< 10	< 10
Aromatic C5-C7 mg/kg	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic C7-C8 mg/kg	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic C8-C10 mg/kg	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic C10-C12 mg/kg	DETSC 3072#	0.9	mg/kg	< 0.9	< 0.9	< 0.9	< 0.9
Aromatic C12-C16 mg/kg	DETSC 3072#	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Aromatic C16-C21 mg/kg	DETSC 3072#	0.6	mg/kg	< 0.6	< 0.6	< 0.6	< 0.6
Aromatic C21-C35 mg/kg	DETSC 3072#	1.4	mg/kg	< 1.4	< 1.4	< 1.4	< 1.4
Aromatic C5-C35 mg/kg	DETSC 3072*	10	mg/kg	< 10	< 10	< 10	< 10
TPH Ali/Aro Total mg/kg	DETSC 3072*	10	mg/kg	< 10	< 10	< 10	< 10

## Summary of Chemical Analysis Soil Samples

Our Ref 17-18898

Client Ref P17-517

Contract Title P17-517 GLENGARNOCK

Lab No	1276893	1276894	1276895	1276896
Sample ID	TP13	TP24	TP28	TP25
Depth	0.50	0.30	0.80	0.80
Other ID				
Sample Type	SOIL	SOIL	SOIL	SOIL
Sampling Date	06/12/17	06/12/17	06/12/17	06/12/17
Sampling Time	n/s	n/s	n/s	n/s

Test	Method	LOD	Units				
<b>PAHs</b>							
Naphthalene mg/kg	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthylene mg/kg	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthene mg/kg	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Fluorene mg/kg	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Phenanthrene mg/kg	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Anthracene mg/kg	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Fluoranthene mg/kg	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Pyrene mg/kg	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(a)anthracene mg/kg	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Chrysene mg/kg	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(b)fluoranthene mg/kg	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(k)fluoranthene mg/kg	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(a)pyrene mg/kg	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Indeno(1,2,3-c,d)pyrene mg/kg	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibenzo(a,h)anthracene mg/kg	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(g,h,i)perylene mg/kg	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
PAH Total mg/kg	DETSC 3301	1.6	mg/kg	< 1.6	< 1.6	< 1.6	< 1.6
<b>PCBs</b>							
PCB 28 + PCB 31 mg/kg	DETSC 3401#	0.01	mg/kg				
PCB 52 mg/kg	DETSC 3401#	0.01	mg/kg				
PCB 101 mg/kg	DETSC 3401#	0.01	mg/kg				
PCB 118 mg/kg	DETSC 3401#	0.01	mg/kg				
PCB 153 mg/kg	DETSC 3401#	0.01	mg/kg				
PCB 138 mg/kg	DETSC 3401#	0.01	mg/kg				
PCB 180 mg/kg	DETSC 3401#	0.01	mg/kg				
PCB 7 Total mg/kg	DETSC 3401#	0.01	mg/kg				
<b>Phenols</b>							
Phenol - Monohydric mg/kg	DETSC 2130#	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
<b>Subcontracted</b>							
Coliforms	§*		cfu/g				
E Coli	§*		cfu/g				
Faecal Coliforms	§*		cfu/g				
Salmonella	§*		cfu/g				

## Summary of Chemical Analysis

### Leachate Samples

Our Ref 17-18898

Client Ref P17-517

Contract Title P17-517 GLENGARNOCK

Lab No	1276897	1276898	1276899	1276900	1276901	1276902
Sample ID	TP1	TP23	TP4	TP11	TP7	TP15
Depth	0.50	0.50	0.50	0.50	0.50	0.30
Other ID						
Sample Type	LEACHATE	LEACHATE	LEACHATE	LEACHATE	LEACHATE	LEACHATE
Sampling Date	06/12/17	06/12/17	06/12/17	06/12/17	06/12/17	06/12/17
Sampling Time	n/s	n/s	n/s	n/s	n/s	n/s

Test	Method	LOD	Units						
<b>Preparation</b>									
Leachate 2:1 250g Non-WAC	DETS 036*			Y	Y	Y	Y	Y	Y
<b>Metals</b>									
Arsenic, Dissolved ug/l	DETS 2306	0.16	ug/l	0.18	0.18	0.20	< 0.16	0.20	< 0.16
Cadmium, Dissolved ug/l	DETS 2306	0.03	ug/l	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Calcium, Dissolved mg/l	DETS 2306	0.09	mg/l	11	1.2	1.2	1.1	0.91	2.1
Chromium, Dissolved ug/l	DETS 2306	0.25	ug/l	< 0.25	0.65	1.1	0.50	0.58	0.38
Copper, Dissolved ug/l	DETS 2306	0.4	ug/l	< 0.4	0.8	0.6	< 0.4	0.7	< 0.4
Lead, Dissolved ug/l	DETS 2306	0.09	ug/l	< 0.09	0.32	0.41	0.24	0.46	0.13
Magnesium, Dissolved mg/l	DETS 2306	0.02	mg/l	1.0	0.31	0.25	0.19	0.21	0.28
Mercury, Dissolved ug/l	DETS 2306	0.01	ug/l	< 0.01	< 0.01	0.01	< 0.01	< 0.01	< 0.01
Nickel, Dissolved ug/l	DETS 2306	0.5	ug/l	< 0.5	0.7	0.7	< 0.5	0.6	< 0.5
Selenium, Dissolved ug/l	DETS 2306	0.25	ug/l	1.1	0.64	0.58	0.32	0.37	0.38
Zinc, Dissolved ug/l	DETS 2306	1.3	ug/l	< 1.3	2.1	2.3	2.0	5.2	< 1.3
<b>Inorganics</b>									
Hardness mg/l	DETS 2303	0.1	mg/l	30.6	4.16	3.98	3.52	3.15	6.32
Sulphate as SO4 mg/l	DETS 2055	0.1	mg/l	4.6	5.1	2.3	2.7	4.5	2.6
Sulphide ug/l	DETS 2208	10	ug/l	< 10	< 10	< 10	< 10	< 10	< 10
<b>Phenols</b>									
Phenol ug/l	*	0.5	ug/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50

## Summary of Chemical Analysis

### Leachate Samples

Our Ref 17-18898

Client Ref P17-517

Contract Title P17-517 GLENGARNOCK

Lab No	1276903	1276904
Sample ID	TP21	TP27
Depth	0.50	0.50
Other ID		
Sample Type	LEACHATE	LEACHATE
Sampling Date	06/12/17	06/12/17
Sampling Time	n/s	n/s

Test	Method	LOD	Units		
<b>Preparation</b>					
Leachate 2:1 250g Non-WAC	DETS 036*			Y	Y
<b>Metals</b>					
Arsenic, Dissolved ug/l	DETSC 2306	0.16	ug/l	< 0.16	< 0.16
Cadmium, Dissolved ug/l	DETSC 2306	0.03	ug/l	< 0.03	< 0.03
Calcium, Dissolved mg/l	DETSC 2306	0.09	mg/l	1.7	0.78
Chromium, Dissolved ug/l	DETSC 2306	0.25	ug/l	< 0.25	0.34
Copper, Dissolved ug/l	DETSC 2306	0.4	ug/l	< 0.4	0.4
Lead, Dissolved ug/l	DETSC 2306	0.09	ug/l	0.38	0.16
Magnesium, Dissolved mg/l	DETSC 2306	0.02	mg/l	0.28	0.17
Mercury, Dissolved ug/l	DETSC 2306	0.01	ug/l	< 0.01	< 0.01
Nickel, Dissolved ug/l	DETSC 2306	0.5	ug/l	< 0.5	< 0.5
Selenium, Dissolved ug/l	DETSC 2306	0.25	ug/l	0.30	< 0.25
Zinc, Dissolved ug/l	DETSC 2306	1.3	ug/l	< 1.3	< 1.3
<b>Inorganics</b>					
Hardness mg/l	DETSC 2303	0.1	mg/l	5.45	2.63
Sulphate as SO4 mg/l	DETSC 2055	0.1	mg/l	3.8	2.2
Sulphide ug/l	DETSC 2208	10	ug/l	< 10	< 10
<b>Phenols</b>					
Phenol ug/l	*	0.5	ug/l	< 0.50	< 0.50

## Summary of Asbestos Analysis

### Soil Samples

*Our Ref* 17-18898

*Client Ref* P17-517

*Contract Title* P17-517 GLENGARNOCK

Lab No	Sample ID	Material Type	Result	Comment*	Analyst
1276884	TP23 0.50	SOIL	NAD	none	Chris Samms
1276885	TP4 0.50	SOIL	NAD	none	Chris Samms
1276886	TP11 0.50	SOIL	NAD	none	Chris Samms
1276887	TP7 0.50	SOIL	NAD	none	Chris Samms
1276888	TP15 0.30	SOIL	NAD	none	Chris Samms
1276889	TP21 0.50	SOIL	NAD	none	Chris Samms
1276890	TP27 0.50	SOIL	NAD	none	Chris Samms
1276891	TP3 0.30	SOIL	NAD	none	Chris Samms
1276892	TP6 0.30	SOIL	NAD	none	Chris Samms
1276893	TP13 0.50	SOIL	NAD	none	Chris Samms
1276894	TP24 0.30	SOIL	NAD	none	Chris Samms
1276895	TP28 0.80	SOIL	NAD	none	Chris Samms
1276896	TP25 0.80	SOIL	NAD	none	Chris Samms

Crocidolite = Blue Asbestos, Amosite = Brown Asbestos, Chrysotile = White Asbestos. Anthophyllite, Actinolite and Tremolite are other forms of Asbestos. Samples are analysed by DETSC 1101 using polarised light microscopy in accordance with HSG248 and documented in-house methods. NAD = No Asbestos Detected. Where a sample is NAD, the result is based on analysis of at least 2 sub-samples and should be taken to mean 'no asbestos detected in sample'. Key: \* - not included in laboratory scope of accreditation.



## Information in Support of the Analytical Results

Our Ref 17-18898  
 Client Ref P17-517  
 Contract P17-517 GLENGARNOCK

### Containers Received & Deviating Samples

Lab No	Sample ID	Date Sampled	Containers Received	Holding time exceeded for tests	Inappropriate container for tests
1276882	TP12 0.30 SOIL	06/12/17	GJ 250ml, PT 1L		
1276883	TP1 0.50 SOIL	06/12/17	GJ 250ml, PT 1L		
1276884	TP23 0.50 SOIL	06/12/17	GJ 250ml, PT 1L	pH + Conductivity (7 days)	
1276885	TP4 0.50 SOIL	06/12/17	GJ 250ml, PT 1L	pH + Conductivity (7 days)	
1276886	TP11 0.50 SOIL	06/12/17	GJ 250ml x2, PT 1L x2	pH + Conductivity (7 days)	
1276887	TP7 0.50 SOIL	06/12/17	GJ 250ml, PT 1L	pH + Conductivity (7 days)	
1276888	TP15 0.30 SOIL	06/12/17	GJ 250ml, PT 1L	pH + Conductivity (7 days)	
1276889	TP21 0.50 SOIL	06/12/17	GJ 250ml, PT 1L	pH + Conductivity (7 days)	
1276890	TP27 0.50 SOIL	06/12/17	GJ 250ml, PT 1L	pH + Conductivity (7 days)	
1276891	TP3 0.30 SOIL	06/12/17	GJ 250ml, PT 1L	pH + Conductivity (7 days)	
1276892	TP6 0.30 SOIL	06/12/17	PT 1L	pH + Conductivity (7 days)	Aliphatics/Aromatics, BTEX, Naphthalene, PAH FID
1276893	TP13 0.50 SOIL	06/12/17	GJ 250ml, PT 1L	pH + Conductivity (7 days)	
1276894	TP24 0.30 SOIL	06/12/17	GJ 250ml, PT 1L	pH + Conductivity (7 days)	
1276895	TP28 0.80 SOIL	06/12/17	GJ 250ml, PT 1L	pH + Conductivity (7 days)	
1276896	TP25 0.80 SOIL	06/12/17	GJ 250ml, PT 1L	pH + Conductivity (7 days)	
1276897	TP1 0.50 LEACHATE	06/12/17	GJ 250ml, PT 1L		
1276898	TP23 0.50 LEACHATE	06/12/17	No containers logged		Cannot evaluate
1276899	TP4 0.50 LEACHATE	06/12/17	No containers logged		Cannot evaluate
1276900	TP11 0.50 LEACHATE	06/12/17	No containers logged		Cannot evaluate
1276901	TP7 0.50 LEACHATE	06/12/17	No containers logged		Cannot evaluate
1276902	TP15 0.30 LEACHATE	06/12/17	No containers logged		Cannot evaluate
1276903	TP21 0.50 LEACHATE	06/12/17	No containers logged		Cannot evaluate
1276904	TP27 0.50 LEACHATE	06/12/17	No containers logged		Cannot evaluate

Key: G-Glass P-Plastic J-Jar T-Tub

DETS cannot be held responsible for the integrity of samples received whereby the laboratory did not undertake the sampling. In this instance samples received may be deviating. Deviating Sample criteria are based on British and International standards and laboratory trials in conjunction with the UKAS note 'Guidance on Deviating Samples'. All samples received are listed above. However, those samples that have additional comments in relation to hold time, inappropriate containers etc are deviating due to the reasons stated. This means that the analysis is accredited where applicable, but results may be compromised due to sample deviations. If no sampled date (soils) or date+time (waters) has been supplied then samples are deviating. However, if you are able to supply a sampled date (and time for waters) this will prevent samples being reported as deviating where specific hold times are not exceeded and where the container supplied is suitable.

### Soil Analysis Notes

Inorganic soil analysis was carried out on a dried sample, crushed to pass a 425µm sieve, in accordance with BS1377.

Organic soil analysis was carried out on an 'as received' sample. Organics results are corrected for moisture and expressed on a dry weight basis.

The Loss on Drying, used to express organics analysis on an air dried basis, is carried out at a temperature of 28°C +/-2°C.

### Disposal

From the issue date of this test certificate, samples will be held for the following times prior to disposal :-

Soils - 1 month, Liquids - 2 weeks, Asbestos (test portion) - 6 months

**Appendix 10**

**Geotechnical Laboratory Test Results**

## LABORATORY TEST CERTIFICATE

10 Queenslie Point  
Queenslie Industrial Estate  
120 Stepps Road  
Glasgow  
G33 3NQ

**Certificate No :** 17/1497 - 01  
**To :** Neil Hands  
**Client :** Mason Evans Partnership  
The Piazza  
95 Morrison Street  
Glasgow  
G5 8BE

Tel: 0141 774 4032  
Fax: 0141 774 3552

email: info@mattest.org  
Website: www.mattest.org

Dear Sirs,

### LABORATORY TESTING OF SOIL

#### Introduction

We refer to samples taken from Longbar, Glengarnock and delivered to our laboratory on 12th December 2017.

#### Material & Source

Sample Reference : See Report Plates  
Sampled By : Client  
Sampling Certificate : Not Supplied  
Location : See Report Plates  
Description : See Page 2  
Date Sampled : Not Supplied  
Date Tested : 12th December 2017 Onwards  
Source : Longbar, Glengarnock

#### Test Results;

As Detailed On Page 2 to Page 12 inclusive

#### Comments;

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation  
This report should not be reproduced except in full without the written approval of the laboratory  
All remaining samples for this project will be disposed of 28 days after issue of this test certificate

#### Remarks;

---

#### Approved for Issue

\_\_\_\_\_  
T McLelland (Director)

Date 21/12/2017



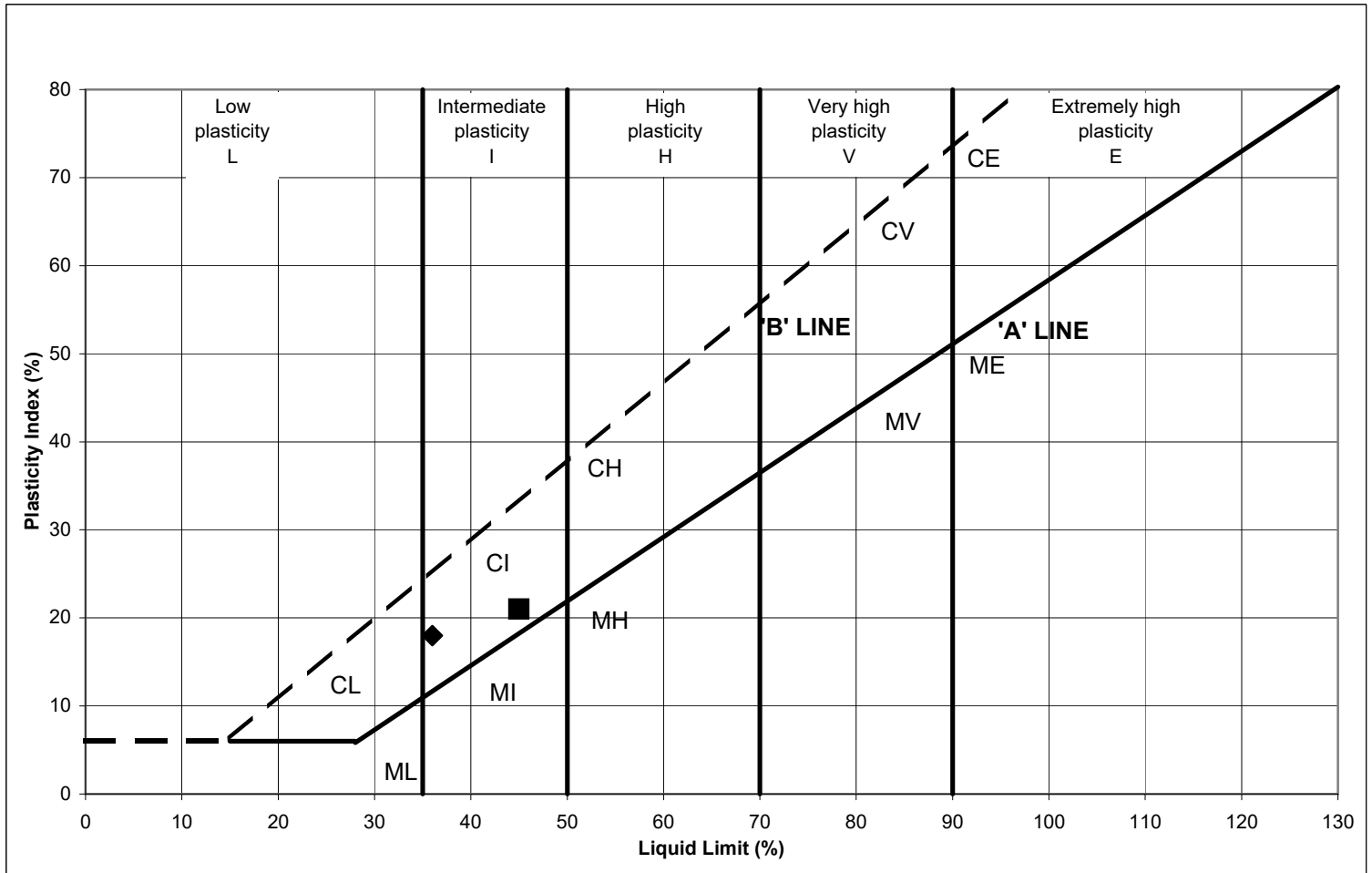
BOREHOLE	SAMPLE	DEPTH (m)	SAMPLE DESCRIPTION
BH01	U	1.00-1.80	Mottled dark brown sandy gravelly CLAY with cobbles. Gravel is fine to coarse.
BH03	D	1.00	Mottled brown slightly gravelly very sandy silty CLAY. Gravel is fine to medium.
BH04	D	1.00	Mottled brown slightly gravelly very sandy CLAY. Gravel is fine to medium.
BH06	U	1.00-1.90	Dark brown very sandy very gravelly silty CLAY. Gravel is fine to coarse.
BH07	U	1.00-1.80	Dark brown sandy very gravelly silty CLAY. Gravel is fine to coarse.

**SUMMARY OF SAMPLE DESCRIPTIONS**

BOREHOLE	SAMPLE	DEPTH (m)	MOISTURE CONTENT (%)
BH03	D	1.00	29
BH07	U	1.00	23

Tested in accordance with BS 1377: Part 2: 1990: Clause 3

### SUMMARY OF MOISTURE CONTENT TEST RESULTS

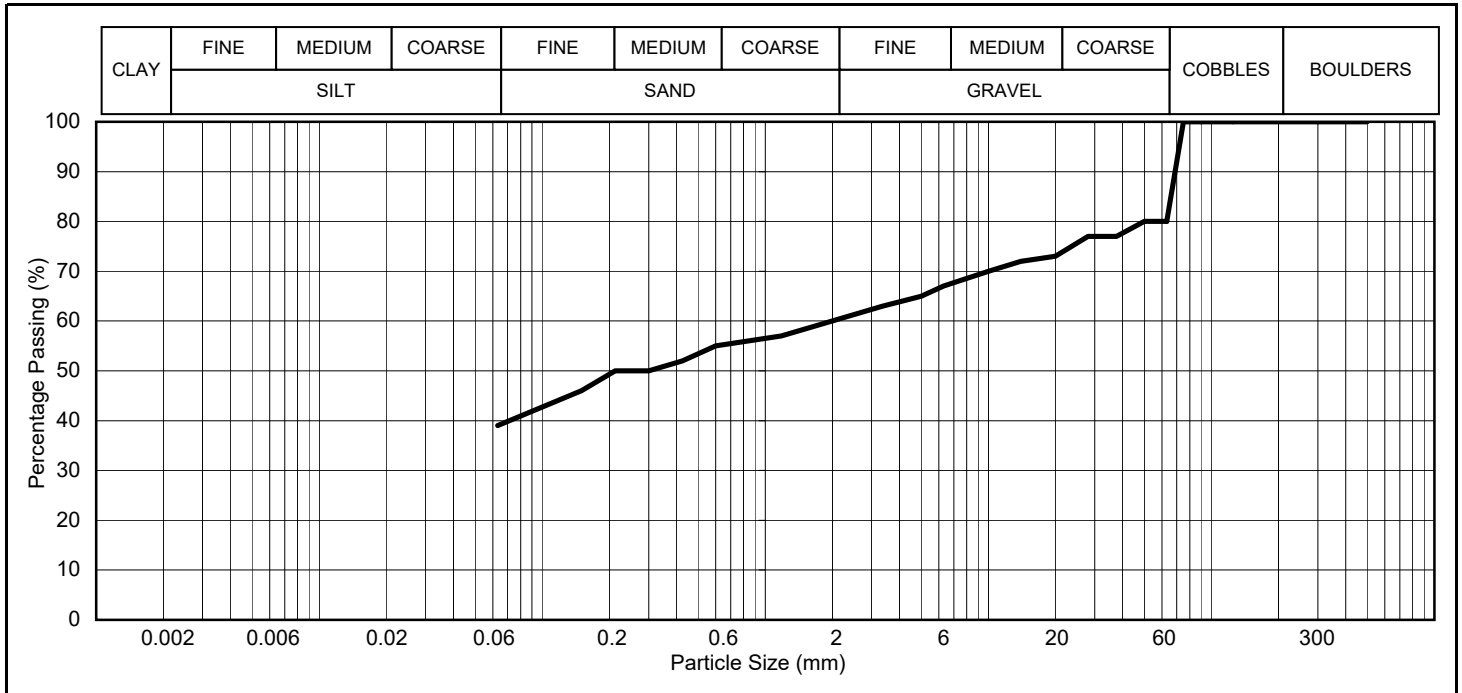


Symbol	Borehole	Sample	Depth	Moisture Content (%)	Liquid Limit (%)	Plastic Limit (%)	Plasticity Index (%)	% Passing 0.425mm Sieve	Remarks
■	BH03	D	1.00	29	45	24	21	60	Clay with intermediate plasticity
◆	BH07	U	1.50	23	36	18	18	38	Clay with intermediate plasticity
▲									
●									
□									
◇									
△									
○									
×									
*									

All samples were tested in accordance with BS 1377 : Part 2 : 1990 Clause 4.3, 5.3 and 5.4.  
 All samples were washed on a 0.425mm test sieve prior to test.

**SUMMARY OF ATTERBERG LIMITS TEST RESULTS**

Borehole	BH01
Sample	U
Depth (m)	1.00



SIEVING				SEDIMENTATION	
Sieve Size (mm)	Percentage Passing (%)	Specification		Particle Size (mm)	Percentage Passing (%)
		Not Applicable			
		Lower %	Upper %		
500.0	100	-	-	0.020	
300.0	100	-	-	0.006	
125.0	100	-	-	0.002	
90.0	100	-	-		
75.0	100	-	-		
63.0	80	-	-		
50.0	80	-	-		
37.5	77	-	-		
28.0	77	-	-		
20.0	73	-	-		
14.0	72	-	-		
10.0	70	-	-		
6.30	67	-	-		
5.00	65	-	-		
3.35	63	-	-		
2.00	60	-	-		
1.18	57	-	-		
0.600	55	-	-		
0.425	52	-	-		
0.300	50	-	-		
0.212	50	-	-		
0.150	46	-	-		
0.063	39	-	-		

GRADING CLASSIFICATION (SHW TABLE 6/2)					
-					
Grading classification proves the material has met the relevant grading requirements only. Further testing may be required to assess compliance with SHW.					

PERCENTAGE SOIL TYPES				
CLAY	SILT †	SAND	GRAVEL	COBBLES
/	39	21	20	20

UNIFORMITY COEFFICIENT (SHW TABLE 6/1 NOTE 5)				
D10		D60		Specification
-		-		

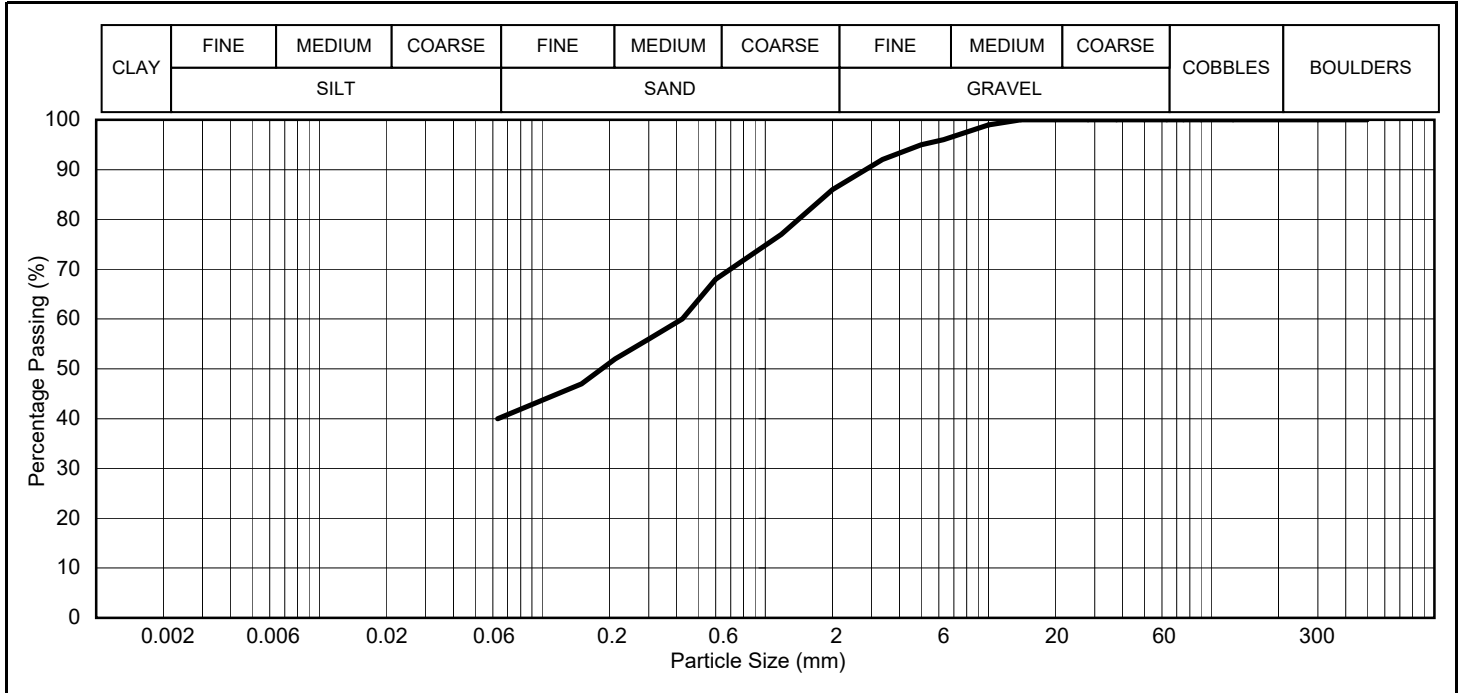
  

UNIFORMITY COEFFICIENT			
-			

**Remarks**

† Where a sedimentation test was not carried out, this figure represents total fines, i.e., particles of diameter less than 63 microns  
 Sample does not meet minimum mass requirement for material type

Borehole	BH03
Sample	D
Depth (m)	1.00



SIEVING				SEDIMENTATION	
Sieve Size (mm)	Percentage Passing (%)	Specification		Particle Size (mm)	Percentage Passing (%)
		Not Applicable			
		Lower %	Upper %		
500.0	100	-	-	0.020	
300.0	100	-	-	0.006	
125.0	100	-	-	0.002	
90.0	100	-	-		
75.0	100	-	-		
63.0	100	-	-		
50.0	100	-	-		
37.5	100	-	-		
28.0	100	-	-		
20.0	100	-	-		
14.0	100	-	-		
10.0	99	-	-		
6.30	96	-	-		
5.00	95	-	-		
3.35	92	-	-		
2.00	86	-	-		
1.18	77	-	-		
0.600	68	-	-		
0.425	60	-	-		
0.300	56	-	-		
0.212	52	-	-		
0.150	47	-	-		
0.063	40	-	-		

GRADING CLASSIFICATION (SHW TABLE 6/2)					
-					
Grading classification proves the material has met the relevant grading requirements only. Further testing may be required to assess compliance with SHW.					

PERCENTAGE SOIL TYPES					
CLAY	SILT †	SAND	GRAVEL	COBBLES	
/	40	46	14	0	

UNIFORMITY COEFFICIENT (SHW TABLE 6/1 NOTE 5)				
D10		D60		Specification
-		-		

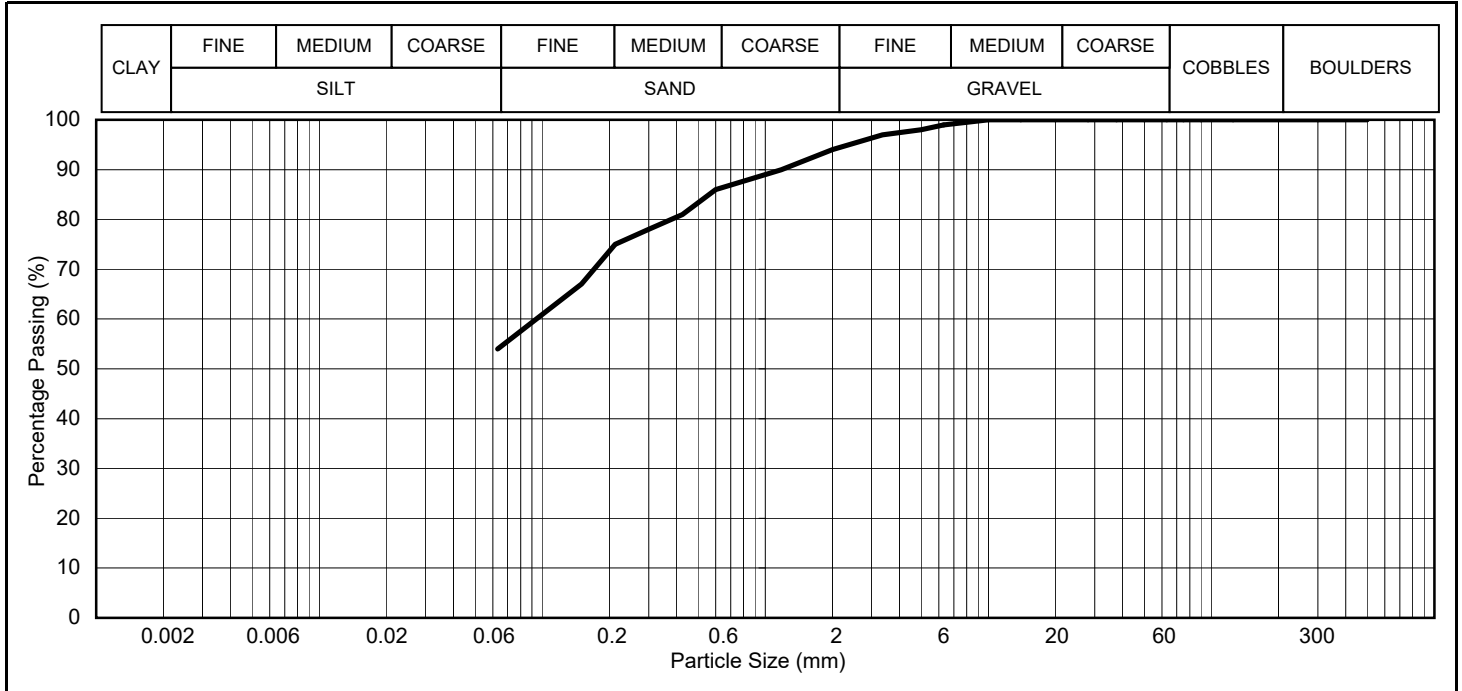
UNIFORMITY COEFFICIENT			
-			

**Remarks**

† Where a sedimentation test was not carried out, this figure represents total fines, i.e., particles of diameter less than 63 microns



Borehole	BH04
Sample	D
Depth (m)	1.00



SIEVING				SEDIMENTATION	
Sieve Size (mm)	Percentage Passing (%)	Specification		Particle Size (mm)	Percentage Passing (%)
		Not Applicable			
		Lower %	Upper %		
500.0	100	-	-	0.020	
300.0	100	-	-	0.006	
125.0	100	-	-	0.002	
90.0	100	-	-		
75.0	100	-	-		
63.0	100	-	-		
50.0	100	-	-		
37.5	100	-	-		
28.0	100	-	-		
20.0	100	-	-		
14.0	100	-	-		
10.0	100	-	-		
6.30	99	-	-		
5.00	98	-	-		
3.35	97	-	-		
2.00	94	-	-		
1.18	90	-	-		
0.600	86	-	-		
0.425	81	-	-		
0.300	78	-	-		
0.212	75	-	-		
0.150	67	-	-		
0.063	54	-	-		

GRADING CLASSIFICATION (SHW TABLE 6/2)					
-					
Grading classification proves the material has met the relevant grading requirements only. Further testing may be required to assess compliance with SHW.					

PERCENTAGE SOIL TYPES					
CLAY	SILT †	SAND	GRAVEL	COBBLES	
/	54	40	6	0	

UNIFORMITY COEFFICIENT (SHW TABLE 6/1 NOTE 5)				
D10		D60		Specification
-		-		

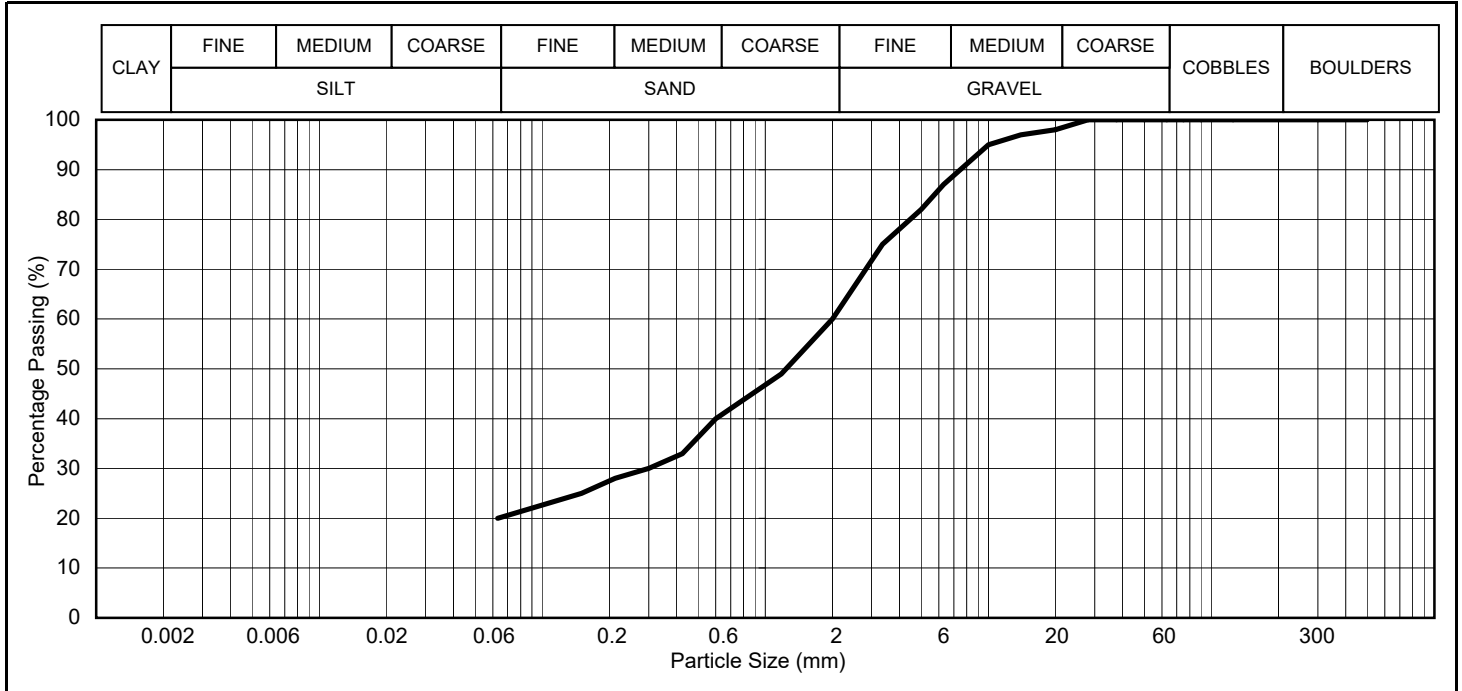
  

UNIFORMITY COEFFICIENT			
-			

**Remarks**

† Where a sedimentation test was not carried out, this figure represents total fines, i.e., particles of diameter less than 63 microns

Borehole	BH06
Sample	U
Depth (m)	1.00



SIEVING				SEDIMENTATION	
Sieve Size (mm)	Percentage Passing (%)	Specification		Particle Size (mm)	Percentage Passing (%)
		Not Applicable			
		Lower %	Upper %		
500.0	100	-	-	0.020	
300.0	100	-	-	0.006	
125.0	100	-	-	0.002	
90.0	100	-	-		
75.0	100	-	-		
63.0	100	-	-		
50.0	100	-	-		
37.5	100	-	-		
28.0	100	-	-		
20.0	98	-	-		
14.0	97	-	-		
10.0	95	-	-		
6.30	87	-	-		
5.00	82	-	-		
3.35	75	-	-		
2.00	60	-	-		
1.18	49	-	-		
0.600	40	-	-		
0.425	33	-	-		
0.300	30	-	-		
0.212	28	-	-		
0.150	25	-	-		
0.063	20	-	-		

GRADING CLASSIFICATION (SHW TABLE 6/2)					
-					
Grading classification proves the material has met the relevant grading requirements only. Further testing may be required to assess compliance with SHW.					

PERCENTAGE SOIL TYPES				
CLAY	SILT †	SAND	GRAVEL	COBBLES
/	20	40	40	0

UNIFORMITY COEFFICIENT (SHW TABLE 6/1 NOTE 5)				
D10		D60		Specification
-		-		

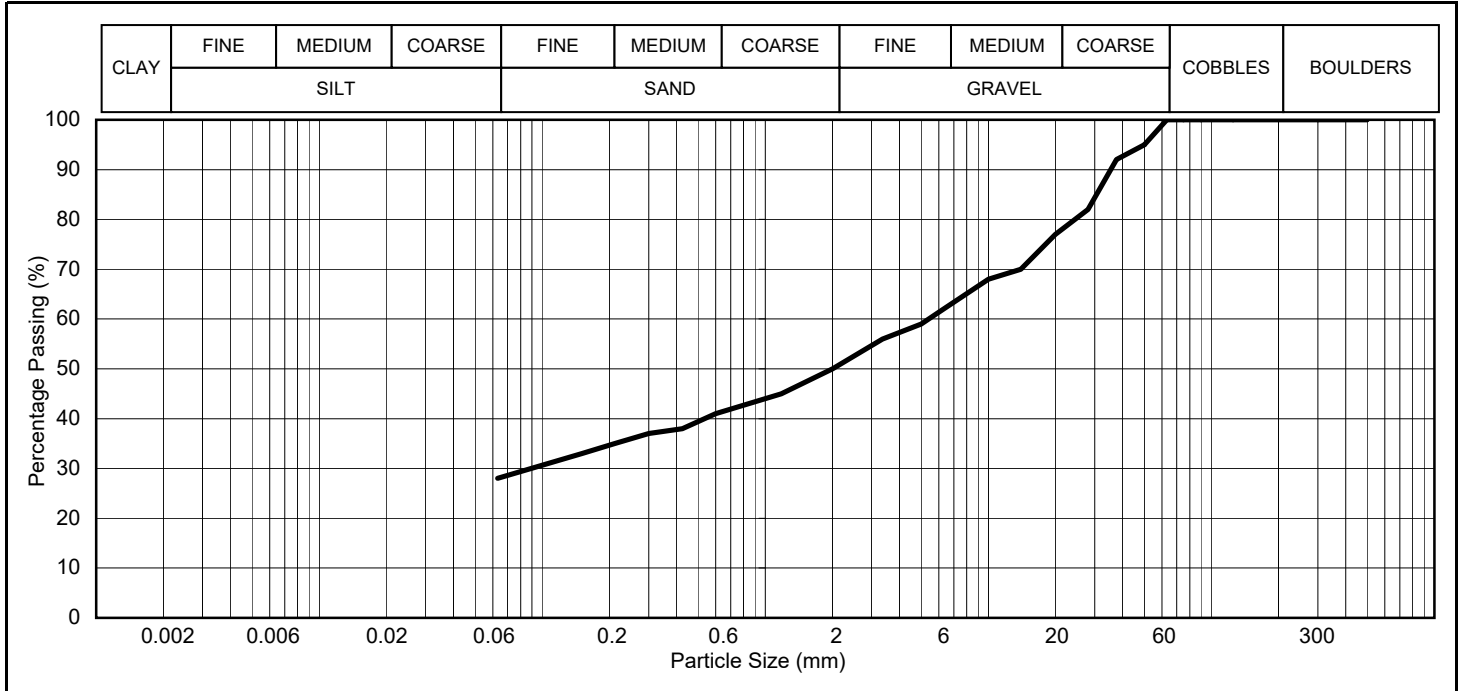
  

UNIFORMITY COEFFICIENT			
-			-

**Remarks**

† Where a sedimentation test was not carried out, this figure represents total fines, i.e., particles of diameter less than 63 microns

Borehole	BH07
Sample	U
Depth (m)	1.00



SIEVING				SEDIMENTATION	
Sieve Size (mm)	Percentage Passing (%)	Specification		Particle Size (mm)	Percentage Passing (%)
		Not Applicable			
		Lower %	Upper %		
500.0	100	-	-	0.020	
300.0	100	-	-	0.006	
125.0	100	-	-	0.002	
90.0	100	-	-		
75.0	100	-	-		
63.0	100	-	-		
50.0	95	-	-		
37.5	92	-	-		
28.0	82	-	-		
20.0	77	-	-		
14.0	70	-	-		
10.0	68	-	-		
6.30	62	-	-		
5.00	59	-	-		
3.35	56	-	-		
2.00	50	-	-		
1.18	45	-	-		
0.600	41	-	-		
0.425	38	-	-		
0.300	37	-	-		
0.212	35	-	-		
0.150	33	-	-		
0.063	28	-	-		

GRADING CLASSIFICATION (SHW TABLE 6/2)					
-					
Grading classification proves the material has met the relevant grading requirements only. Further testing may be required to assess compliance with SHW.					

PERCENTAGE SOIL TYPES				
CLAY	SILT †	SAND	GRAVEL	COBBLES
/	28	22	50	0

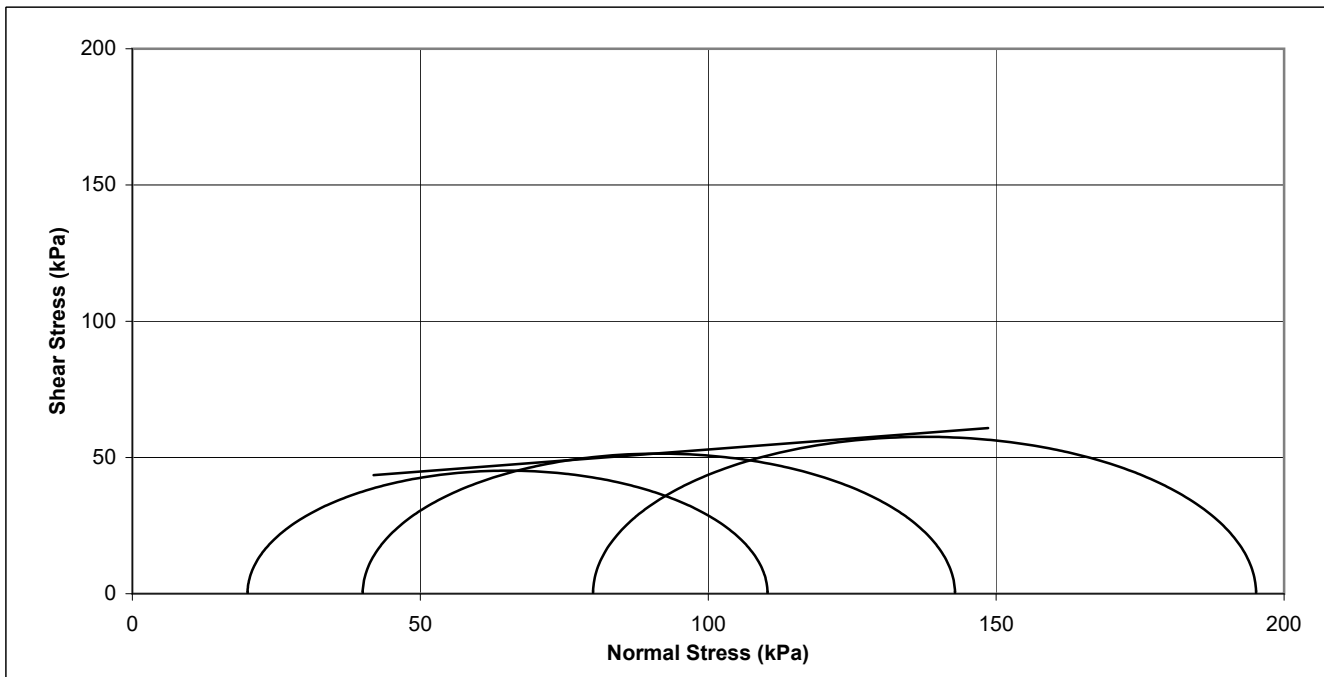
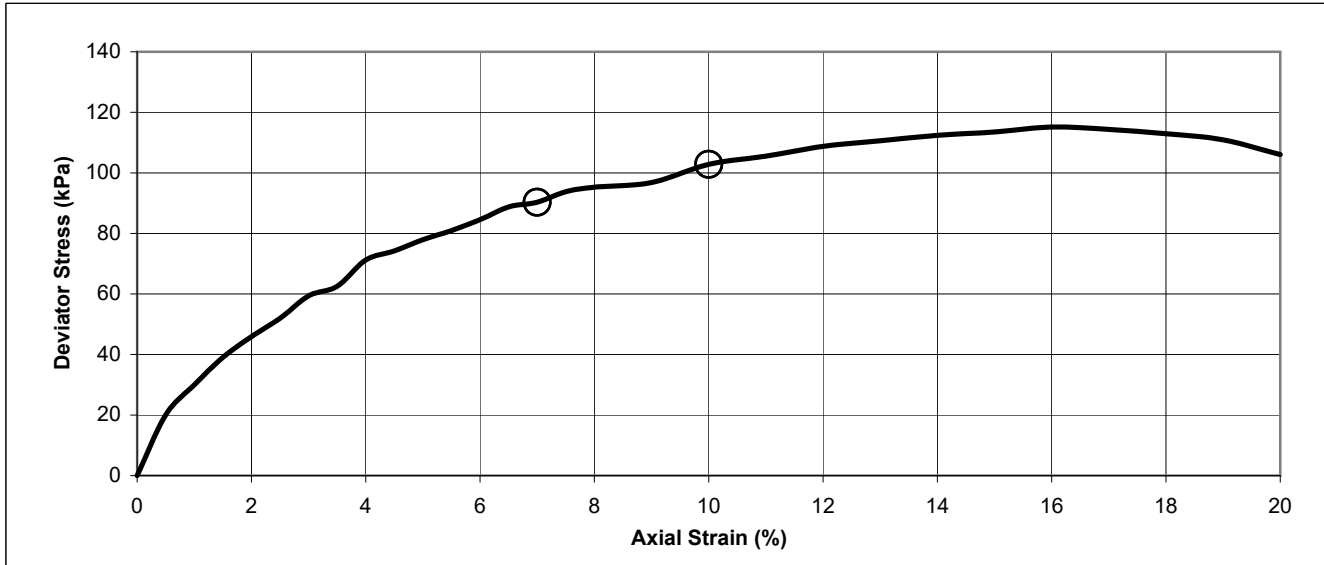
UNIFORMITY COEFFICIENT (SHW TABLE 6/1 NOTE 5)				
D10		D60		Specification
-		-		

UNIFORMITY COEFFICIENT			
-			

**Remarks**

† Where a sedimentation test was not carried out, this figure represents total fines, i.e., particles of diameter less than 63 microns  
 Sample does not meet minimum mass requirement for material type



Failure Conditions				
Cell pressure	kPa	20	40	80
Membrane correction	kPa	0.4	0.5	0.8
Strain at failure	%	7.0	10.0	16.0
Failure Type		Intermediate	Intermediate	Intermediate
Corrected deviator stress	kPa	90	103	115
Undrained shear stress	kPa	45	51	58

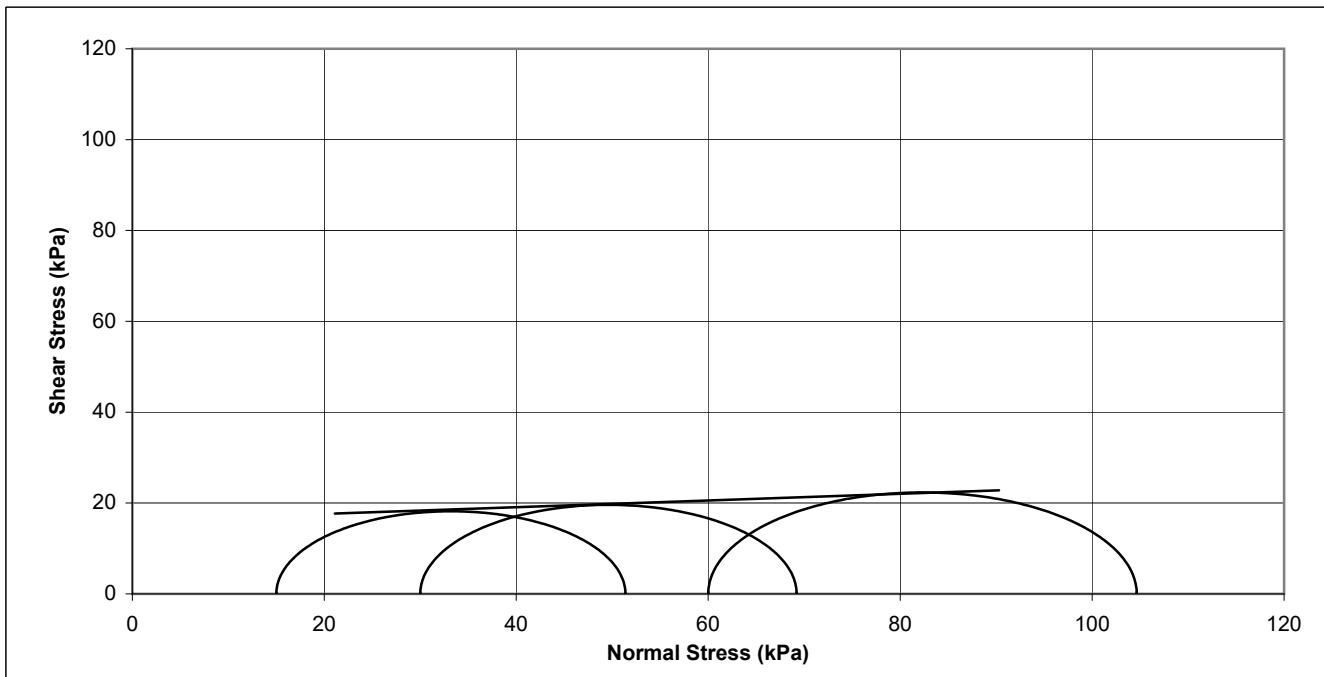
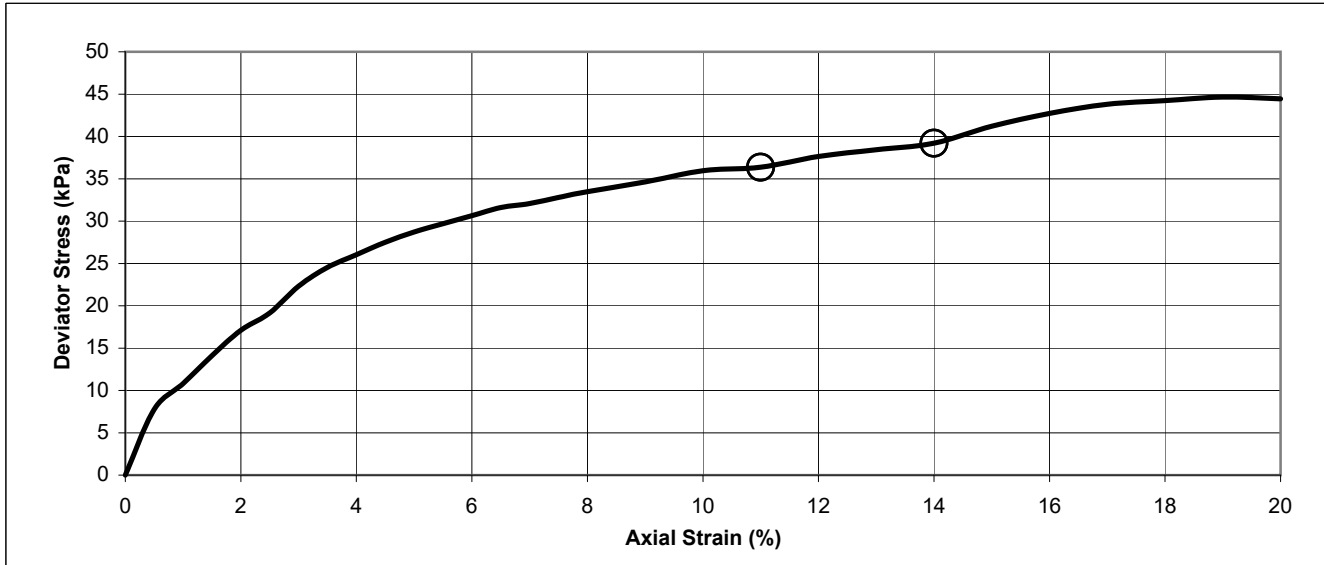
Cohesion	kPa	36.7	Friction Angle	°	9.2
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Initial Conditions					Borehole	BH01	
Sample length	mm	171.51	Rate of strain	%/min			2.0
Sample diameter	mm	84.10	Bulk Density	Mg/m <sup>3</sup>			2.11
Membrane type		Latex	Dry Density	Mg/m <sup>3</sup>			1.86
Membrane thickness	mm	0.20	Moisture Content	%	13	Depth (m)	1.60

Undisturbed sample, taken directly from the sample tube and retaining axial orientation

**DETERMINATION OF MULTI STAGE UNDRAINED SHEAR STRENGTH IN TRIAXIAL COMPRESSION**

Tested in accordance with BS 1377 : Part 7 : 9.0 : 1990



Failure Conditions				
Cell pressure	kPa	15	30	60
Membrane correction	kPa	0.6	0.7	0.9
Strain at failure	%	11.0	14.0	19.0
Failure Type		Intermediate	Intermediate	Intermediate
Corrected deviator stress	kPa	36	39	45
Undrained shear stress	kPa	18	20	22

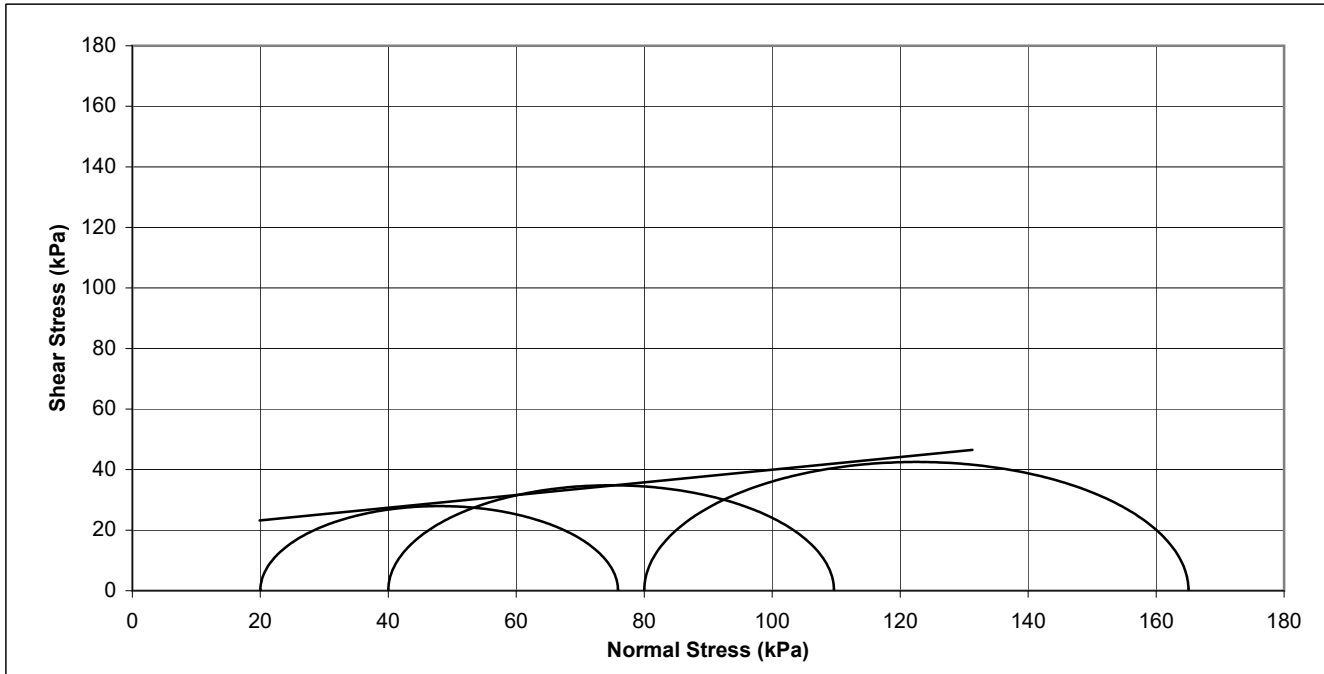
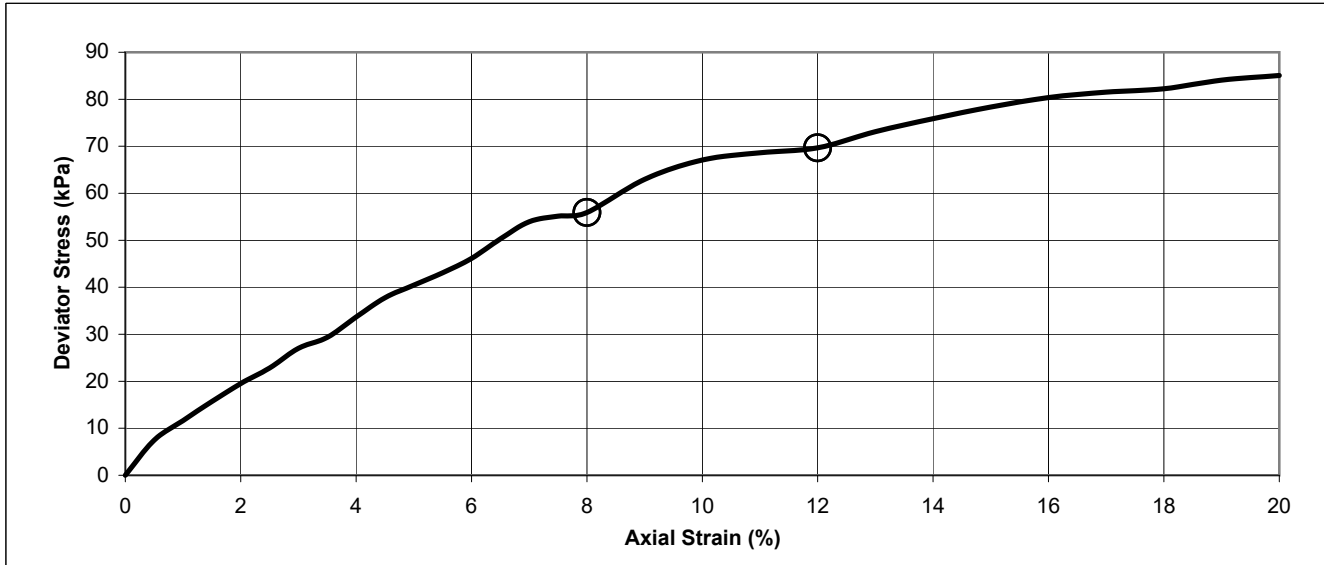
Cohesion	kPa	16.1	Friction Angle	°	4.2
----------	-----	------	----------------	---	-----

Initial Conditions					Borehole	BH06	
Sample length	mm	170.85	Rate of strain	%/min			2.0
Sample diameter	mm	82.67	Bulk Density	Mg/m <sup>3</sup>			1.71
Membrane type	Latex		Dry Density	Mg/m <sup>3</sup>			1.34
Membrane thickness	mm	0.20	Moisture Content	%	27	Depth (m)	1.70

Undisturbed sample, taken directly from the sample tube and retaining axial orientation

**DETERMINATION OF MULTI STAGE UNDRAINED SHEAR STRENGTH IN TRIAXIAL COMPRESSION**

Tested in accordance with BS 1377 : Part 7 : 9.0 : 1990



Failure Conditions			
Cell pressure	kPa	20	40
Membrane correction	kPa	0.5	0.6
Strain at failure	%	8.0	12.0
Failure Type		Intermediate	Intermediate
Corrected deviator stress	kPa	56	70
Undrained shear stress	kPa	28	35

Cohesion	kPa	19.0	Friction Angle	°	11.8
----------	-----	------	----------------	---	------

Initial Conditions					
Sample length	mm	164.36	Rate of strain	%/min	2.0
Sample diameter	mm	84.19	Bulk Density	Mg/m <sup>3</sup>	2.14
Membrane type		Latex	Dry Density	Mg/m <sup>3</sup>	1.83
Membrane thickness	mm	0.20	Moisture Content	%	17

Borehole	BH07
Sample	U
Depth (m)	1.60

Undisturbed sample, taken directly from the sample tube and retaining axial orientation

**DETERMINATION OF MULTI STAGE UNDRAINED SHEAR STRENGTH IN TRIAXIAL COMPRESSION**

Tested in accordance with BS 1377 : Part 7 : 9.0 : 1990

**Appendix II**

**Coal Authority Report**



The Coal  
Authority

Resolving the **impacts** of mining

# CON29M Non-Residential Mining Report

LONGBAR  
GLENGARNOCK  
NORTH AYRSHIRE

Date of enquiry: 08 December 2017  
Date enquiry received: 08 December 2017  
Issue date: 08 December 2017

Our reference: 51001714544001  
Your reference: 149430147\_2|





# CON29M Non-Residential Mining Report

This report is based on, and limited to, the records held by the Coal Authority, at the time we answer the search.

## Client name

LANDMARK INFORMATION GROUP LIMITED

## Enquiry address

LONGBAR, GLENGARNOCK, NORTH AYRSHIRE

## How to contact us


0345 762 6848 (UK)  
+44 (0)1623 637 000 (International)

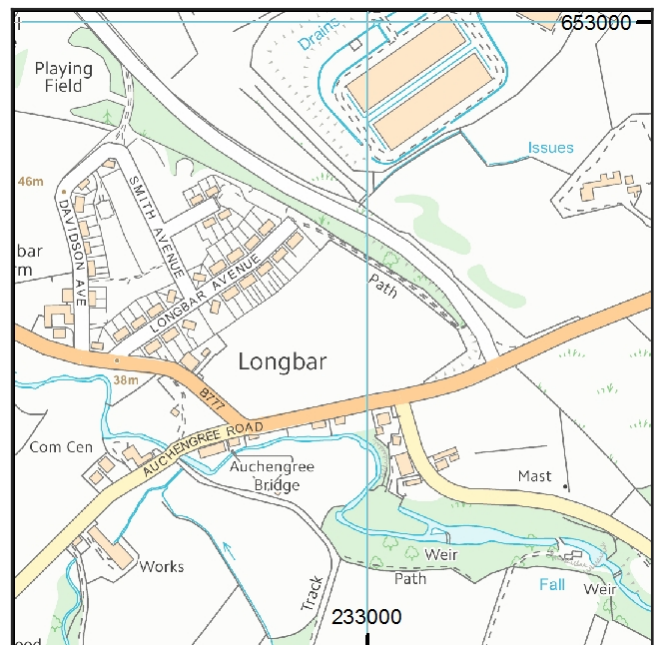
200 Lichfield Lane  
Mansfield  
Nottinghamshire  
NG18 4RG

[www.groundstability.com](http://www.groundstability.com)

 /company/the-coal-authority

 /thecoalauthority

 /coalauthority



Approximate position of property



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Ordnance Survey Licence number: 100020315

# Summary

Has the search report highlighted evidence or potential of		
1	Past underground coal mining	No
2	Present underground coal mining	No
3	Future underground coal mining	Yes
4	Mine entries	No
5	Coal mining geology	No
6	Past opencast coal mining	No
7	Present opencast coal mining	No
8	Future opencast coal mining	No
9	Coal mining subsidence	No
10	Mine gas	No
11	Hazards related to coal mining	No
12	Withdrawal of support	No
13	Working facilities order	No
14	Payments to owners of former copyhold land	No

**For detailed findings, please go to page 4.**

# Detailed findings

## 1. Past underground coal mining

The property is not within a surface area that could be affected by past underground mining.

## 2. Present underground coal mining

The property is not within a surface area that could be affected by present underground mining.

## 3. Future underground coal mining

The property is not in an area where the Coal Authority has plans to grant a licence to remove coal using underground methods.

The property is not in an area where a licence has been granted to remove or otherwise work coal using underground methods.

The property is not in an area likely to be affected from any planned future underground coal mining.

However, reserves of coal exist in the local area which could be worked at some time in the future.

No notices have been given, under section 46 of the Coal Mining Subsidence Act 1991, stating that the land is at risk of subsidence.

## 4. Mine entries

There are no known coal mine entries within, or within 20 metres of, the boundary of the property.

## 5. Coal mining geology

The Coal Authority is not aware of any damage due to geological faults or other lines of weakness that have been affected by coal mining.

## 6. Past opencast coal mining

The property is not within the boundary of an opencast site from which coal has been removed by opencast methods.

## **7. Present opencast coal mining**

The property does not lie within 200 metres of the boundary of an opencast site from which coal is being removed by opencast methods.

## **8. Future opencast coal mining**

There are no licence requests outstanding to remove coal by opencast methods within 800 metres of the boundary.

The property is not within 800 metres of the boundary of an opencast site for which a licence to remove coal by opencast methods has been granted.

## **9. Coal mining subsidence**

The Coal Authority has not received a damage notice or claim for the subject property, or any property within 50 metres of the enquiry boundary, since 31st October 1994.

There is no current Stop Notice delaying the start of remedial works or repairs to the property.

The Coal Authority is not aware of any request having been made to carry out preventive works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991.

## **10. Mine gas**

The Coal Authority has no record of a mine gas emission requiring action.

## **11. Hazards related to coal mining**

The property has not been subject to remedial works, by or on behalf of the Authority, under its Emergency Surface Hazard Call Out procedures.

## **12. Withdrawal of support**

The property is not in an area where a notice to withdraw support has been given.

The property is not in an area where a notice has been given under section 41 of the Coal Industry Act 1994, cancelling the entitlement to withdraw support.

## **13. Working facilities order**

The property is not in an area where an order has been made, under the provisions of the Mines (Working Facilities and Support) Acts 1923 and 1966 or any statutory modification or amendment thereof.

## **14. Payments to owners of former copyhold land**

The property is not in an area where a relevant notice has been published under the Coal Industry Act 1975/Coal Industry Act 1994.

## Additional remarks

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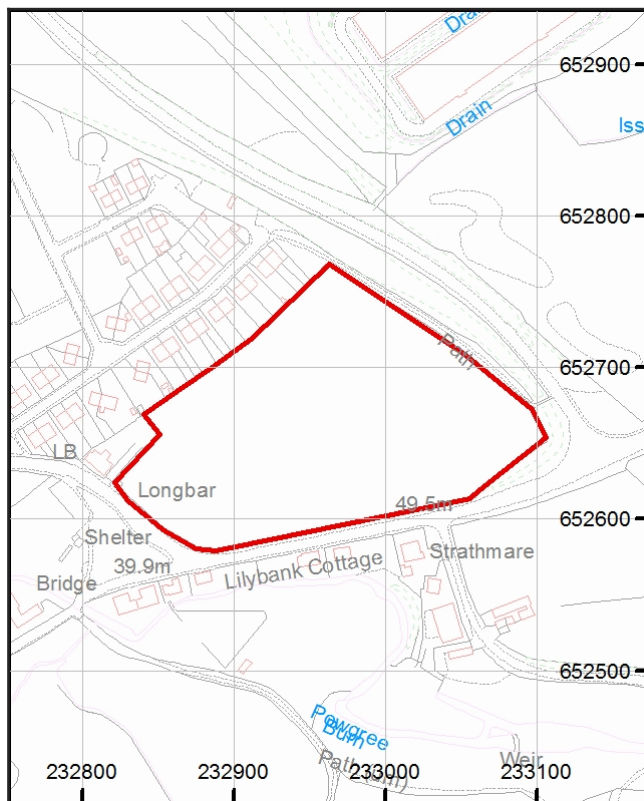
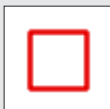
## Alternative formats

If you would like this report in an alternative format, please contact our communications team.

# Enquiry boundary

## Key

Approximate position of enquiry boundary shown




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