

Appendix B

Ground Investigation Plan, Exploratory Hole Logs and Photographs

Чу	dr	ock		3 Ha Tel	wthorn P : +44 (0)	Hydro Park, Holo 1604 84	ock (Northa denby Road 42 888, Fa	mpton) I, Spratton, Northampton, NN6 8LD x: +44 (0) 1604 842 666	Borehole No WS01 Sheet 1 of 1
Proj Geo	ect Na post	ame:			Pr C	oject N 14493	lo. :	Co-ords: 338975E - 396082N	Hole Type WS
Loca	ation:	Sugarbro	ok Dri	ve, Liverpool				Level: 18.86 m AOD	Scale 1:50
Clie	nt: St	. Modwen	Prope	erties				Dates: 10/07/2014	Logged By RP
/ell	Water Strikes	Sample Depth (m)	es & In Type	Situ Testing Results	Depth (m)	Level (m AOD)	Legend	Stratum Description	
		1.00 1.00 1.50	SPT D D	N=8 (2,2,2,3,1,2)				Soft brown slightly gravelly sandy CLAY with frequent roots and rootlets to 0.3m bgl. Gravel is fine to coarse angular to rounded of brick, concrete, quartz, sandstone glass, plastic, clinker, wood and slate. (MADE GROUND)	
		2.00	SPT	N=8 (3,2,1,2,2,3)	1.80 2.00	17.06 16.86		Brown slightly gravelly SAND with orange brown veins. Gravel is subangular to well rounded of flint and lignite. (GLACIAL TILL)	
		2.50	D		2.40 2.60	16.46 16.26		No recovery. (GLACIAL TILL) Yellow brown mottled brown SAND with lignite and yello	
		3.00	SPT	N=16 (2,2,3,4,4,5)				green pockets of sand. (GLACIAL TILL) Firm orange brown mottled red brown slightly gravelly	
		3.50	D		3.70	15.16		Silty CLAY. Gravel is fine to coarse angular to rounded of flint. (GLACIAL TILL) Inbetween 2.70m to 3.90m Partially decomposing rou	ots.
		4.00	SPT	N=26 (3,4,5,6,6,9)	4.00	14.86	<u>e</u>	Stiff red brown slightly gravelly silty CLAY. Gravel is fine to coarse angular to rounded of flint. (GLACIAL TILL) End of Borehole at 4.00 m	
									۲ ۲ ۲ ۲
			Туре	Results				lo situ Tosting	
≀ema	ırks:	1) Inspection pit and 2.8m bgl ar	from GL t nd betwee	o 1.20m. 2) Groundwate n 3.0m and 4.0m bgl.	r encountere	ed between	1.5m and 1.8r	n bgl, between 2.0m SPT Standard Penetration Tes CPT Standard Penetration Tes Provention Tes Borehole Types DP Dynamic Sampling Cable Cable Percession	t (Split Spoor) b D Disturbed Sar L (Split Spoor) t (Solid Cone) mber of blows Mber of blows B Bulk Sample B Juk Sample V Vial ES Erry Sample Split Cone V Start ES Erry Sample

ły	dr	ock		3 Ha Te	awthorn P : +44 (0)	Hydro ark, Holo 1604 84	ock (North denby Roa 42 888, F	ampton) ad, Spratton, Northampton, NN6 8LD ax: +44 (0) 1604 842 666	Borehole No WS02
Proj Geo	Co ject Na opost	ame:			Pr C	oject N 14493	lo. :	Co-ords: 338977E - 396048N	Sheet 1 of 1 Hole Type WS
Loca	ation:	Sugarbro	ok Dri	ve, Liverpool	·			Level: 18.42 m AOD	Scale 1:50
Clie	nt: St	. Modwen	Prope	erties				Dates: 11/07/2014	Logged By RP
/ell	Water Strikes	Sample	es & In Type	Situ Testing Results	Depth (m)	Level (m AOD)	Legend	Stratum Description	
14		0.30	ES					Soft dark grey slightly sandy slightly gravelly CLAY with frequent rootlets. Gravel is fine to coarse angular to subangular of brick, sandstone, quartz and brick. (MADE GROUND)	
		0.80 1.00	D SPT	N=14 (3,3,3,3,4,4)	0.80 1.00	17.62 17.42		Soft brown mottled dark brown sandy CLAY with occas gravel of fine to coarse angular brick and flint. (MADE GROUND)	ional
		1.50	D					Dark brown clayey SAND with occasional gravel of fine medium subrounded to rounded flint and sandstone. (GLACIAL TILL) Between 1.30m and 1.40m bgl: Organic odour, root	to
		2.00	SPT	N=8 (2,2,2,2,2,2)	2.00	16.42		plant debris. Firm to stiff orange brown mottled grey slightly gravelly CLAY with grey veining and a band of sand at 1.2m bgl Gravel is fine to coarse subangular to well rounded	
		2.60	D					quartz. (GLACIAL TILL)	- - -
		3.00	SPT	N=10 (2,2,2,2,3,3)					- - - - - - - - - - - - - - - - -
		3.80 4.00	D SPT	N=14 (2,2,3,3,3,5)	4.00	14.42		End of Borehole at 4.00 m	
									- - - - - - - - - -
									- - - - - - - - - - - - - - - -
									- - - - - - - - - - - - - - - - - - -
									- - - - - - - - - - - - - -
			Туре	Results	1				
ema	arks:	1) Inspection pit	from GL t	o 1.20m. 2) No groundw	ater encount	tered.		In-situ Testing SPT Standard Peretration T CSV Stard Sterior Testing U Undisturbed Sample and Borehole Types DP Dynamic Sampling Cable Faithe Demonstration	st (Spit Spoon) st (Solid Cone) umber of blows Weter Sample Umber of blows State Sample Studies Studie

ly	dr	ock		3 Ha Te	awthorn F I: +44 (0	Hydro Park, Holo 1604 8/	ock (Northa denby Road 42 888, Fa	mpton) I, Spratton, Northampton, NN6 8LD x: +44 (0) 1604 842 666	Borehole No WS03
1	Co	nsultants			I				Sheet 1 of
Proj	ect Na	ame:			Pi	roject N	lo. :	Co-ords: 338912E - 396050N	Hole Type
Geo	post				C	14493			WS
_0C8	ation:	Sugarbro	ok Dri	ve, Liverpool				Level: 18.95 m AOD	Scale 1:50
Clie	nt: St	. Modwen	Prop	erties				Dates: 10/07/2014	Logged By RP
ell	Water Strikes	Sample	es & In	Situ Testing	Depth (m)	Level (m AOD	Legend	Stratum Description	
1.5		0.20	ES		0.30	18.65		Dark brown clayey gravelly SAND with roots and rootlets. Gravel is fine to coarse subangular to subrounded of brick, wood fragments, quartz and granodiorite. (MADE GROUND)	
		0.60	D					Brown gravelly very clayey SAND with low cobble conten	t of
		1.00	ES SPT	N=8				brick and concrete. Gravel is fine to coarse angular to subangular brick, concrete and granodiorite,	
			0	(2,2,2,2,2,2)	1.15	17.80		(MADĚ GROUND)	
		1.50	D					Soft dark grey brown slightly gravelly sandy CLAY with roots, decomposing plant matter and organic odour. Gravis fine to medium angular of lignite and occasional brick. (MADE GROUND)	vel
		2.00	SPT	N=5 (0.0.0.1.2.2)					
					2.40	16.55			
	1	2.60	D					Soft dark brown mottled black sandy CLAY with occasion pockets of green sand.	ial
		3.00	срт	N_13	3.00	15.05		(GLACIAL TILL)	
		5.00	011	(1,2,2,3,4,4)	5.00	10.00		Very soft dark grey brown mottled slightly sandy CLAY. (GLACIAL TILL)	
		3.50	D						
					3.70	15.25		Soft to firm brown silty CLAY with occasional gravel of	
		4.00	SPT	N=20	4.00	14.95	1.18	quartz. (GLACIAL TILL)	
				(3,3,4,4,5,7)			Ì	End of Borehole at 4.00 m	<i>d</i>
			T						
əma	arks:	1) Inspection pit	from GL	Kesults to 1.20m. 2) Groundwate	er encounter	l ed betweer	3.3m and 3.7	n bgl. SPT Standard Penetration Test CPT Standard Penetration Test HSV, Hand Share View and num U wristivitie Samplia DP Dypes DP Dypes Cable Cable Percussion	Spit Spoon (Solid Cone) ber of blows ber Starberg ber Starberg Solid Cone) ber Starberg W Water Samy Vial ES Env Sampl

Hydro	ock		3 Ha Te	awthorn F I: +44 (0	Hydro Park, Holo 1604 84	ock (Northa denby Roa 42 888, Fa	mpton) I, Spratton, Northampton, NN6 8LD x: +44 (0) 1604 842 666	Borehole No WS04
Co	nsultants			ı			_	Sheet 1 of 2
Project Na	ame:			P	roject N	lo. :	Co-ords: 338907E - 396083N	Hole Type
Geopost				C	14493		00 0103. 330307E - 33000314	WS
Location:	Sugarbro	ok Dri	ve, Liverpool				Level: 18.13 m AOD	Scale 1:50
Client: St	. Modwen	Prope	erties				Dates: 10/07/2014	Logged By RP
Vell Water Strikes	Depth (m)	es & In Type	Situ Testing Results	Depth (m)	Level (m AOD)	Legend	Stratum Description	
110	0.40	ES			47.50		Soft brown slightly sandy gravelly CLAY with roots and rootlets. Gravel is fine to coarse angular to subrounded of brick, concrete and plastic. (MADE GROUND)	
	1.00	SPT	N=11	0.60	17.53		Soft dark brown mottled brown slightly gravelly silty CLAY. Gravel is fine to coarse angular to subrounded of brick, lignite and flint.	-
	1.00	D	(2,3,2,3,2,4)				(MADE GROUND)	-
	1.50	D		1.45	16.68		Stiff red brown with grey veining sandy silty CLAY with occasional gravel and pockets of green grey silt and occasional plant remains adjacent to gravel. Gravel is	
	2.00	SPT	N=16 (3,3,3,4,4,5)				fine to coarse subrounded to rounded of quartz. (GLACIAL TILL)	
	2.50	D						-
	3.00	SPT	N=18 (3,3,4,4,5,5)					
	3.50	D				X X X	From 3.40m bgl: Becoming firm.	
1113113.	4.00	SPT	N=19 (2,3,3,4,6,6)	4.00	14.13		End of Borehole at 4.00 m	
		Туре	Results	-				
emarks:	1) Inspection pit	from GL 1	o 1.20m. 2) No groundw	ater encour	itered.		In-situ Testing SPT Standard Penerataon Test (Spi CPT Standard Penerataon Test (Spi HSV) Hand Sharay Vane U Undisturbed Sample and number C BORCHOIE Types DP Dynaric Sampling Cable Cable Percussion	t Spoon) d Cone) of blows D Disturbed St LB Large Bulk Sample AJ Amber Jar S W Water Samp V Vial ES Env Sample

Ну	dr	ock		3 Ha Tel	awthorn I : +44 (C	Hydro Park, Holo) 1604 84	ock (Northar denby Road 42 888, Fa	npton) Spratton, Northampton, NN6 8LD :: +44 (0) 1604 842 666	Borehole No WS05
Pro	Co iect Na	nsultants			P	roiect N	lo ·		Hole Type
Geo	opost	ame.			C	14493		Co-ords: 339051E - 396085N	WS
Loc	ation:	Sugarbro	ok Dri	ve, Liverpool				Level: 18.80 m AOD	Scale 1:50
Clie	ent: St	. Modwen	Prope	erties				Dates: 11/07/2014	Logged By RP
Well	Water Strikes	Sample Depth (m)	es & In Type	Situ Testing Results	Depth (m)	Level (m AOD)	Legend	Stratum Description	
		1.00	SPT D	N=10 (2,2,2,2,3,3)	1.60 1.70	17.20 17.10		Soft brown mottled dark brown slightly gravelly sandy CL with roots to 0.3m bgl. Gravel is fine to coarse angular to subangular of brick, concrete, clinker, flint. (MADE GROUND) At 0.7m bgl: Cobble of clinker. Brown mottled light brown SAND. (GLACIAL TILL)	AY
		2.00	SPT	N=13 (2,2,3,3,3,4) N=16				Firm brown with pockets of grey slightly sandy silty CLAY with occasional gravel of subrounded to rounded fine to coarse of flint. (GLACIAL TILL) From 2.70m bgl: Partially decomposed roots.	2
		0.00		(2,2,4,3,4,5)			X X X	From 3.0m bgl: Stiff.	
		3.60	D				x x x		-
		4 00	SPT	N=21	3.90	14.90		Medium dense light brown SAND.	
		4.00	011	(3,4,4,5,5,7)	4.00	14.80		(GLACIAL TILL)	
									-5
			Туре	Results	-			In-situ Testina	Sample Type
Rema	arks:	1) Inspection pit	from GL 1	o 1.20m. 2) No groundw	ater encou	ntered.		SPT Standard Penetration Test (CPT Standard Penetration Test (SV Hand Shara Vane U Undistubed Sample and num Borchiole Types DP Dynamic Sampling Cable (Sable Pencussion RC Menar Onandrole	Spit Spoon) D Disturbed Sam (Solid Cone) ber of blows A mber Jar Sample AJ Amber Jar Sam V Vial ES Erw Sample SPTLS SPT Sample

ły	dr	ock		3 Ha Te	awthorn F I: +44 (0)	Hydro Park, Holo 1604 84	ock (Northa denby Road 42 888, Fa	mpton) d, Spratton, Northampton, NN6 8LD x: +44 (0) 1604 842 666	Borehole MS06	No
-	Co	nsultants				• • •			Sheet 1 of	f 1
Proj	ect Na	ame:			Pr	oject N	10. :	Co-ords: 339054E - 396048N	noie i yp	ю
	ation.	Sugarbro	ok Dri	ve Livernool		14490			Scale	
		2-94/010	2					Level: 18.34 m AOD	1:50	
~			_						Logged E	Зy
Jie	nt: St	. Modwen	Prop	erties				Dates: 11/07/2014	RP	
ell	Water Strikes	Sample Depth (m)	es & In Type	Situ Testing Results	Depth (m)	Level (m AOD)	Legend	Stratum Description		
14		0.20	ES					Brown slightly gravelly clayey SAND with roots to 0.3m b and low cobble content of brick and concrete. Gravel is fine to coarse angular to subrounded of flint, brick, granodiorite, concrete, plastic, iron nails, tile and	gl	
		0.50-0.70	в		0.80	17.54		glass. (MADE GROUND)		J
		1.00	SPT	N=5 (2,1,0,2,1,2)	0.00	11.01		Soft brown slightly gravelly sandy CLAY. Gravel is fine to coarse angular to subrounded of brick, flint and lignite. (MADE GROUND))	
		1.50	D					At 1.4m bgl: Pocket of red brown silty CLAY wih occasional flint gravel. From 1.70m bgl: Becoming very sandy.		
1		2.00	SPT	N=29 (0 1 4 6 8 11)						
				(0,1,4,0,0,11)	2.30	16.04		Medium dense light brown mottled orange becoming bro	own	-
	_	2.30-3.00	в					SAND. (GLACIAL TILL)		
		2.00	ODT							
		3.00	521	N=5 (3,3,2,1,1,1)	3.25	15.09		Firm to stiff brown slightly sandy slightly gravelly silty		
		3 70					X	CLAY. Gravel is fine to medium subrounded to rounded flint.	of	
		3.70	ODT	N 40	1.00	44.04		(GLACIAL TILL)		-
										ŀ
			Туре	Results	1			In-situ Testing	Sample	Tvr
ema	arks:	1) Inspection pit	from GL	to 1.20m. 2) Groundwate	er encounter	ed betweer	2.8 and 3.6m	bgl. SPT Standard Penetation Tes CPT Standard Penetation Tes CPT Standard Penetation Tes HSV Hard Sharet Van U brickstowed Stample and Borehole Types DP Dynamic Stampling Cable Cable Percussion	t (Split Spoon) t (Solid Cone) her of blows ber of blows t (Solid Cone) B Bulk Sar AJ Amber J W Water S V Vial ES Env Sa	• yµ 3d Sa iulk S mple Jar S Samp ample

12.0		Ô.,	F	Hydrock L	td (Northampton)	ad Spratton Northamster			Trial Pit	t No
Hvdr	ock		з Т	Fl: +44 (0)1604 842 888, Fa	ad, Spratton, Northamptor x: +44 (0) 1604 842 666	1.		TP0	1
, , , , , , , , , , , , , , , , , , ,	onsultants		E	Email: no	rthampton@hydrock.	com			Sheet 1	of 1
Project Na Geopost	ame				Project No. C14493	Co-ords: 338873 Level: 18.84 r	3E - 396055N n AOD		Date 10/07/2	e 014
Location:	Sugarbrook D	rive, Liver	pool			Dimensions:	1.80m		Scal	le 5
Client: St.	Modwen Pro	perties				Trial Pit Stability Stable.	:		Plant U JCB 3	sed: CX
Sample: Depth (m)	s & In Situ Testii Type	n g Results	Legend	Depth (m)		Stratum	Description		L.	Level (m AOD)
0.20	EQ				Soft black to da (MADE GROUN	rk grey slightly sandy SILT/C ND)	LAY with rootlets to	0.25.		
0.50 0.50	BD			0.25 -	Soft reddish brc Gravel is fine to silty sandstone. (MADE GROUN	wn mottled grey and orange medium, angular to rounder ND)	brown gravelly SIL d blueish grey and	T/CLAY. pale grey		18.59
2.00	D									
3.00	D			3.20		Trial pit complete	at 3.20 m			15.64
Remarks:		ļ						HSV = Hand D = Disturbed B = Bulk Sam LB = Large B AJ = Amber J	Shear Vane reading (KPa) 1 Sample ple ulk Sample lar Inh	I
								PT = Plastic 1 V = Vial ES = Enviro	Fub Inmental Sample (AJ, PT & V)	
Groundwater	r: No groundwa	ater.					Logged By :	AGV	Checked By :	SC

		E F	Hydrock L	td (Northampton)				Trial Pit	No
Hyd	rock	3	3 Hawthor Fel: +44 ()	n Park, Holdenby Road 0)1604 842 888, Fax:	a, Spratton, Northamptor +44 (0) 1604 842 666	1.		TP02	2
inyu	Consultants	E	Email: nor	rthampton@hydrock.co	om			Sheet 1	of 1
Project N Geopost	lame			Project No. C14493	Co-ords: 338890 Level: 18.83 i	6E - 396032N n AOD		Date 10/07/20	e 014
Location:	Sugarbrook Dri	ive, Liverpool			Dimensions:	1.80m		Scale 1:25	e 5
Client: St	. Modwen Prop	erties			Trial Pit Stability Stable.	:		Plant Us JCB 30	sed: CX
Sample Depth (m)	es & In Situ Testing Type	g Results	Depth (m)		Stratum	Description			Level (m AOD)
Depth (m) 0.40 1.60	ES	Results	(m) 0.35	Soft black to dark (MADE GROUNE Soft black, dark b to coarse subrour plastic, metal . (MADE GROUNE	brown sandy SILT/CLAY v	vith common rootle	ts to 0.25 el is fine od,		(<u>m AOD</u>) 18.48
2.70	D		3.20	Firm to stiff reddi gravelly CLAY. G sandstone. (GLACIAL TILL)	sh brown mottled orange, l ravel is fine to coarse ang Trial pit complete	plack, grey slightly s ular to subrounded at 3.50 m	andy silty		15.63
Remarks:							HSV = Hand D = Disturbe B = Buk Star LB = Large E H = Plaste V = Vial ES = Envir	Shear Vane reading (KPa) d Sample Sak Sample Tub Omenetal Sample (AJ, PT & V)	
Groundwate	er: No groundwat	ter.				Logged By :	AGV	Checked By :	SC
Groundwate	et: INO groundwat					годдеа ву :	AGV	Спескеа Ву :	SC

			ł	Hydrock L	td (Northampton)				Trial Pi	t No
Hyd	rock		3 T	3 Hawthor Fel: +44 (n Park, Holdenby Road 0)1604 842 888, Fax:	a, Spratton, Northampton+44 (0) 1604 842 666	1.		TP0	3
i iyu	Consultants		E	Email: no	rthampton@hydrock.co	om			Sheet 1	of 1
Project N Geopost	Name				Project No. C14493	Co-ords: 338910 Level: 18.89 r	DE - 396010N n AOD		Date 10/07/2	e 014
Location	:Sugarbrook	Drive, Live	rpool			Dimensions:	1.80m		Sca	e
Client: St	t. Modwen Pr	roperties				Trial Pit Stability Slight collapse fr	: rom 0.4m.		1:2 Plant U JCB 3	o Ised: ICX
Sampl	les & In Situ Tes	sting	Leaend	Depth		Stratum	Description			Level
Depth (m)	Туре	Results	Logona	(m)	Soft black to dark	grey slightly sandy SILT/C	LAY with rootlets to	o 0.20.		(m AOD)
0.30	ES			0.20	Soft black dark re is fine to coarse s (MADE GROUND)) ddish brown slightly sandy ubrounded to subangular b))	gravelly CLAY/SIL prick, concrete and	T. Gravel metal .		18.69
0.50	D				x	,				
1.30 2.30	ES			1.90 -	Firm to stiff reddia to coarse rounded (GLACIAL TILL)	sh brow mottled black, grav d to angular silty sandstone	velly CLAY. Grave	l is fine		16.99
				3.00		Trial pit complete	at 3.00 m			15.89
Remarks:	1 1		<u> </u>					HSV = Hand D = Disturbe B = Bulk Sai LB = Large AJ = Amber PT = Plastic V = Vial	I Shear Vane reading (KPa) ad Sample Bulk Sample Jar Tub romental Sample (A L DT * 10	l
Groundwate	er: Slow inflov	v at 1.4m.					Logged By :	AGV	Checked By :	SC

Hyd	rock		H 3 1 E	Hydrock L 3 Hawthor Fel: +44 (Email: noi	.td (Northampton) n Park, Holdenby Road, 0)1604 842 888, Fax: + rthampton@hydrock.con	Spratton, Northamptor -44 (0) 1604 842 666 n	۱.		Trial Pit	t No 4 of 1
Project N Geopost	lame				Project No. C14493	Co-ords: 33894 Level: 18.49	DE - 396028N m AOD		Date 10/07/2	e 014
Location	:Sugarbrook	Drive, Live	erpool			Dimensions:	1.80m		Scal	е
Client: St	t. Modwen Pi	roperties				Trial Pit Stability Stable.	:		Plant U JCB 3	sed: CX
Sampl Depth (m)	es & In Situ Tes Type	sting Results	Legend	Depth (m)		Stratum	Description			Level (m AOD)
					Soft black to dark b (MADE GROUND)	rown sandy SILT/CLAY	vith common rootle	ets to 0.25.		
0.30 0.40 0.50	ES D B			0.25 -	Soft black dark red is fine to coarse su (MADE GROUND)	dish brown slightly sandy brounded to subangular	gravelly CLAY/SIL prick and concrete	T. Gravel		18.24
			, 전체에 전체 1. 여러에 전체 1. 여러에 여러	0.80 Stiff to firm reddish brown mottled grey, greenish grey gravelly CLAY. Gravel is fine to medium, occasionally coarse rounded to subangular silty sandstone and quartz. (GLACIAL TILL)					<i>y</i>	17.69
				1.50		Trial pit complete	at 1.50 m			16.99
								HSV = Hand	Shear Vare reading (KPa)	andread a finite in an an andread a first the total and the total and the total and total and total and total a
Remarks:								D = Disturbed B = Bulk Sam LB = Large Bi AJ = Amber J PT = Plastic T V = Vial ES = Enviro	Sample ple ar ar ub nmental Sample (AJ, PT & V)	25 III (DM 432 40) C+
Groundwate	er: No ground	water.					Logged By :	AGV	Checked By :	SC

dat
22
Log
Trialpit
Standard
426.48)
(BId
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BASE

Hydr	ock		H 3 T E	lydrock I Hawthor el: +44 (mail: no	td (Northampton) n Park, Holdenby Roac 0)1604 842 888, Fax: rthampton@hydrock.cc	d, Spratton, Northamptor +44 (0) 1604 842 666 om	٦.		Trial Pit TPO Sheet 1	t No 5 of 1
Project Na Geopost	ame				Project No. C14493	Co-ords: 33894 Level: 18.55	0E - 396043N m AOD		Date 10/07/2	e :014
Location:	Sugarbrook	Drive, Live	erpool		1	Dimensions:	1.80m		Scale	
Client: St.	Modwen F	Properties				Trial Pit Stability Slight collapse f	: rom 0.9m.		Plant U JCB 3	sed: CX
Sample Depth (m)	s & In Situ Te Type	esting Results	Legend	Depth (m)		Stratum	Description		·	Leve (m AOE
0.40 0.40	ES D			0.40 -	Black dark reddis Black dark reddis fine to coarse ang (MADE GROUNE	brown sandy SIL I /CLAY ()) h brown slightly sandy gra jular to subrounded brick a))	with common rootle	ravel is		18.1
2.20	ΕS			0.90	Firm to stiff reddia Gravel is fine to n (GLACIAL TILL)	sh brown mottled grey, gre nedium rounded to angula	enish grey gravelly r silty sandstone.	CLAY.		17.65
				2.80		Trial pit complete	at 2.80 m			15.75
Remarks:			<u> </u>					HSV = Hand D = Disturbe B = Bulk San LB = Large E AJ = Amber . PT = Plastic V = Vial	Shear Vane reading (KPa) d Sample sple suk Sample Jar Tub	L
Groundwate	r: Slow inflo	w at 0.9m.					Logged By :	ES = Enviro	Checked By :	SC

100			ŀ	Hydrock I	td (Northampton)	Sprotton North-			Trial Pit	t No
Hydr	ock		3 T	Fel: +44 (0)1604 842 888, Fax:	+44 (0) 1604 842 666	1.		TP0	6
- yu	onsultants	_	E	Email: no	rthampton@hydrock.co	m			Sheet 1	of 1
Project Na Geopost	ame				Project No. C14493	Co-ords: 338899 Level: 18.86 r	9E - 396065N m AOD		Date 10/07/2	е 014
Location:	Sugarbrook	Drive, Live	erpool			Dimensions:	1.80m		Scal	e
Client: St.	Modwen Pr	roperties				Trial Pit Stability Stable.	:		Plant U JCB 3	sed: CX
Sample	es & In Situ Tes	sting	Legend	Depth		Stratum	Description			
Deptit (III)	i ype	Results			Soft black to dark (MADE GROUND	brown sandy SILT/CLAY v	vith common rootle	ets to 0.35	i	(III AOD,
0.30 0.40 0.50	D ES B			0.25 -	Soft black dark red is fine to coarse a (MADE GROUND	ddish brown slightly sandy ngular to rounded brick an)	gravelly CLAY/SIL d concrete .	T. Gravel		18.61
1.50 1.60	ES D			1.40 -	Firm to stiff reddis Gravel is fine to m (GLACIAL TILL)	h brown mottled grey, gre edium rounded to angular	enish grey gravelly · silty sandstone.	CLAY.		17.46
2.50	D			310						15 76
				5.10		Trial pit complete	at 3.10 m			10.70
Remarks:								HSV = Hand D = Disturbe B = Buik San LB = Large E AJ = Amber PT = Plastic	Shear Vane reading (KPa) d Sample Jar Tub	
								PT = Plastic V = Vial ES = Enviro	onmental Sample (AJ, PT & V)	
Groundwate	r: No ground	water.					Logged By :	AGV	Checked By :	SC

			F	lydrock I	td (Northampton)				Trial Pit	No
Hyd	rock		З Т	Hawthor el: +44	n Park, Holdenby Roa 0)1604 842 888. Fax	d, Spratton, Northamptor : +44 (0) 1604 842 666	1.		TP07	7
inyu	Consultants		E	mail: no	rthampton@hydrock.co	om			Sheet 1	of 1
Project N Geopost	lame				Project No. C14493	Co-ords: 33891 Level: 18.88 i	5E - 396066N m AOD		Date 10/07/20	e 014
Location	:Sugarbrook I	Drive, Live	rpool			Dimensions:	1.80m		Scal 1:25	e 5
Client: St	t. Modwen Pro	operties				Trial Pit Stability Stable.	:		Plant U JCB 3	sed: CX
Sampl Depth (m)	es & In Situ Test	ting Results	Legend	Depth		Stratum	Description			Level (m AOD)
0.30 0.40	ES D ES D	Kesuits		(m) 0.35 - 2.05 -	Soft black to dark (MADE GROUNE Gravel is fine to c (MADE GROUNE Soft to firm reddis (GLACIAL TILL)	sh brown mottled grey and Trial pit complete	black SILT/CLAY.	AY. J wood .		(<u>m AOD</u>) 18.53 16.83 16.38
Remarks:								HSV = Hand D = Disturbe B = Bulk Sar LB = Large E AJ = Amber PT = Plastc V = Vial ES = Envin	Shear Vane reading (KPa) d Sample Juk Sample Jar Tub ormental Sample (AJ, PT & V)	
Groundwate	er: No groundv	vater.					Logged By :	AGV	Checked By :	SC

Hydi	rock		H 3 T	Hydrock L 3 Hawthor Fel: +44 (td (Northampton) n Park, Holdenby Road, 0)1604 842 888, Fax: -	Spratton, Northamptor +44 (0) 1604 842 666).		Trial Pit	: No B
Project N	Consultants ame		E	-mail: no	Project No	n Co-ords: 338936	E - 396089N		Sheet 1	of 1 e
Geopost	ame				C14493	Level: 18.22 r	m AOD		10/07/2	014
Location:	Sugarbrook	Drive, Live	erpool			Dimensions:	2.40m		Scal 1:25	e 5
Client: St	. Modwen P	roperties				Trial Pit Stability Stable.	:		Plant U JCB 3	sed: CX
Sample Depth (m)	es & In Situ Tes Type	sting Results	Legend	Depth (m)		Stratum	Description			Level (m AOD
					Soft black to dark t (MADE GROUND)	prown sandy SILT with roo	otlets to 0.20.			
0.30 0.40	ES D			0.20 -	Soft to firm dark br to coarse angular t (MADE GROUND)	own to black sandy grave to rounded concrete, woo	lly SILT/CLAY. Gra d and metal .	ivel is fine	2	18.02
0.60	В									
1.20 1.20	ES D			1.20	Greenish grey, silty (GLACIAL TILL)	y fine SAND.				17.02
			번 다 아이는	1.40 -	Soft to firm reddish to coarse angular t (GLACIAL TILL)	brown mottled black gra o rounded silty sandstone	velly CLAY. Grave a.	l is fine		16.82
				2.40						15.82
						i nai pit complete	at 2.40 m			
Remarks:				I.				HSV = Hand D = Disturbe B = Bulk Sar LB = Large E AJ = Amber PT = Plastic V = Vial	Shear Vane reading (KPa) d Sample mple Sulk Sample Jar Tub	
Orașe la f									onmental Sample (AJ, PT & V)	
Groundwate	er: No ground	iwater.					Logged By :	AGV	Checked By :	SC

1.1			ŀ	lydrock l	td (Northampton)				Trial Pit	t No
Hyde	ock		3 T	B Hawthor el: +44 (n Park, Holdenby Road, 0)1604 842 888. Fax: +	Spratton, Northamptor 44 (0) 1604 842 666	1.		TPO	9
inyu	Consultants		E	Email: no	rthampton@hydrock.com	ו (כ) יייי בייב בייב			Sheet 1	of 1
Project N Geopost	ame				Project No. C14493	Co-ords: 33894 Level: 18.57	9E - 396065N m AOD		Date 09/07/2	ə 014
Location:	Sugarbrook	Drive, Live	rpool			Dimensions:	1.80m		Scal	e 5
Client: St	. Modwen Pr	operties				Trial Pit Stability Stable.	:		Plant U JCB 3	sed: CX
Sample	es & In Situ Tes	sting	Legend	Depth		Stratum	Description			Level
Depth (m)	Туре	Results		(m)	Soft grey to black sa	andy SILT with rootlets to	o 0.20.			(m aod)
0.20	ES			0.20	Soft to firm brown, I	black gravelly SILT/CLA	7. Gravel is fine to o	coarse		18.37
0.40	D				(MADE GROUND)					
0.50	В									
0.70	ES		2015 - 11 - 11 - 12 10 - 12 - 12 - 12 10 - 12 - 12 - 12 - 12 - 12 - 12 - 12 -	1.50 -	Firm to stiff reddish medium subrounde (GLACIAL TILL)	brown, gravelly CLAY w d to subangular silty sar	ith silt. Gravel is fir dstone.	ne to		17.07
2.80	D		া কি পিছিল বিশ্ব বিশ্ বিশ্ব বিশ্ব বিশ্ বিশ্ব বিশ্ব বিশ							
				3.40		Trial pit complete	at 3.40 m			15.17
Remarks:								HSV = Hand S D = Disturbed B = Bulk Sam LB = Large Br AJ = Amber J PT = Plastic T V = Vial ES = Enviro	Shear Vane reading (KPa) I Sample ple ulk Sample ar ub nmental Sample (AJ, PT & V)	
Groundwate	r: No ground	water.					Logged By :	AGV	Checked By :	SC

HoleBASE III (Bkd 426.48) Standard Trialpit Log v2 dated 27th Nov 03

Hydr	ock		Н 3 Т	lydrock L 8 Hawthor ⁻el: +44 (.td (Northampton) n Park, Holdenby Road, 0)1604 842 888, Fax: -	, Spratton, Northamptor +44 (0) 1604 842 666	I.		Trial Pit	t No 0
.,	onsultants		E	Email: no	rthampton@hydrock.com	m			Sheet 1	of 1
Project Na Geopost	ame				Project No. C14493	Co-ords: 338997 Level: 18.12 r	IE - 396035N n AOD		Date 11/07/2	e 014
Location:	Sugarbrook	Drive, Live	rpool			Dimensions:	1.80m		Scal	e 5
Client: St.	Modwen P	roperties				Trial Pit Stability Stable.	:		Plant U JCB 3	sed: CX
Sample Depth (m)	s & In Situ Te Type	sting Results	Legend	Depth (m)		Stratum	Description			Leve m AOE)
				0.20	Soft grey to black s (MADE GROUND)	sandy SILT/CLAY with roc	tlets to 0.20.			17.92
0.30 0.40	ES D			0.20	Soft dark brown ar coarse subangular (MADE GROUND)	d black sandy gravelly SII to subrounded brick .	T/CLAY. Gravel is	s fine to		11.02
				0.90	Reddish brown fin	- SAND				17.22
1.10	ES		x x x x x x x x x x x x x x x x x x x x	1.00	(GLACIAL TILL)	grey fine sandy SILT.			/	17.12
			**** ***** ****		(GLACIAL TILL)					
				1.40 -	Firm to stiff reddisl rounded to subang (GLACIAL TILL)	h brown, gravelly CLAY. G jular silty sandstone.	Sravel is fine to me	dium		16.7
Remarks:								HSV = Hand D = Disturbe B = Rythe Sec	Shear Vane reading (KPa) d Sample nole	
								LB = Large I AJ = Amber PT = Plastic V = Vial ES = Frivir	Suk Sample Jar Tub onmental Sample (AJ. PT & V)	
Groundwater	: No ground	lwater.					Logged Bv :	AGV	Checked Bv :	SC

			ŀ	lydrock L	td (Northampton)				Trial Pi	t No
Hyd	rock		З Т	3 Hawthor 「el: +44 (n Park, Holdenby Roa 0)1604 842 888. Fax	d, Spratton, Northampton : +44 (0) 1604 842 666	1.		TP1	1
ilyu	Consultants		E	Email: no	rthampton@hydrock.c	om			Sheet 1	of 1
Project N Geopost	lame				Project No. C14493	Co-ords: 339012 Level: 18.27 r	2E - 396043N m AOD		Dat 11/07/2	e 014
Location	:Sugarbrook I	Drive, Live	rpool			Dimensions:	1.80m		Sca	le 5
Client: St	t. Modwen Pr	operties				Trial Pit Stability Stable.	:		Plant L JCB 3	lsed: ISCX
Sampl	es & In Situ Tes	ting Results	Legend	Depth		Stratum	Description			Level (m AOD)
Dopar(iii)	1900	rtoouno		(,	Soft grey to black	א sandy SILT/CLAY with roc	otlets to 0.20.			(
0.40	ES			0.20 -	Soft dark brown a coarse angular to (MADE GROUNI	and black sandy gravelly SIL o subangular concrete and I D)	_T/CLAY. Gravel is brick .	s fine to		18.07
1.40	ES		EAL THAT H	1.50 1.60 1.90	Reddish brown fi (GLACIAL TILL) Firm to stiff reddi subrounded to su (GLACIAL TILL)	ine SAND. ish brown, gravelly CLAY. G ubangular silty sandstone. Trial pit complete	Gravel is fine to coa	arse		16.77 16.67 16.37
Remarks:								HSV = Hand D = Disturbe B = Bulk Sat LB = Large I AJ = Amber PT = Plastic V = Vial FS = End	Shear Vane reading (KPa) ed Sample Bulk Sample Jar Tub pomental Sample (& LPT & M	
Groundwate	er: No ground	water.					Logged By :	AGV	Checked By :	SC

			ŀ	Hydrock I	td (Northampton)				Trial Pit	No
Hyd	rock		3	3 Hawthor Fel: +44 (n Park, Holdenby Roa 0)1604 842 888. Fax	id, Spratton, Northamptor :: +44 (0) 1604 842 666	1.		TP12	2
inyu	Consultants		E	Email: no	rthampton@hydrock.c	com			Sheet 1	of 1
Project N Geopost	lame				Project No. C14493	Co-ords: 339000 Level: 18.49 r	DE - 396067N m AOD		Date 10/07/2	e 014
Location	:Sugarbrook	Drive, Live	rpool			Dimensions:	2.80m		Scal 1:25	e 5
Client: St	. Modwen Pi	roperties				Trial Pit Stability Stable.	:		Plant U JCB 3	sed: CX
Sampl Depth (m)	es & In Situ Tes Type	sting Results	Legend	Depth (m)		Stratum	Description			Level (m AOD)
0.30 0.40 1.00 1.10	ES D ES D			0.45 -	Very soft grey to (MADE GROUN Soft brown, black to subrounded b (MADE GROUN	black sandy SILT with rooth D) k gravelly SILT/CLAY. Grave rick, concrete and wood . D)	ets to 0.15. el is fine to coarse s	subangula	ar	18.04
1.40	ES			2.80 -	Firm to stiff redd medium subrour (GLACIAL TILL)	ish brown mottled grey grav nded to subangular silty san Trial pit complete	relly CLAY. Gravel i dstone. at 3.00 m	is fine to		15.69 15.49
Remarks:								HSV = Hand D = Disturbe B = Large A = Amber, V = Viai ES = Envir	Shear Vane reading (KPa) d Sample Sample Jar Tub Onenental Sample (AJ, PT & V)	
Groundwate	er: No ground	water.					Logged By :	AGV	Checked By :	SC

		Ú)	ŀ	Hydrock I	_td (Northampton)				Trial Pi	t No
Hyd	rock		ad, Spratton, Northampton x: +44 (0) 1604 842 666	l.		TP1	3			
inyc	Consultants		E	Email: no	rthampton@hydrock.c	com			Sheet 1	of 1
Project N Geopost	lame				Project No. C14493	Co-ords: 338983 Level: 18.80 r	3E - 396100N n AOD		Dat 10/07/2	e 014
Location:	Sugarbrook [Drive, Live	rpool			Dimensions:	1.80m		Sca 1:2	le 5
Client: St	. Modwen Pro	operties				Trial Pit Stability Stable.	:		Plant U JCB 3	lsed: ICX
Sample Depth (m)	es & In Situ Test	t ing Results	Legend	Depth (m)		Stratum	Description			Level (m AOD)
					Soft black sandy (MADE GROUN	SILT with rootlets to 0.15.				(
0.40 0.40	ES ES			0.20 -	Soft dark brown angular to subro (MADE GROUN	to black gravelly SILT/CLAY punded brick, concrete and n D)	⁷ . Gravel is mediun netal .	n to coars	e	- 18.60
Pemarks:				1.90	Firm to stiff redo to coarse round (GLACIAL TILL)	tish brown mottled black gra ed to angular silty sandstone Trial pit complete s	velly CLAY. Grave	I is fine	(Shear Vane reading (KPa)	16.90
Remarks:								D = Disturbe B = Bulk Sar LB = Large AJ = Amber PT = Plastic V = Vial ES = Envir	ru Sampie mple Bulk Sample Jar Tub onmental Sample (AJ, PT & V)	
Groundwate	er: No groundw	vater.					Logged By :	AGV	Checked By :	SC

			ł	Hydrock L	td (Northampton)				Trial Pit	No
Hud	rock		3 T	3 Hawthor	n Park, Holdenby Road 0)1604 842 888	d, Spratton, Northamptor +44 (0) 1604 842 666).		TP14	4
ityu	Consultants		E	Email: no	rthampton@hydrock.co	om			Sheet 1	of 1
Project N Geopost	lame				Project No. C14493	Co-ords: 339011	IE - 396088N m AOD		Date 10/07/20	e 014
Location	:Sugarbrook	Drive, Live	erpool			Dimensions:	1.80m		Scal	e
Client: S	t. Modwen P	roperties				Trial Pit Stability Stable.	;		1:25 Plant U	sed:
									JCB 3	CX
Depth (m)	Type	sting Results	Legend	Depth (m)		Stratum	Description			Level (m AOD)
				0.15	Soft black sandy (MADE GROUNE	SILT with rootlets to 0.15.				18.73
0.30	ES				Soft dark brown g to subrounded bri	ravelly SILT/CLAY. Gravel ick and concrete.	is fine to coarse su	ubangular		
					(MADE GROUNE))				
0.50	D									
1.40	ES									
1.50	D									
				1.65 -	Firm to stiff reddi	sh brown mottled grey grav	elly CLAY. Gravel	is fine to		17.23
				2	(GLACIAL TILL)	to angular only bandotone.				
				2.50						16.20
				2.50		Trial pit complete	at 2.50 m			10.30
Remarks:	I		1					HSV = Hand D = Disturbe B = Bulk Sor	Shear Vane reading (KPa) d Sample nole	
								LB = Large E AJ = Amber PT = Plastic	Sulk Sample Jar Tub	
								v = Vial ES = Envir	onmental Sample (AJ, PT & V)	
Groundwat	er: No ground	lwater.					Logged By :	AGV	Checked By :	SC

Hyd	rock		H 3 T E	lydrock L Hawthor el: +44 (mail: noi	td (Northampton) n Park, Holdenby Road 0)1604 842 888, Fax: thampton@hydrock.co	I, Spratton, Northamptor +44 (0) 1604 842 666 m	۱.		Trial Pi TP1 Sheet 1	t No 5
Project N Geopost	lame				Project No. C14493	Co-ords: 339020 Level: 18.83 r	6E - 396082N m AOD		Dat 10/07/2	e 2014
Location	Sugarbrook	Drive, Live	rpool			Dimensions:	1.80m		Sca	le
Client: St	. Modwen Pr	roperties				Trial Pit Stability Stable.	:		Plant L JCB 3	3 Jsed: BCX
Sample Depth (m)	es & In Situ Tes Type	sting Results	Legend	Depth (m)		Stratum	Description			Level (m AOD)
0.30 0.40 0.60	ES D B			0.35 -	Very soft to soft da (MADE GROUND Soft black to reddi coarse angular to (MADE GROUND	ark grey sandy SILT with r) ish brown sandy gravelly S subrounded brick and cor)	ootlets to 0.15. SILT/CLAY. Gravel	is mediur	n to	- 18.48
	1.10 Firm to stiff reddish brown mottled grey gravelly CLAY. Gravel is fine to coarse rounded to angular silty sandstone. (GLACIAL TILL)								- 17.73	
2.25 Trial pit complete at 2.25 m								16.58		
Remarks:								HSV = Hanc D = Disturbe B = Bulk Sau LB = Large I AJ = Amber	I Shear Vane reading (KPa) d Sample Duk Sample Jar	
								PT = Plastic V = Vial ES = Envir	Tub onmental Sample (AJ, PT & V)	
Groundwate	er: No ground	water.					Logged By :	AGV	Checked By :	SC

		I	Hydrock I	_td (Northampton)				Trial Pi	t No
Hyd	rock	:	3 Hawthor Tel: +44	n Park, Holdenby Roa (0)1604 842 888. Fax	ad, Spratton, Northamptor x: +44 (0) 1604 842 666	1.		TP1	6
inyu	Consultants	I	Email: no	rthampton@hydrock.c	com			Sheet 1	of 1
Project N Geopost	lame			Project No. C14493	Co-ords: 339049 Level: 18.70 r	9E - 396098N m AOD		Dat 11/07/2	e 014
Location	:Sugarbrook Drive, Li	/erpool			Dimensions:	1.80m		Sca 1:2	le 5
Client: St	t. Modwen Properties				Trial Pit Stability Stable.	:		Plant U JCB 3	lsed: ISCX
Sampl Depth (m)	es & In Situ Testing Type Result	Legend	Depth (m)		Stratum	Description		I	Level (m AOD)
			0.15	Soft black sandy (MADE GROUN	/ SILT/CLAY with rootlets to ID)	0.15.			10.55
0.30 0.40 0.50	ES D B		0.15	Soft brown and medium subang (MADE GROUN	black fine sandy gravelly SIL lular to subrounded concrete ID)	T/CLAY. Gravel is and brick .	fine to		10.00
0.90	ES		1.50 -	Reddish brown ((GLACIAL TILL)	and pale brown silty fine SA	ND.			17.20
			1.70	Firm to stiff redo	dish brown and dark brown, s n occasional coarse rounde	silty gravelly CLAY d to angular silty s	. Gravel andstone		17.00
			200	(GLACIAL TILL)					16 70
Remarks:	<u> </u>		<u> </u>				HSV = Hand D = Disturbe B = Bulk Sat LB = Large AJ = Amber PT = Plastic	I Shear Vane reading (KPa) d Sample mple Bulk Sample Jar Tub	<u> </u>
							V = Vial ES = Envir	ronmental Sample (AJ, PT & V)	
Groundwate	er: No groundwater.					Logged By :	AGV	Checked By :	SC

	- P		ŀ	Hydrock L	td (Northampton)				Trial Pit	t No
Hud	rock		3 T	3 Hawthor	n Park, Holdenby Ro 0)1604 842 888	oad, Spratton, Northamptor ax: +44 (0) 1604 842 666	۱.		TP1	7
inyu	Consultants		E	Email: no	rthampton@hydrock.	.com			Sheet 1	of 1
Project N Geopost	lame				Project No. C14493	Co-ords: 339038 Level: 18.68 r	3E - 396067N m AOD		Date 11/07/2	e 014
Location:	:Sugarbrook	Drive, Live	rpool			Dimensions:	1.80m		Scal	le 5
Client: St	. Modwen P	roperties				Trial Pit Stability Stable.	:		Plant U JCB 3	lsed: ICX
Sample Depth (m)	es & In Situ Te Type	sting Results	Legend	Depth (m)		Stratum	Description			Level (m AOD)
				0.15	Soft black sand (MADE GROUN	ly SILT/CLAY with rootlets to ND)	0.15.			18.53
0.30 0.40 0.60	D ES B			0.15	Soft brown and coarse angular (MADE GROUN	black fine sandy gravelly SIL to rounded concrete and bric ND)	T/CLAY. Gravel is	fine to		18.55
1.40 1.40	ES D			1.90 -	Firm to stiff red is fine to mediu (GLACIAL TILL	ldish brown and dark brown, im rounded to angular silty sa .)	silty gravelly CLAY andstone .	'. Gravel		16.78
Remarks:						Trial pit complete	at 2.30 m	HSV - Hard	15 Pesar Vane reading (KPa)	
Remarks:								D = Disturbe B = Bulk Sa LB = Large AJ = Amber PT = Plastic V = Vial ES = Envir	ed Sample mple Bulk Sample Jar Tub ronmental Sample (AJ, PT & V)	
Groundwate	er: No ground	water.					Logged By :	AGV	Checked By :	SC

			ŀ	lydrock l	td (Northampton)				Trial Pit	No	
Hyde	ock		З Т	Hawthor el: +44 (n Park, Holdenby Roa 0)1604 842 888 Fay	ad, Spratton, Northamptor x: +44 (0) 1604 842 666	l.		TP1	B	
iyu	Consultants		E	Email: no	rthampton@hydrock.	com			Sheet 1	of 1	
Project N Geopost	ame				Project No. C14493	Co-ords: 339038 Level: 18.22 r	5E - 396047N n AOD		Date 09/07/2	e 014	
Location:	Sugarbrook D	Drive, Live	rpool			Dimensions:	1.80m		Scale 1:25		
Client: St.	. Modwen Pro	operties				Trial Pit Stability Stable.	:		Plant U JCB 3		
Sample Depth (m)	es & In Situ Test	ing Results	Legend	Depth (m)		Stratum	Description			Level (m AOD)	
				0.10	Soft black sandy (MADE GROUN	y SILT/CLAY with rootlets to ID)	0.10.			18.12	
0.20	ES				Very soft to soft is fine to coarse (MADE GROUN	brown and black fine sandy subangular to subrounded I ID)	gravelly SILT/CLA' prick .	Y. Gravel			
0.50	D										
0.70	ES			0.90						17.40	
1.40	D ES		가가 한 가슴 가슴, 가지 않고 않고 한 가슴 가슴 가슴, 가지 않고 않고 한 가슴, 가지 않고		subrounded to s (GLACIAL TILL)	jubangular grey silty sandsto	ne.				
				3.20		Trial pit complete	at 3.20 m			15.02	
Remarks:								HSV = Hanc D = Disturb B = Buk Sa LB = Large	I Shear Vane reading (KPa) di Sample mple Buk Sample		
								AJ = Amber PT = Plastic V = Vial ES = Envir	Jar Tub ronmental Sample (AJ, PT & V)		
Groundwate	er: No groundw	/ater.					Logged By :	AGV	Checked By :	SC	

			ł	Hydrock I	td (Northampton)				Trial Pit	No	
Hyd	rock		3 T	3 Hawthor Fel: +44 (n Park, Holdenby Road 0)1604 842 888. Fax	I, Spratton, Northamptor +44 (0) 1604 842 666	1.		TP19	9	
iyu	Consultants		E	Email: no	rthampton@hydrock.co	m			Sheet 1	of 1	
Project N Geopost	lame				Project No. C14493	Co-ords: 339057 Level: 18.68 r	7E - 396065N m AOD		Date 11/07/20	e 014	
Location	:Sugarbrook	Drive, Live	rpool		•	Dimensions:	1.80m		Scale 1:25		
Client: St	t. Modwen P	roperties				Trial Pit Stability Stable.	Trial Pit Stability : Plant Stable. JCB			sed: CX	
Sampl Depth (m)	es & In Situ Tes	sting Results	Legend	Depth (m)		Stratum	Description			Level (m AOD)	
Dopur(iii)	Туро	rtoodito		(,	Very soft to soft bl	ack sandy SILT/CLAY with	n rootlets to 0.15.			(
0.30 0.40	ES D			0.15 -	Soft dark brown a medium to coarse wood and concret (MADE GROUND	, nd black slightly sandy gra angular to subrounded br e .)	velly SILT/CLAY. G ick, steel reinforce	Gravel is ment bar,		18.53	
1.10	ES			1.95 -	Firm to stiff reddis subrounded to any (GLACIAL TILL)	h brown, gravelly CLAY. C gular silty sandstone.	Gravel is fine to mee	dium		16.73	
				2.50		Trial pit complete	at 2.50 m			16.18	
								HSV = Harc	J Shear Vane reading (KPa)		
Remarks:								D = Disturbe B = Bulk Sa LB = Large AJ = Amber PT = Plastic V = Vial ES = Envi	ы онсан чалыс readong (КРЗ) ad Sample Bulk Sample Jar Tub ronmental Sample (AJ, PT & V)		
Groundwate	er: No ground	water.					Logged By :	AGV	Checked By :	SC	

1.6	1.1		F 3	Hydrock L 8 Hawthor	td (Northampton) n Park, Holdenby Road	d, Spratton, Northampton	1.		Trial Pit	t No
Hydr	ock	7	T	el: +44 (0)1604 842 888, Fax:	+44 (0) 1604 842 666			TP2	0
	Consultants		E	mail: noi	thampton@hydrock.co		E 200024N		Sheet 1	of 1
Project N Geopost	ame				Project No. C14493	Level: 17.91 r	n AOD		11/07/2	e 014
Location:	Sugarbrook	Drive, Live	erpool			Dimensions:	1.80m		Scal	e
Client: St.	. Modwen P	roperties				Trial Pit Stability Stable.	:		sed: CX	
Sample	es & In Situ Te	esting Results	Legend	Depth (m)		Stratum	Description			Level (m AOD
0.30	FS			(11)	Soft black sandy (MADE GROUNE	SILT/CLAY with rootlets to))	0.20.			
0.40	D			0.35 –	Soft dark brown a fine to coarse and (MADE GROUNE	Ind black slightly sandy gra gular to rounded brick and ())	velly SILT/CLAY. G concrete .	aravel is		17.56
1.40 1.50	ES D		1년 1년 1년 1년 1월 20일 19일 - 11일 - 11일 11일 - 11일	1.80 - 2.00 -	Reddish brown m fine to medium, a (GLACIAL TILL) Firm reddish brov angular silty sand (GLACIAL TILL)	nottled grey and pale brown ngular to subrounded quar wn, gravelly CLAY. Gravel i Istone.	silty gravelly SANI tz and silty sandsto s fine to medium s	D. Gravel ne. ubrounde	is ed to	16.11 15.91
				3.00		Trial pit complete	at 3.00 m			14.91
Remarks:								HSV = Harr D = Disturk	1 Shear Vane reading (KPa) d Sample	
Remarks:								D = Disturbe B = Bulk Sar LB = Large I AJ = Amber PT = Plastic V = Vial ES = Envir	ed Sample mple Bulk Sample Jar Tub ronmental Sample (AJ, PT & V)	
Groundwate	r: No ground	dwater.					Logged By :	AGV	Checked By :	SC

		H	Hydrock L	td (Northampton)				Trial Pi	t No
Hyd	rock	-	3 Hawthor Fel: +44 ()	n Park, Holdenby Road 0)1604 842 888, Fax	d, Spratton, Northamptor +44 (0) 1604 842 666).		TP2	1
Tiyu	Consultants	E	Email: noi	thampton@hydrock.co	om			Sheet 1	of 1
Project N Geopost	lame			Project No. C14493	Co-ords: 33909 ⁴ Level: 18.27 r	IE - 396050N m AOD		Dat 11/07/2	e 2014
Location	:Sugarbrook Driv	e, Liverpool			Dimensions:			Sca 1:2	le 5
Client: St	t. Modwen Prope	rties			Trial Pit Stability : Pla Stable. J(Jsed: BCX
Sampl	es & In Situ Testing	Legend	Depth	Stratum Description					
0.10	ES		(,	Very soft to soft b	lack sandy SILT/CLAY with	n rootlets to 0.20.			
0.30 0.40	ES D		0.20 -	Soft dark brown a fine to coarse ang (MADE GROUNE	nd black slightly sandy gra jular to subrounded brick a))	velly SILT/CLAY. G	avel is		- 18.07
1.50	ES								
2.00	D		1.90 -	Stiff pale brown n coarse subrounde (GLACIAL TILL)	nottled orange brown, grav ed to subangular silty sand	elly CLAY. Gravel i stone.	s fine to		16.37
Remarks:							HSV = Hand D = Diaturbe B = Buk, San La Lange Amber, A = Amber, V = Vial ES = Envirc	Shear Vane reading (KPa) Sample ple dar tub romental Sample (AJ, PT & V)	
Groundwate	er: No groundwate	r				Logged By :	AGV	Checked By :	SC

	1.1		ŀ	lydrock L	td (Northampton)				Trial Pi	t No
Hyde	rock		3 T	3 Hawthor Fel: +44 (n Park, Holdenby Roa 0)1604 842 888	ad, Spratton, Northampton x: +44 (0) 1604 842 666	l.		TP2	2
iyu	Consultants	- C	E	Email: no	rthampton@hydrock.c	com			Sheet 1	of 1
Project N Geopost	lame				Project No. C14493	Co-ords: 339078 Level: 18.69 r	3E - 396083N n AOD		Dat 09/07/2	e 014
Location:	Sugarbrook	Drive, Live	rpool			Dimensions:	1.80m		Sca 1:2	le 5
Client: St	. Modwen P	roperties				Trial Pit Stability Slight collapse b	Stability : Plant Ilapse below 2.5m. JCB			
Sample Depth (m)	es & In Situ Te Type	sting Results	Legend	nd Depth Stratum Description						Level (m AOD)
0.10	ES D				Very soft to soft (MADE GROUN	black sandy SILT/CLAY with ID)	rootlets to 0.20.			
0.30	D			0.20 -	Firm to stiff redd medium to coars (MADE GROUN	tish brown to brown gravelly se subangular to subrounde ID)	sandy SILT/CLAY d brick and concre	. Gravel te .		- 18.49
2.00	D			1.90 -	Stiff reddish brov Gravel is fine to and quartz. (GLACIAL TILL)	wn mottled brown and grey g medium well rounded to sub	gravelly, sandy SIL brounded grey silty	T/CLAY.	le	- 16.79
				2.80		Trial pit complete	at 2.80 m			15.89
Remarks:	, I			L				HSV = Hand D = Disturbe B = Bulk Sat LB = Large I AJ = Amber PT = Plastic V = Vial	I Shear Vane reading (KPa) d Sample mple Bulk Sample Jar Tub perpendial Sample (A L DT & Vi	
Groundwate	er: Moderate	inflow at 2.5	n.				Logged By :	AGV	Checked By :	SC

		Ô.	ŀ	lydrock l	td (Northampton)				Trial Pi	t No
Hyd	rock		3	BHawthor	n Park, Holdenby Ro 0)1604 842 888, Fa	ad, Spratton, Northampton x: +44 (0) 1604 842 666			TP2	3
Tyu	Consultants		E	mail: no	rthampton@hydrock.	com			Sheet 1	of 1
Project N Geopost	lame				Project No. C14493	Co-ords: 339127 Level: 18.53 r	'E - 396079N n AOD		Dat 11/07/2	e 014
Location:	Sugarbrook D	rive, Live	rpool			Dimensions:	1.80m		Sca 1:2	le 5
Client: St	. Modwen Pro	perties				Trial Pit Stability Stable.	:		Plant U JCB 3	lsed: ICX
Sample Depth (m)	es & In Situ Testi Type	ng Results	Legend	nd Depth Stratum Description						Level (m AOD)
					Very soft to soft (MADE GROUN	black sandy SILT/CLAY with	rootlets to 0.20.			
0.30 0.40	D ES ES			0.20 -	Soft reddish bro coarse angular (MADE GROUN	wn to brown sandy gravelly (to subrounded brick and con ND)	SILT/CLAY. Grave crete .	I is fine to		18.33
				1.70	Stiff reddish bro Gravel is fine to (GLACIAL TILL	wn mottled brown and grey g medium well rounded to sut) Trial pit complete	gravelly, sandy SIL prounded silty san	T/CLAY. dstone.		16.83
nemarks.								B = Bulk Sar LB = Large I AJ = Amber PT = Plastic V = Vial ES = Envir	a Sumpre nple Suk Sample Jar Tub onmental Sample (AJ, PT & V)	
Groundwate	er: No groundw	ater.					Logged By :	AGV	Checked By :	SC

		ŀ	Hydrock I	td (Northampton)				Trial Pit	t No
Hydr	ock	3 T	8 Hawthor Fel: +44 (n Park, Holdenby Roa 0)1604 842 888 Fax	id, Spratton, Northamptor ;; +44 (0) 1604 842 666	۱.		TP2	4
i iyun	nsultants	E	Email: no	rthampton@hydrock.c	om			Sheet 1	of 1
Project Na Geopost	me			Project No. C14493	Co-ords: 339126 Level: 18.15 (6E - 396045N m AOD		Date 11/07/2	e 014
Location:S	ugarbrook Drive, Live	erpool			Dimensions:	Dimensions:			
Client: St. I	Modwen Properties				Trial Pit Stability : Pla Stable. JC				lsed: ISCX
Samples Depth (m)	& In Situ Testing Type Results	Legend	Depth (m)		Stratum	Description			Level (m AOD)
0.30	ES D		0.15 -	Soft black sandy (MADE GROUN Soft dark brown coarse angular t (MADE GROUN	SILT/CLAY with rootlets to D) to black sandy gravelly SILT o subrounded brick, slate, p D)	0.15.	ine to		- 18.00
1.80 1.90	ES D		1.85 - 2.00 -	Greenish grey m (GLACIAL TILL)	ottled black, brownish yello Trial pit complete	w silty SAND. at 2.00 m			16.30
Remarks:							HSV = Hand D = Disturbe B = Bulk Sar LB = Large fi	i Shear Vane reading (KPa) d Sample mple Buk Sample	
							AJ = Amber PT = Plastic V = Vial ES = Envir	Jar Tub ronmental Sample (AJ, PT & V)	
Groundwater:	No groundwater.					Logged By :	AGV	Checked By :	SC

		2	H	Hydrock L	td (Northampton)	ad Spratton Northamptor			Trial Pit	t No
Hvd	rock		T	Fel: +44 (0)1604 842 888, Fax	c: +44 (0) 1604 842 666			TP2	5
1	Consultants		E	Email: no	rthampton@hydrock.c	com			Sheet 1	of 1
Project N Geopost	lame				Project No. C14493	Co-ords: 339132 Level: 17.94 i	2E - 396013N m AOD		Date 11/07/2	e 014
Location		Scal								
Client: St	. Modwen F	Properties				Trial Pit Stability : Slow flowing loose sand below 2.8m.			Plant U JCB 3	sed: CX
Sampl Depth (m)	es & In Situ Te	esting Results	Legend	Depth (m)	Stratum Description					Level (m AOD
					Soft black sandy (MADE GROUN	SILT/CLAY with rootlets to D)	0.15.			
0.30 0.30	ES D			0.25 -	Soft dark grey to coarse subangul (MADE GROUN	black sandy gravelly SILT/(lar brick . D)	CLAY. Gravel is find	e to		17.69
2.00	D			1.80 -	Reddish brown, to medium angu (GLACIAL TILL)	grey and pale brown silty gr lar to subrounded silty sand	avelly SAND. Grav Istone and quartz.	vel is fine		16.14
				3.00		Trial pit complete	at 3.00 m			14.94
Remarks:								HSV = Hanc D = Distub B = Luk Sa B = Luk Sa H = Luk Sa V = Vial E S = Errk	d Shear Vane reading (KPa) d Sample mpik Jampie Jampie Jampie Jamone Tub	
		flaw, at 0,0 as					Loggod By :			

		i)	F	lydrock L	td (Northampton)				Trial Pit	No
Hyd	rock		З Т	1.		TP2	6			
inyu	Consultants		E	mail: no	rthampton@hydrock.c	com			Sheet 1	of 1
Project N Geopost	lame				Project No. C14493	Co-ords: 339164 Level: 18.18 r	IE - 396058N n AOD		Date 11/07/2	e 014
Location	:Sugarbrook D)rive, Live	rpool			Dimensions:	1.80m		Scal 1:25	e 5
Client: St	t. Modwen Pro	operties				Trial Pit Stability Stable.	:		Plant U JCB 3	sed: CX
Sampl Depth (m)	es & In Situ Testi Type	ing Results	Legend	Depth (m)		Stratum	Description			Level (m AOD)
0.40 0.50	ES D ES			0.35 -	Soft black sandy (MADE GROUN Soft black to dar coarse angular t (MADE GROUN	to dark grey sandy gravelly SILT/CLAY. Gravel is medium to gular to subangular brick. ROUND)				
2.30 Remarks:	2.30 D 2.20 Reddish brown mottled black in places fine silly SAND. (GLACIAL TILL) 2.60 Stiff pale brown mottled orange brown, gravelly CLAY. Gravel is fine to coarse subrounded to subangular sitly sandstone. (GLACAL TILL) 2.85 Trial pit complete at 2.85 m									15.98
								LB = Large AJ = Amber PT = Plastic V = Vial ES = Envir	Bulk Sample Jar Tub ronmental Sample (AJ, PT & V)	
Groundwate	er: No groundw	ater.					Logged By :	AGV	Checked By :	SC



Figure 1: WS02



Figure 2: TP16





Figure 3: WS03



Appendix C

Site Monitoring Data
	Site: Geopost, Liverpool					Notes on site conditions:																	
Job n	umber:	C14493						20.08.2	014:-	Ground	wet fro	m rain sh	owers										
	Client:	St Modwe	en Pro	operties				4															
	Ga	is analyser	GFM	1435 No. 1	1874																		
Eq	upment	t check OK	Y					-															
6.	Serv	ice in date:	Y					-															
Ca Nome of a	libration		Y Dod	Langlar				-															
Name of p	person n	nonitoring	Rou	Langley				Notes		lower ev	nlosival	imit = 5%	/ * w	horo th	e flow is	less the	n the lir	nit of de	tection	of the in	strume	nt the du	otort
Monitorin	g round	1		Borehole	details			Pressure and flow					J V/V. V	Gas concentrations							I, IIC G	SV	
	Bround								≱								oncenti						Ť
Dat	Tim	Boret	Single or du	Response zon	oepth to water or dry (D denotes	Volume of headsp pipie & filter	Atmospheric p	m pressure fallin	Gas flow Relative BH pre		as flow* (absolut Gas flow [*])	VOC (as ppr	CH₄ (%v/v)		CH ₄ (%LEL)		CO ₂ (%v/v)		(%	⊃₂ v/v)	Gas Screening Va	G
œ	Ū	ōle	al gas tap	e depth (m)	depth of hole if m)	dry hole	pace in BH (well pack) (m ³)	ressure (hPa)	g / rising / steady	essure (hPa)	* (I/hr)	rte value) (l/hr)	using PID)	Initial	Steady	Initial	Steady	Initial	Steady	Initial	Steady	lue (CH₄) (l/hr)	···· / ··· 2/ / ··· /
								Max. i	ndividu	ual values:		0.1			6.8		14.8		6.6		20.7	0.0068	0.0
								Min.	individ	ual values:	:	0.1			0.1		0.1		0.2		3.2	0.0001	0.0
											Worst-ca	se GSVs ba	ased on m	ax. individ	dual flow	and max.	individua	conc. ov	er the dur	ation of t	his table:	0.0068	0.0
24.07.2014		WS 01	S	3.93	0.98		0.00192	1025	S	0	0.1	0.1		0.1	0.1	0.1	0.1	0.4	0.3	20.5	20.5	0.0001	0.0
24.07.2014		WS 02	S	3.1	2.37	-	0.00552	1025	S	0	0.1	0.1		0.1	0.1	0.1	0.1	4.7	4.7	16.6	16.6	0.0001	0.0
24.07.2014		WS 03	S	3.74	1.75		0.00344	1025	S	0	0.1	0.1		0.1	0.1	0.1	0.1	1.9	1.9	1/	1/	0.0001	0.0
24.07.2014		WS 04	0	3.89	3.43	-	0.00827	1025	<u> </u>	0	0.1	0.1	-	0.1	0.1	0.1	0.1	1.9	1.9	18.5	18.5	0.0001	0.0
24.07.2014		WS 06	3	3.97	2 38	-	0.00728	1025	3	0	0.1	0.1		0.0	0.0	0.1	0.1	1.7	1.7	19.2	10.2	0.0000	0.0
24.01.2014				0.40	2.00		0.00401	1020		Ű	0.1	0.1		0.1	0.1	0.1	0.1	1.7	1.7	10.2	10.2	0.0001	0.0
07.08.2014		WS 01	s	3 93	1.08		0.00212	1013	s	0	0.1	0.1	-	0.1	0.1	0.1	0.1	0.4	0.4	20.5	20.5	0.0001	0.0
07.08.2014		WS 02	s	3.1	1.58		0.00347	1013	s	0	0.1	0.1		0.1	0.1	0.1	0.1	1.8	1.7	19.4	19.4	0.0001	0.0
07.08.2014		WS 03	S	3.74	1.79		0.00351	1013	S	0	0.1	0.1		0.1	0.1	0.1	0.1	1.7	1.5	17.7	17.7	0.0001	0.0
07.08.2014		WS 04	S	3.89	1.73		0.00386	1013	S	0	0.1	0.1		0.1	0.1	0.1	0.1	4.1	4.1	17	17	0.0001	0.0
07.08.2014		WS 05	S	3.97	2.18		0.00439	1013	S	0	0.1	0.1		0.1	0.1	0.1	0.1	4.2	4.2	13.3	13.3	0.0001	0.0
07.08.2014		WS 06	S	3.48	2.39		0.00494	1013	S	0	0.1	0.1		0.2	0.2	6.1	6.1	4	4	17.3	17.3	0.0002	0.0
20.08.2014		WS 01	S	3.93	1.13	<u> </u>	0.00222	1013	S	0	0.1	0.1	N/D	0.1	0.1	0.1	0.1	0.3	0.3	20.7	20.7	0.0001	0.0
20.08.2014		WS 02	S	3.1	0.78		0.00153	1012	R	0	0.1	0.1	N/D	0.1	0.1	0.1	0.1	0.4	0.4	20.7	20.7	0.0001	0.0
20.08.2014		WS 03	S	3.74	1.82		0.00357	1013	S	0	0.1	0.1	N/D	0.1	0.1	0.1	0.1	1.3	0.9	19.2	19.6	0.0001	0.0
20.08.2014		WS 04	S	3.89	0.23		0.00045	1013	S	0	0.1	0.1	N/D	0.1	0.1	0.1	0.1	0.3	0.2	20.7	20.7	0.0001	0.0
20.08.2014		WS 05	S	3.97	0.95		0.00187	1011	R	0	0.1	0.1	N/D	0.1	0.1	0.1	0.1	0.4	0.4	20.7	20.7	0.0001	0.0
20.08.2014		WS 06	S	3.48	2.37		0.00489	1011	R	0	0.1	0.1	N/D	0.6	0.6	14.8	14.8	6.6	6.6	14.8	14.8	0.0006	0.0
						-			-				+								┝───	+	┣
					+	+			+			1		+	+				+		+	+	+
						\vdash			1			1	1	+							<u> </u>	<u>+</u>	+
						1			1			1			1						<u> </u>	1	\vdash
					1	1			1		1		1	1	1		1	1	1	1	1	1	1
P																							



Local conditions Notes on condition of borehole and surrounding ground Ę 0066 0002 0066 0003 0047 0019 Summary statistics for this monitoring period. 0019 0064 0017 0004 0017 0015 0041 0042 004 0003 0004 0009 0002 0004 0066

tion limit is reported. GSVs are rounded to 3 places.



Appendix D

Hydrock Methodology

Hydrock Report Appendix on Hydrock Methodology, version 11 updated 13-06-14 applies to this report.

This appendix may not be included in the printed report to reduce the document size.

It is presented in the PDF version of the report on the CD enclosed with the printed report. Alternatively, it can be supplied on request by quoting the version number and date.



Appendix E

Contamination Test Results and Statistical Analysis



Rebecca Price Hydrock Consultants Ltd 2-4 Hawthorne Park Holdenby Road Spratton Northamptonshire NN6 8LD

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e: rebeccaprice@hydrock.com



i2 Analytical Ltd. 7 Woodshots Meadow, Croxley Green Business Park, Watford, Herts, WD18 8YS

t: 01923 225404 f: 01923 237404 e: reception@i2analytical.com

Analytical Report Number : 14-57259

Replaces Analytical Report Number : 14-57259, issue no. 1

Project / Site name:	Geopost, Liverpool	Samples received on:	15/07/2014
Your job number:	C14493	Samples instructed on:	15/07/2014
Your order number:	N6082/C14493	Analysis completed by:	04/08/2014
Report Issue Number:	2	Report issued on:	04/08/2014
Samples Analysed:	31 soil samples		

Signed:

Dr Claire Stone Quality Manager For & on behalf of i2 Analytical Ltd.

Other office located at: ul. Pionierów 39, 41 -711 Ruda Śląska, Poland

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

Excel copies of reports are only valid when accompanied by this PDF certificate.

Signed:

Rexona Rahman Customer Services Manager For & on behalf of i2 Analytical Ltd.

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





Project / Site name: Geopost, Liverpool

Lab Sample Number	Sample Number						355756	355757
Sample Reference				TP01	TP02	TP02	TP03	TP05
Sample Number				None Supplied				
Depth (m)				0.20	0.40	1.50	0.30	0.40
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating
Time Taken				None Supplied				
		1						
Analytical Parameter (Soil Analysis)	Units	Limit of detection	occreditation Status					
Stone Contont	04	0.1		< 0.1	< 0.1	< 0.1	01	< 0.1
Stone Content	%	0.1	NONE	12	< 0.1 7 0	< 0.1	91	< 0.1
Moisture Content	%	N/A	NONE	12	7.8	8.7	5.2	8.7
Total mass of sample received	кд	0.001	NONE	0.40	0.47	0.49	0.42	0.47
Asbestos in Soil Screen / Identification Name	Туре	N/A	ISO 17025	-	-	-	-	-
Asbestos in Soil	Туре	N/A	ISO 17025	Not-detected	-	Not-detected	Not-detected	Not-detected
Asbestos Identification Name (Subcontracted)	Туре	N/A	ISO 17025	-	-	-	-	-
Asbestos Quantification (Subcontracted)	%	0.001	ISO 17025	-	-	-	-	-
General Inorganics								
рН	pH Units	N/A	MCERTS	7.9	9.1	8.1	8.3	8.6
Free Cyanide	mg/kg	1	NONE	< 1	-	< 1	< 1	< 1
Total Sulphate as SO₄	mg/kg	100	ISO 17025	-	3300	-	-	-
Total Sulphate as SO ₄	%	0.01	ISO 17025	-	0.327	-	-	-
Water Soluble Sulphate (Soil Equivalent)	g/l	0.0025	MCERTS	-	1.8	-	-	-
Water Soluble Sulphate as SO_4 (2:1)	mg/kg	2.5	MCERTS	-	1800	-	-	-
Water Soluble Sulphate (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.10	0.92	0.40	0.24	0.12
Water Soluble Sulphate (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	103	917	400	236	118
Water Soluble Chloride (2:1)	mg/kg	5	MCERTS	-	160	-	-	-
Water Soluble Chloride (2:1) (leachate equivalent)	ma/l	5	MCERTS	-	81	-	-	-
Total Sulphur	ma/ka	100	NONE	-	1400	-	-	-
Total Sulphur	%	0.01	NONE	-	0.139	-	-	-
Ammonium as NH ₄	mg/kg	5	MCERTS	-	< 5.0	-	-	-
Ammonium as NH ₄ (leachate equivalent)	mg/l	5	MCERTS	-	< 5.0	-	-	-
Fraction Organic Carbon (FOC)	N/A	0.00001	NONE	0.024	-	0.011	0.0073	0.0032
Water Soluble Nitrate (2:1) as N	, ma/ka	2	NONE	-	-	-	-	-
Water Soluble Nitrate (2:1) as NO ₃	mg/kg	10	NONE	-	< 10	-	-	-
Water Soluble Nitrate (2:1) as NO ₃ (leachate equivalent	t mg/kg	10	NONE	-	< 10	-	-	-
							-	
Total Phenois	1	-						
Total Phenols (monohydric)	mg/kg	2	MCERTS	< 2.0	-	< 2.0	< 2.0	< 2.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	0.22	-	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.1	MCERTS	< 0.10	-	< 0.10	< 0.10	< 0.10
Acenaphthene	mg/kg	0.1	MCERTS	0.45	-	< 0.10	< 0.10	< 0.10
Fluorene	mg/kg	0.1	MCERTS	0.30	-	< 0.10	< 0.10	< 0.10
Phenanthrene	mg/kg	0.1	MCERTS	4.1	-	0.75	0.97	0.60
Anthracene	mg/kg	0.1	MCERTS	0.77	-	0.14	0.45	0.23
Fluoranthene	mg/kg	0.1	MCERTS	6.4	-	1.3	3.3	0.86
Pyrene	mg/kg	0.1	MCERTS	6.2	-	1.2	3.1	0.91
Benzo(a)anthracene	mg/kg	0.1	MCERTS	3.1	-	0.55	1.7	0.38
Chrysene	ma/ka	0.05	MCERTS	3.9	-	0.69	2.0	0.55
Benzo(b)fluoranthene	ma/ka	0.1	MCERTS	4.4	-	0.65	2.3	0.46
Benzo(k)fluoranthene	ma/ka	0.1	MCERTS	2.0	-	0.35	1.2	0.28
Benzo(a)pyrene	ma/ka	0.1	MCERTS	4.2	-	0,66	2.2	0.51
Indeno(1,2,3-cd)pyrene	ma/ka	0.1	MCERTS	1.8	-	0.28	0.98	< 0.10
Dibenz(a,h)anthracene	ma/ka	0.1	MCERTS	0.33	-	< 0.10	< 0.10	< 0.10
Benzo(ghi)pervlene	ma/ka	0.05	MCERTS	2.2	-	0.40	1.1	< 0.05
								5.00
Total PAH								
Speciated Total EPA-16 PAHs	ma/ka	1.6	MCERTS	40.3	-	6.92	19.4	4.78





Project / Site name: Geopost, Liverpool

Lab Sample Number	ab Sample Number					355755	355756	355757
Sample Reference				TP01	TP02	TP02	TP03	TP05
Sample Number				None Supplied				
Depth (m)				0.20	0.40	1.50	0.30	0.40
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating
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	89	-	20	24	11
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	1.3	-	0.8	1.2	0.5
Boron (water soluble)	mg/kg	0.2	MCERTS	0.6	-	0.7	0.4	< 0.2
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	2.7	-	4.2	0.6	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	3.2	-	< 1.2	< 1.2	< 1.2
Chromium (III)	mg/kg	1	NONE	98	-	20	24	23
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	100	-	20	24	23
Copper (aqua regia extractable)	mg/kg	1	MCERTS	270	-	120	210	31
Lead (aqua regia extractable)	mg/kg	1	MCERTS	550	-	100	90	34
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	1.1	-	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	45	-	23	44	26
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	-	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	39	-	28	41	27
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	380	-	540	330	73
Magnesium (water soluble)	mg/kg	5	NONE	-	< 5.0	-	-	-
Magnesium (leachate equivalent)	mg/l	5	NONE	-	< 5.0	-	-	-





Project / Site name: Geopost, Liverpool

Your Order No: N6082/C14493

Lab Sample Number				355753	355754	355755	355756	355757
Sample Reference				TP01	TP02	TP02	TP03	TP05
Sample Number				None Supplied				
Depth (m)				0.20	0.40	1.50	0.30	0.40
Date Sampled	Deviating	Deviating	Deviating	Deviating	Deviating			
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied			
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Monoaromatics								
Benzene	µg/kg	1	MCERTS	-	-	< 1.0	-	-
Toluene	µg/kg	1	MCERTS	-	-	< 1.0	-	-
Ethylbenzene	µg/kg	1	MCERTS	-	-	< 1.0	-	-
p & m-xylene	µg/kg	1	MCERTS	-	-	< 1.0	-	-
o-xylene	µg/kg	1	MCERTS	-	-	< 1.0	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	-	-	< 1.0	-	-

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.1	MCERTS	-	-	< 0.1	-	-
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.1	MCERTS	-	-	< 0.1	-	-
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.1	MCERTS	-	-	< 0.1	-	-
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	-	-	< 1.0	-	-
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	-	-	< 2.0	-	-
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	-	-	< 8.0	-	-
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	-	-	87	-	-
TPH-CWG - Aliphatic >EC16 - EC35	mg/kg	10	NONE	-	-	87	-	-
TPH-CWG - Aliphatic > EC35 - EC44	mg/kg	8.4	NONE	-	-	< 8.4	-	-
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.1	MCERTS	-	-	< 0.1	-	-
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.1	MCERTS	-	-	< 0.1	-	-
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.1	MCERTS	-	-	< 0.1	-	-
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	-	-	< 1.0	-	-
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	-	-	< 2.0	-	-
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	-	-	< 10	-	-
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	-	-	150	-	-
TPH-CWG - Aromatic > EC35 - EC44	mg/kg	8.4	NONE	-	-	59	-	-





Project / Site name: Geopost, Liverpool

Your Order No: N6082/C14493

Lab Sample Number	Sample Number						355761	355762
Sample Reference				TP05	TP07	TP08	TP09	TP11
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.80	1.80	0.30	0.70	0.40
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
	1	1						
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Stone Content	0/4	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Stone Content	%	0.1	NONE	< 0.1	< 0.1	12	< 0.1	< 0.1
Moisture Content	%	N/A	NONE	15	11	13	11	8.8
	ку	0.001	INUINE	0.51	0.57	Chrysotile- Loose	0.55	0.45
Asbestos in Soil Screen / Identification Name	Туре	N/A	ISO 17025	-	-	fibres	-	-
Asbestos in Soil	Туре	N/A	ISO 17025	-	Not-detected	Detected	Not-detected	Not-detected
	1	1	 1			No Achastas		
Asbestos Identification Name (Subcontracted)	Туре	N/A	ISO 17025	-	-	Detected	-	-
Asbestos Quantification (Subcontracted)	%	0.001	ISO 17025	-	-	<0.001	-	-
Conoral Inorganics								
	مناط الم	NI/A	MCEDIC	00	0 7	7.0	77	10.0
pn Successide	pH Units	IN/A	MCERTS	8.0	8.2	7.9	/./	10.0
Free Cyanide Total Sulphata as SO	mg/kg	100	NONE	- 620	< 1	< 1	< 1	< 1
Total Sulphate as 50_4	тту/ку 04	0.01	150 17025	0.063	-		-	-
	%	0.01	150 17025	0.003	-	-	-	-
Water Soluble Sulphate (Soli Equivalent)	g/l	0.0025	MCERTS	0.24	-	-	-	-
Water Soluble Sulphate as SO ₄ (2.1)	тту/ку "	2.5	MOERTS	240	-	-	-	-
water Soluble Sulphate (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.12	0.25	0.32	0.13	0.63
Water Soluble Sulphate (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	122	251	316	125	631
Water Soluble Chloride (2:1)	mg/kg	5	MCERTS	32	-	-	-	-
Water Soluble Chloride (2:1) (leachate equivalent)	mg/l	5	MCERTS	16	-	-	-	-
Total Sulphur	mg/kg	100	NONE	350	-	-	-	-
	%	0.01	NONE	0.035	-	-	-	-
Ammonium as NH (leachate aguivalant)	mg/kg	5	MCERTS	< 5.0	-	-	-	-
Ammonium as NH4 (leachate equivalent)	mg/i	5	MCERTS	< 5.0	-	-	-	-
Fraction Organic Carbon (FOC)	N/A	0.00001	NONE	-	0.00/4	0.012	0.010	0.0066
Water Soluble Nitrate (2:1) as N	mg/kg	2	NONE	-	-	-	-	-
Water Soluble Nitrate (2:1) as NO ₃	mg/kg	10	NONE	< 10	-	-	-	-
Water Soluble Nitrate (2.1) as NO ₃ (leachate equivalent	mg/kg	10	NONE	< 10	-	-	-	-
Total Phenois								
Total Phenols (monohydric)	mg/kg	2	MCERTS	-	< 2.0	< 2.0	< 2.0	< 2.0
Speciated PAHs		0.0-			c	c	c	0.70
Naphthalene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	0.58
Acenaphthylene	mg/kg	0.1	MCERTS	-	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	mg/kg	0.1	MCERTS	-	< 0.10	< 0.10	< 0.10	0.44
Fluorene	mg/kg	0.1	MCERTS	-	< 0.10	< 0.10	< 0.10	0.34
Phenanthrene	mg/kg	0.1	MCERTS	-	< 0.10	< 0.10	< 0.10	2.5
Anthracene	mg/kg	0.1	MCERTS	-	< 0.10	< 0.10	< 0.10	0.82
Fluoranthene	mg/kg	0.1	MCERTS	-	0.46	0.51	0.43	3.6
Pyrene	mg/kg	0.1	MCERTS	-	0.49	0.49	0.43	3.4
Benzo(a)anthracene	mg/kg	0.1	MCERTS	-	0.28	0.24	0.13	1.5
Chrysene	mg/kg	0.05	MCERTS	-	0.38	0.31	0.34	2.0
Benzo(D)fluorantnene	mg/kg	0.1	MCERTS	-	0.36	0.35	0.23	1./
Benzo(k)fluoranthene	mg/kg	0.1	MCERTS	-	0.19	0.18	0.12	1.0
Benzo(a)pyrene	mg/kg	0.1	MCERTS	-	0.3/	0.29	0.24	1.9
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	MCERTS	-	< 0.10	< 0.10	< 0.10	0.64
Dibenz(a,h)anthracene	mg/kg	0.1	MCERTS	-	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	0.88
Total DAL								
Speciated Total EDA-16 DAHa	mc/ka	1.6	MCEDTC		2 54	2 20	1 02	21 4

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Project / Site name: Geopost, Liverpool

Lab Sample Number	ab Sample Number					355760	355761	355762
Sample Reference				TP05	TP07	TP08	TP09	TP11
Sample Number				None Supplied				
Depth (m)				0.80	1.80	0.30	0.70	0.40
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating
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	-	14	22	17	12
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	-	0.5	0.7	0.6	0.4
Boron (water soluble)	mg/kg	0.2	MCERTS	-	0.8	0.8	< 0.2	1.6
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	-	1.0	1.9	0.3	0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	-	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (III)	mg/kg	1	NONE	-	27	26	23	18
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	-	27	26	23	18
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-	96	98	47	57
Lead (aqua regia extractable)	mg/kg	1	MCERTS	-	97	190	76	97
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	-	27	28	18	15
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	31	23	23
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	-	210	180	79	76
			-					
Magnesium (water soluble)	mg/kg	5	NONE	22	-	-	-	-
Magnesium (leachate equivalent)	mg/l	5	NONE	11	-	-	-	-





Project / Site name: Geopost, Liverpool

Your Order No: N6082/C14493

Lab Sample Number				355758	355759	355760	355761	355762
Sample Reference				TP05	TP07	TP08	TP09	TP11
Sample Number				None Supplied				
Depth (m)				0.80	1.80	0.30	0.70	0.40
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied			
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Monoaromatics								
Benzene	µg/kg	1	MCERTS	-	-	-	< 1.0	-
Toluene	µg/kg	1	MCERTS	-	-	-	< 1.0	-
Ethylbenzene	µg/kg	1	MCERTS	-	-	-	< 1.0	-
p & m-xylene	µg/kg	1	MCERTS	-	-	-	< 1.0	-
o-xylene	µg/kg	1	MCERTS	-	-	-	< 1.0	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	-	-	-	< 1.0	-

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.1	MCERTS	-	-	-	< 0.1	-
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.1	MCERTS	-	-	-	< 0.1	-
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.1	MCERTS	-	-	-	< 0.1	-
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	-	-	-	< 1.0	-
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	-	-	-	< 2.0	-
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	-	-	-	< 8.0	-
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	-	-	-	< 8.0	-
TPH-CWG - Aliphatic >EC16 - EC35	mg/kg	10	NONE	-	-	-	< 10	-
TPH-CWG - Aliphatic > EC35 - EC44	mg/kg	8.4	NONE	-	-	-	< 8.4	-
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.1	MCERTS	-	-	-	< 0.1	-
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.1	MCERTS	-	-	-	< 0.1	-
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.1	MCERTS	-	-	-	< 0.1	-
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	-	-	-	< 1.0	-
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	-	-	-	< 2.0	-
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	-	-	-	< 10	-
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	-	-	-	< 10	-
TPH-CWG - Aromatic > EC35 - EC44	mg/kg	8.4	NONE	-	-	-	< 8.4	-





Project / Site name: Geopost, Liverpool

Your Order No: N6082/C14493

Lab Sample Number	Sample Number						355766	355767
Sample Reference				TP12	TP12	TP13	TP15	TP16
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	1.00	0.40	0.30	0.90
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
	1	1	1					
Analytical Parameter (Soil Analysis)	Units	Limit of detection	ocreditati Status					
		_	S S					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	N/A	NONE	11	12	7.2	12	12
Total mass of sample received	kg	0.001	NONE	0.45	0.47	0.41	0.46	0.45
Asbestos in Soil Screen / Identification Name	Туре	N/A	ISO 17025	-	-	Chrysotile- Loose fibres	-	Chrysotile- Loose fibres
Asbestos in Soil	Type	N/A	ISO 17025	-	Not-detected	Detected	Not-detected	Detected
	71	,						
Asbestos Identification Name (Subcontracted)	Туре	N/A	ISO 17025	-	-	No Asbestos	-	No Asbestos
Asbestos Quantification (Subcontracted)	%	0.001	ISO 17025	-	-	<0.001	-	< 0.001
	. /0					-0.001	8	
General Inorganics								
pH	pH Units	N/A	MCERTS	7.9	10.1	7.6	7.9	7.8
Free Cvanide	ma/ka	1	NONE	-	< 1	< 1	< 1	< 1
Total Sulphate as SO ₄	mg/kg	100	ISO 17025	910	-	-	1100	-
Total Sulphate as SO ₄	%	0.01	ISO 17025	0.091	-	-	0.108	-
Water Soluble Sulphate (Soil Equivalent)	a/l	0.0025	MCERTS	0.22	-	-	0.43	-
Water Soluble Sulphate as SO ₄ (2:1)	mg/kg	2.5	MCERTS	220	-	-	430	-
Water Soluble Sulphate (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.11	0.76	0.10	0.22	0.29
Water Soluble Sulphate (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	111	761	103	215	286
Water Soluble Chloride (2:1)	mg/kg	5	MCERTS	38	-	-	43	-
Water Soluble Chloride (2:1) (leachate equivalent)	mg/l	5	MCERTS	19	-	-	21	-
Total Sulphur	mg/kg	100	NONE	570	-	-	980	-
Total Sulphur	%	0.01	NONE	0.057	-	-	0.098	-
Ammonium as NH ₄	mg/kg	5	MCERTS	< 5.0	-	-	6.5	-
Ammonium as NH ₄ (leachate equivalent)	mg/l	5	MCERTS	< 5.0	-	-	< 5.0	-
Fraction Organic Carbon (FOC)	N/A	0.00001	NONE	-	0.0098	0.020	0.017	0.0079
Water Soluble Nitrate (2:1) as N	mg/kg	2	NONE	-	-	-	-	-
Water Soluble Nitrate (2:1) as NO ₃	mg/kg	10	NONE	< 10	-	-	< 10	-
Water Soluble Nitrate (2:1) as NO ₃ (leachate equivalen	t mg/kg	10	NONE	< 10	-	-	< 10	-
Total Phenois								
Total Phenols (monohydric)	ma/ka	2	MCERTS	-	< 2.0	< 2.0	< 2.0	< 2.0
			HIGEITTO		. 210	. 2.0		
Speciated PAHs	1		1					
Naphthalene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.1	MCERTS	-	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	mg/kg	0.1	MCERTS	-	0.4/	< 0.10	< 0.10	< 0.10
Fluorene	mg/kg	0.1	MCERTS	-	0.32	< 0.10	< 0.10	< 0.10
Phenanthrene	mg/kg	0.1	MCERTS	-	2.6	1.2	1.3	0.57
Anthracene	mg/kg	0.1	MCERTS	-	0.83	0.27	0.33	0.15
Fluoranthene	mg/kg	0.1	MCERTS	-	3.1	2.1	2.3	0.76
Pyrene	mg/кg	0.1	MCERTS	-	3.0	2.2	2.2	0.74
Benzo(a)anthracene	mg/kg	0.1	MCERTS	-	1.3	1.1	0.78	0.29
CIII ysene Bonzo (b) fluoranthono	mg/kg	0.05	MCERTS	-	1.8	1.5	1./	0.58
Denzo(U)nuoranthana	mg/kg	0.1	MCEDITO	-	1.0	1./	1.4	0.44
	mg/kg	0.1	MCEDITO	-	0.80	0./6	0./6	0.20
	mg/kg	0.1	MCEDITO	-	1.5	1.3	1.3	0.45
	mg/kg	0.1	MCEDITO	-	0.00	0.00	0.59	< 0.10
Diveriz(d,II)dIIIIIIdUEIIE Benzo(dhi)nen/lene	mg/kg	0.1	MCEDIC	-	< 0.10	< 0.10 0.75	< 0.10 0 77	< 0.10
ренио(дні)регунске	піў/ку	0.05	PICERTS	-	0.00	0.75	0.77	< 0.05
Speciated Total EPA-16 PAHs	ma/kc	1.6	MCEDTC	_	18.0	13.5	13.5	4 18

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Project / Site name: Geopost, Liverpool

Lab Sample Number				355763	355764	355765	355766	355767
Sample Reference				TP12	TP12	TP13	TP15	TP16
Sample Number				None Supplied				
Depth (m)				0.30	1.00	0.40	0.30	0.90
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating
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	-	15	99	57	18
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	-	0.5	0.6	0.7	0.6
Boron (water soluble)	mg/kg	0.2	MCERTS	-	2.0	0.4	0.9	1.2
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	-	0.3	2.3	1.4	1.0
Chromium (hexavalent)	mg/kg	1.2	MCERTS	-	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (III)	mg/kg	1	NONE	-	22	97	61	26
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	-	22	97	61	26
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-	84	230	160	190
Lead (aqua regia extractable)	mg/kg	1	MCERTS	-	140	410	270	110
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	-	< 0.3	1.0	0.6	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	-	20	34	25	25
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	-	25	36	27	27
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	-	130	220	170	150
.		_	I 1					
Magnesium (water soluble)	mg/kg	5	NONE	16	-	-	22	-
Magnesium (leachate equivalent)	mg/l	5	NONE	8.0	-	-	11	-





Project / Site name: Geopost, Liverpool

Your Order No: N6082/C14493

Lab Sample Number				355763	355764	355765	355766	355767
Sample Reference				TP12	TP12	TP13	TP15	TP16
Sample Number				None Supplied				
Depth (m)	Depth (m)				1.00	0.40	0.30	0.90
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating
Time Taken				None Supplied				
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Monoaromatics								
Benzene	µg/kg	1	MCERTS	-	-	-	-	-
Toluene	µg/kg	1	MCERTS	-	-	-	-	-
Ethylbenzene	µg/kg	1	MCERTS	-	-	-	-	-
p & m-xylene	µg/kg	1	MCERTS	-	-	-	-	-
o-xylene	µg/kg	1	MCERTS	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	-	-	-	-	-

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.1	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.1	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.1	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic >EC16 - EC35	mg/kg	10	NONE	-	-	-	-	-
TPH-CWG - Aliphatic > EC35 - EC44	mg/kg	8.4	NONE	-	-	-	-	-
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.1	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.1	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.1	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic > EC35 - EC44	mg/kg	8.4	NONE	-	-	-	-	-





Project / Site name: Geopost, Liverpool

Lab Sample Number	Sample Number					355770	355771	355772
Sample Reference				TP17	TP19	TP20	TP21	TP21
Sample Number				None Supplied				
Depth (m)				1.40	1.10	0.30	0.30	1.50
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating
Time Taken				None Supplied				
	I			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	%	N/A	NONE	8.2	11	11	10	11
Total mass of sample received	kg	0.001	NONE	0.49	0.45	0.49	0.46	0.33
Asbestos in Soil Screen / Identification Name	Туре	N/A	ISO 17025	-	-	-	-	Chrysotile- Loose
Asbestos in Soil	Туре	N/A	ISO 17025	-	Not-detected	Not-detected	-	Detected
	-						1	
Asbestos Identification Name (Subcontracted)	Туре	N/A	ISO 17025	-	-	-	-	No Asbestos Detected
Asbestos Quantification (Subcontracted)	%	0.001	ISO 17025	-	-	-	-	< 0.001
								-
General Inorganics								
pH	pH Units	N/A	MCERTS	-	8.6	8.2	8.2	8.8
Free Cvanide	ma/ka	1	NONE	-	< 1	< 1	-	< 1
Total Sulphate as SO₄	mg/kg	100	ISO 17025	-	-	-	1800	-
Total Sulphate as SO₄	%	0.01	ISO 17025	-	-	-	-	-
Water Soluble Sulphate (Soil Equivalent)	a/l	0.0025	MCERTS	_	-	_	0.76	
Water Soluble Sulphate as SO ₄ (2:1)	ma/ka	2.5	MCERTS	-	-	-	-	-
Water Soluble Sulphate (2:1 Leachate Equivalent)	g/kg	0.00125	MCEDTS		0.26	0.10	0.38	0.58
Water Soluble Sulphate (2:1 Leachate Equivalent)	9/1	1 25	MCEDIC	-	0.20	102	0.30	0.30
Water Soluble Sulphate (2:1 Leachate Equivalent)	mg/i	1.25	MCERTS	-	250	103	-	5//
Water Soluble Chloride (2:1)	mg/кg	5	MCERTS	-	-	-	/5	-
water Soluble Chloride (2:1) (leachate equivalent)	mg/l	5	MCERTS	-	-	-	-	-
	mg/kg	100	NONE	-	-	-	1300	-
Total Sulphur	%	0.01	NONE	-	-	-	-	-
Ammonium as NH ₄	mg/kg	5	MCERTS	-	-	-	< 5.0	-
Ammonium as NH ₄ (leachate equivalent)	mg/l	5	MCERTS	-	-	-	-	-
Fraction Organic Carbon (FOC)	N/A	0.00001	NONE	-	0.0076	0.015	-	0.010
Water Soluble Nitrate (2:1) as N	mg/kg	2	NONE	-	-	-	2.1	-
Water Soluble Nitrate (2:1) as NO_3	mg/kg	10	NONE	-	-	-	-	-
Water Soluble Nitrate (2:1) as NO_3 (leachate equivalent	mg/kg	10	NONE	-	-	-	-	-
Total Phenols								
Total Phenols (monohydric)	ma/ka	2	MCERTS	-	< 20	< 20	-	< 2.0
Total Frichols (monorlyane)	mg/ kg		PICERTS		< 2.0	< 2.0		< 2.0
Speciated PAHs								
Naphthalene	ma/ka	0.05	MCERTS	-	< 0.05	< 0.05	-	0.31
Acenaphthylene	ma/ka	0.1	MCERTS	-	< 0.10	< 0.10	-	< 0.10
Acenaphthene	ma/ka	0.1	MCERTS	-	< 0.10	< 0.10	-	0.32
Fluorene	ma/ka	0.1	MCERTS	_	< 0.10	< 0.10	-	0.32
Phenanthrene	ma/ka	0.1	MCERTS	_	1 2	0.10		1.8
Anthracana	mg/kg	0.1	MCERTS	_	0.40	0.05	_	0.42
Eluoranthono	mg/kg	0.1	MCEDTC	-	0.40	1.5		20.43
Durana	mg/kg	0.1	MCERTS	-	2.5	1.5	-	2.0
Pyrene	mg/kg	0.1	MCERTS	-	2.1	1.5	-	2.0
	mg/Kg	0.1	MCEDITO	-	1.0	0.50		1.2
CIII yselie Donzo(h)fluoronthono	mg/Kg	0.05	MCEDITO	-	1.5	1.3		1.0
	mg/kg	0.1	MCERTS	-	1.2	1.0		1.5
Benzo(k)fluorantnene	mg/kg	0.1	MCERTS	-	0.70	0.63	-	0.83
Benzo(a)pyrene	mg/kg	0.1	MCERTS	-	1.2	1.0	-	1.4
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	MCERTS	-	0.53	0.43	-	0.64
Dibenz(a,h)anthracene	mg/kg	0.1	MCERTS	-	< 0.10	< 0.10	-	< 0.10
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	0.63	0.65	-	0.83
Total PAH	1	. .					1	
Speciated Total EPA-16 PAHs	ma/ka	16	MCERTS	-	12.8	9.64	-	16.7





Project / Site name: Geopost, Liverpool

Lab Sample Number				355768	355769	355770	355771	355772
Sample Reference				TP17	TP19	TP20	TP21	TP21
Sample Number				None Supplied				
Depth (m)				1.40	1.10	0.30	0.30	1.50
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating
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	-	28	74	-	20
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	-	0.7	1.5	-	0.6
Boron (water soluble)	mg/kg	0.2	MCERTS	-	1.3	0.4	-	1.3
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	-	0.9	1.5	-	0.3
Chromium (hexavalent)	mg/kg	1.2	MCERTS	-	< 1.2	< 1.2	-	< 1.2
Chromium (III)	mg/kg	1	NONE	-	32	65	-	21
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	-	32	65	-	21
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-	97	220	-	49
Lead (aqua regia extractable)	mg/kg	1	MCERTS	-	120	300	-	100
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	-	< 0.3	0.7	-	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	-	28	40	-	27
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	-	< 1.0	< 1.0	-	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	-	30	38	-	24
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	-	130	240	-	87
Magnesium (water soluble)	mg/kg	5	NONE	-	-	-	-	-
Magnesium (leachate equivalent)	mg/l	5	NONE	-	-	-	-	-





Project / Site name: Geopost, Liverpool

Your Order No: N6082/C14493

Lab Sample Number				355768	355769	355770	355771	355772
Sample Reference				TP17	TP19	TP20	TP21	TP21
Sample Number				None Supplied				
Depth (m)	Depth (m)				1.10	0.30	0.30	1.50
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating
Time Taken				None Supplied				
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Monoaromatics								
Benzene	µg/kg	1	MCERTS	< 1.0	-	-	-	-
Toluene	µg/kg	1	MCERTS	< 1.0	-	-	-	-
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	-	-	-	-
p & m-xylene	µg/kg	1	MCERTS	< 1.0	-	-	-	-
o-xylene	µg/kg	1	MCERTS	< 1.0	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	-	-	-	-

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.1	MCERTS	< 0.1	-	-	-	-
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.1	MCERTS	< 0.1	-	-	-	-
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.1	MCERTS	< 0.1	-	-	-	-
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	-	-	-	-
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	-	-	-	-
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0	-	-	-	-
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	21	-	-	-	-
TPH-CWG - Aliphatic >EC16 - EC35	mg/kg	10	NONE	21	-	-	-	-
TPH-CWG - Aliphatic > EC35 - EC44	mg/kg	8.4	NONE	< 8.4	-	-	-	-
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.1	MCERTS	< 0.1	-	-	-	-
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.1	MCERTS	< 0.1	-	-	-	-
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.1	MCERTS	< 0.1	-	-	-	-
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	-	-	-	-
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	-	-	-	-
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10	-	-	-	-
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	12	-	-	-	-
TPH-CWG - Aromatic > EC35 - EC44	mg/kg	8.4	NONE	< 8.4	-	-	-	-





Project / Site name: Geopost, Liverpool

Lab Sample Number		355773	355774	355775	355776	355777		
Sample Reference				TP22	TP22	TP23	TP23	TP24
Sample Number				None Supplied				
Depth (m)				0.10	0.90	0.40	1.50	0.30
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating
Time Taken				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	%	N/A	NONE	9.4	12	7.9	11	13
Total mass of sample received	ka	0.001	NONE	0.41	0.46	0.47	0.45	0.41
Asbestos in Soil Screen / Identification Name	Туре	N/A	ISO 17025	-	-	-	-	-
Asbestos in Soil	Туре	N/A	ISO 17025	Not-detected	-	-	Not-detected	Not-detected
Asbestos Identification Name (Subcontracted)	Туре	N/A	ISO 17025	-	-	-	-	-
Ashestos Quantification (Subcontracted)	0/6	0.001	ISO 17025	_	-	_	_	_
Aspestos Quantineation (Subcontracted)	70	0.001	130 17025	_	-	_	-	_
General Inorganics								
nH	nH Units	N/A	MCERTS	8.1	-	8.0	7.8	7.5
Free Cvanide	ma/ka	1	NONE	< 1	-	-	< 1	< 1
Total Sulphate as SO₄	ma/ka	100	ISO 17025	-	-	530	-	-
Total Sulphate as SO₄	%	0.01	ISO 17025	-	-	0.053	-	-
Water Soluble Sulphate (Soil Equivalent)	a/l	0.0025	MCEDIC	_	_	0.15	_	_
Water Soluble Sulphate as SO ₄ (2:1)	g/i ma/ka	2.5	MCERTS	-	-	150	-	-
Water Soluble Sulphate (2:1 Loschate Equivalent)	nig/kg	0.00125	MCEDITC	0.12	_	0.072	0.41	0.10
Water Soluble Sulphate (2:1 Leachate Equivalent)	g/i	1.25	MCERTS	0.15	-	0.073	0.41	0.19
Water Soluble Sulphate (2:1 Leachate Equivalent)	mg/i	1.25	MCERTS	134	-	/3.2	412	194
water Soluble Chloride (2:1)	mg/kg	5	MCERTS	-	-	48	-	-
Water Soluble Chloride (2:1) (leachate equivalent)	mg/l	5	MCERTS	-	-	24	-	-
	mg/kg	100	NONE	-	-	430	-	-
	%	0.01	NONE	-	-	0.043	-	-
Ammonium as NH ₄	mg/kg	5	MCERTS	-	-	15	-	-
Ammonium as NH ₄ (leachate equivalent)	mg/I	5	MCERTS	-	-	7.5	-	-
Fraction Organic Carbon (FOC)	N/A	0.00001	NONE	0.024	-	-	0.016	0.019
Water Soluble Nitrate (2:1) as N	mg/kg	2	NONE	-	-	-	-	-
Water Soluble Nitrate (2:1) as NO_3	mg/kg	10	NONE	-	-	< 10	-	-
Water Soluble Nitrate (2:1) as NO_3 (leachate equivalent	mg/kg	10	NONE	-	-	< 10	-	-
Total Phenols								
Total Phenols (monohydric)	mg/kg	2	MCERTS	< 2.0	-	-	< 2.0	< 2.0
Speciated PAHs								
Naphthalene	ma/ka	0.05	MCERTS	< 0.05	-	-	0.54	< 0.05
Acenaphthylene	mg/kg	0.1	MCERTS	< 0.10	-	-	< 0.10	< 0.10
Acenaphthene	ma/ka	0.1	MCERTS	< 0.10	-	-	2.0	0.64
Fluorene	ma/ka	0.1	MCERTS	< 0.10	-	-	1.8	0.43
Phenanthrene	ma/ka	0.1	MCERTS	1.3	-	-	15	4.2
Anthracene	ma/ka	0.1	MCERTS	0.26	-	-	3.6	0.99
Fluoranthene	ma/ka	0.1	MCERTS	2.2	-	-	20	7.2
Pyrene	ma/ka	0.1	MCERTS	2.2	-	-	18	6.7
Benzo(a)anthracene	ma/ka	0.1	MCERTS	0.89	-	-	9.1	2.7
Chrysene	ma/ka	0.05	MCERTS	1.8	-	-	10	4.7
Benzo(b)fluoranthene	ma/ka	0.1	MCERTS	1.8	-	-	11	4.7
Benzo(k)fluoranthene	ma/ka	0.1	MCERTS	0.85	-	-	5.0	1.9
Benzo(a)pyrene	ma/ka	0.1	MCERTS	1.5	-	-	10	3.8
Indeno(1.2.3-cd)pyrene	ma/ka	0.1	MCERTS	0.70	-	-	4.3	1.5
Dibenz(a,h)anthracene	ma/ka	0.1	MCERTS	< 0.10	-	-	0.97	< 0.10
Benzo(ghi)pervlene	ma/ka	0.05	MCERTS	0.92	-	-	5.4	2.3
				0.92				
Total PAH								
Speciated Total EPA-16 PAHs	mg/ka	1.6	MCERTS	14.5	-	-	116	41.7





Project / Site name: Geopost, Liverpool

Lab Sample Number				355773	355774	355775	355776	355777
Sample Reference				TP22	TP22	TP23	TP23	TP24
Sample Number				None Supplied				
Depth (m)				0.10	0.90	0.40	1.50	0.30
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating
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	120	-	-	49	87
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.8	-	-	1.0	1.3
Boron (water soluble)	mg/kg	0.2	MCERTS	0.3	-	-	0.9	1.4
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	2.7	-	-	0.5	2.6
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	-	-	< 1.2	< 1.2
Chromium (III)	mg/kg	1	NONE	94	-	-	77	98
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	95	-	-	77	98
Copper (aqua regia extractable)	mg/kg	1	MCERTS	270	-	-	180	260
Lead (aqua regia extractable)	mg/kg	1	MCERTS	480	-	-	440	500
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	1.2	-	-	1.1	1.1
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	25	-	-	77	36
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	-	-	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	26	-	-	35	35
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	250	-	-	310	340
Magnesium (water soluble)	mg/kg	5	NONE	-	-	11	-	-
Magnesium (leachate equivalent)	mg/l	5	NONE	-	-	5.5	-	-





Project / Site name: Geopost, Liverpool

Your Order No: N6082/C14493

Lab Sample Number				355773	355774	355775	355776	355777
Sample Reference				TP22	TP22	TP23	TP23	TP24
Sample Number				None Supplied				
Depth (m)				0.10	0.90	0.40	1.50	0.30
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating
Time Taken				None Supplied				
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Monoaromatics								
Benzene	µg/kg	1	MCERTS	-	< 1.0	-	-	-
Toluene	µg/kg	1	MCERTS	-	< 1.0	-	-	-
Ethylbenzene	µg/kg	1	MCERTS	-	< 1.0	-	-	-
p & m-xylene	µg/kg	1	MCERTS	-	< 1.0	-	-	-
o-xylene	µg/kg	1	MCERTS	-	< 1.0	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	-	< 1.0	-	-	-

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.1	MCERTS	-	< 0.1	-	-	-
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.1	MCERTS	-	< 0.1	-	-	-
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.1	MCERTS	-	< 0.1	-	-	-
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	-	< 1.0	-	-	-
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	-	< 2.0	-	-	-
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	-	11	-	-	-
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	-	56	-	-	-
TPH-CWG - Aliphatic >EC16 - EC35	mg/kg	10	NONE	-	67	-	-	-
TPH-CWG - Aliphatic > EC35 - EC44	mg/kg	8.4	NONE	-	< 8.4	-	-	-
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.1	MCERTS	-	< 0.1	-	-	-
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.1	MCERTS	-	< 0.1	-	-	-
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.1	MCERTS	-	< 0.1	-	-	-
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	-	< 1.0	-	-	-
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	-	4.2	-	-	-
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	-	30	-	-	-
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	-	58	-	-	-
TPH-CWG - Aromatic > EC35 - EC44	mg/kg	8.4	NONE	-	< 8.4	-	-	-





Project / Site name: Geopost, Liverpool

Lab Sample Number				355778	355779	355780	355781	355782
Sample Reference				TP25	TP26	WS01	WS02	WS05
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	1.40	1.50	2.60	2.40
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Stone Content	0/6	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	06	N/A	NONE	81	10	13	7.0	8.8
Total mass of sample received	%0	N/A	NONE	0.1	10	15	7.9	0.0
	кy	0.001	NONE	0.45	Chrysotile- Loose	0.03	0.40	1.1
Asbestos in Soil Screen / Identification Name	Туре	N/A	ISO 17025	-	fibres	-	-	-
Asbestos in Soil	Туре	N/A	ISO 17025	Not-detected	Detected	-	-	-
	1	1						
Asbestos Identification Name (Subcontracted)	Туре	N/A	ISO 17025	-	No Asbestos Detected	-	-	-
Asbestos Quantification (Subcontracted)	%	0.001	ISO 17025	-	<0.001	-	-	-
Convert Inconverting								
		N1/A		7 7	7 7	0.0	0.0	0.5
pn Free Cremide	pH Units	N/A	MCERTS	1./	/./	8.9	ბ.ხ	<u>४.</u> 5
Free Cyanide	mg/kg	1	NONE	< 1	< 1	-	-	-
	ттg/кg	100	150 17025	-	-	410	< 100	< 100
	%	0.01	150 17025	-	-	0.041	< 0.010	< 0.010
Water Soluble Sulphate (Soil Equivalent)	g/l	0.0025	MCERTS	-	-	0.39	0.060	0.033
water Soluble Sulphate as SO ₄ (2:1)	mg/кg	2.5	MCERTS	-	-	390	60	33
Water Soluble Sulphate (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.057	0.31	0.20	0.030	0.01/
Water Soluble Sulphate (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	57.1	306	197	29.9	16.5
Water Soluble Chloride (2:1)	mg/kg	5	MCERTS	-	-	50	50	84
Water Soluble Chloride (2:1) (leachate equivalent)	mg/l	5	MCERTS	-	-	25	25	42
Total Sulphur	mg/kg	100	NONE	-	-	510	< 100	< 100
Total Sulphur	%	0.01	NONE	-	-	0.051	< 0.010	< 0.010
Ammonium as NH ₄	mg/kg	5	MCERTS	-	-	15	< 5.0	< 5.0
Ammonium as NH ₄ (leachate equivalent)	mg/l	5	MCERTS	-	-	7.6	< 5.0	< 5.0
Fraction Organic Carbon (FOC)	N/A	0.00001	NONE	0.017	0.019	-	-	-
Water Soluble Nitrate (2:1) as N	mg/kg	2	NONE	-	-	-	-	-
Water Soluble Nitrate (2:1) as NO_3	mg/kg	10	NONE	-	-	< 10	< 10	< 10
Water Soluble Nitrate (2:1) as NO ₃ (leachate equivalent	t mg/kg	10	NONE	-	-	< 10	< 10	< 10
Total Phenols								
Total Phenols (monobydric)	ma/ka	2	MCERTS	< 2.0	< 2.0	-	_	_
	IIIg/ Kg	2	PICERTS	< 2.0	< 2.0	-		
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	0.68	-	-	-
Acenaphthylene	mg/kg	0.1	MCERTS	< 0.10	< 0.10	-	-	-
Acenaphthene	mg/kg	0.1	MCERTS	< 0.10	2.5	-	-	-
Fluorene	mg/kg	0.1	MCERTS	< 0.10	1.8	-	-	-
Phenanthrene	mg/kg	0.1	MCERTS	0.96	16	-	-	-
Anthracene	mg/kg	0.1	MCERTS	0.24	4.0	-	-	-
Fluoranthene	mg/kg	0.1	MCERTS	1.6	22	-	-	_
Pyrene	mg/kg	0.1	MCERTS	1.5	20	-	-	-
Benzo(a)anthracene	mg/kg	0.1	MCERTS	0.74	10	-	-	-
Chrysene	mg/kg	0.05	MCERTS	0.98	11	-	-	-
Benzo(b)fluoranthene	mg/kg	0.1	MCERTS	1.0	13	-	-	-
Benzo(k)fluoranthene	ma/ka	0.1	MCERTS	0.56	4.9	-	-	-
Benzo(a)pyrene	ma/ka	0.1	MCERTS	1.0	12	-	-	-
Indeno(1,2,3-cd)pyrene	ma/ka	0.1	MCERTS	0.45	4.6	-	-	-
Dibenz(a,h)anthracene	ma/ka	0.1	MCERTS	< 0.10	1.2	-	-	_
Benzo(ghi)pervlene	ma/ka	0.05	MCERTS	0.56	6.4	-	-	-
Total PAH								
Speciated Total EPA-16 PAHs	ma/ka	1.6	MCERTS	9.64	131	-	-	-





Project / Site name: Geopost, Liverpool

Lab Sample Number				355778	355779	355780	355781	355782
Sample Reference				TP25	TP26	WS01	WS02	WS05
Sample Number				None Supplied				
Depth (m)		0.30	1.40	1.50	2.60	2.40		
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating
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	43	54	-	-	-
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.6	0.7	-	-	-
Boron (water soluble)	mg/kg	0.2	MCERTS	0.3	0.9	-	-	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	1.2	0.7	-	-	-
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	-	-	-
Chromium (III)	mg/kg	1	NONE	52	75	-	-	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	52	75	-	-	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	140	240	-	-	-
Lead (aqua regia extractable)	mg/kg	1	MCERTS	290	460	-	-	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	0.7	1.1	-	-	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	22	33	-	-	-
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	-	-	-
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	25	29	-	-	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	150	290	-	-	-
			-					
Magnesium (water soluble)	mg/kg	5	NONE	-	-	< 5.0	8.5	8.2
Magnesium (leachate equivalent)	mg/l	5	NONE	-	-	< 5.0	< 5.0	< 5.0





Project / Site name: Geopost, Liverpool

Your Order No: N6082/C14493

Lab Sample Number				355778	355779	355780	355781	355782
Sample Reference		TP25	TP26	WS01	WS02	WS05		
Sample Number				None Supplied				
Depth (m)				0.30	1.40	1.50	2.60	2.40
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating
Time Taken				None Supplied				
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Monoaromatics								
Benzene	µg/kg	1	MCERTS	-	-	-	-	-
Toluene	µg/kg	1	MCERTS	-	-	-	-	-
Ethylbenzene	µg/kg	1	MCERTS	-	-	-	-	-
p & m-xylene	µg/kg	1	MCERTS	-	-	-	-	-
o-xylene	µg/kg	1	MCERTS	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	-	-	-	-	-

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.1	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.1	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.1	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic >EC16 - EC35	mg/kg	10	NONE	-	-	-	-	-
TPH-CWG - Aliphatic > EC35 - EC44	mg/kg	8.4	NONE	-	-	-	-	-
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.1	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.1	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.1	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic > EC35 - EC44	mg/kg	8.4	NONE	-	-	-	-	-





Project / Site name: Geopost, Liverpool

Lab Sample Number			355783			
Sample Reference				WS06		
Sample Number				None Supplied		
Depth (m)				1.50		
Date Sampled				Deviating		
Time Taken				None Supplied		
			Þ			
Analytical Parameter (Soil Analysis)	Units	Limit of detection	ccreditation Status			
Stone Content	0/2	0.1	NONE	< 0.1		
Moisture Content	70	N/A	NONE	12		
Total mass of sample received	70 kg	0.001	NONE	0.05		
	ку	0.001	NONE	0.95		
Asbestos in Soil Screen / Identification Name	Туре	N/A	ISO 17025	-		
Asbestos in Soil	Туре	N/A	ISO 17025	-		
Asbestos Identification Name (Subcontracted)	Туре	N/A	ISO 17025	-		
Asbestos Quantification (Subcontracted)	%	0.001	ISO 17025	-		
General Inorganics			-			
pН	pH Units	N/A	MCERTS	8.0		
Free Cyanide	mg/kg	1	NONE	-		
Total Sulphate as SO ₄	mg/kg	100	ISO 17025	260		
Total Sulphate as SO ₄	%	0.01	ISO 17025	0.026		
Water Soluble Sulphate (Soil Equivalent)	g/l	0.0025	MCERTS	0.17		
Water Soluble Sulphate as SO ₄ (2:1)	mg/kg	2.5	MCERTS	170		
Water Soluble Sulphate (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.085		
Water Soluble Sulphate (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	85.4		
Water Soluble Chloride (2:1)	mg/kg	5	MCERTS	58		
Water Soluble Chloride (2:1) (leachate equivalent)	mg/l	5	MCERTS	29		
Total Sulphur	mg/kg	100	NONE	300		
Total Sulphur	%	0.01	NONE	0.030		
Ammonium as NH ₄	mg/kg	5	MCERTS	10		
Ammonium as NH ₄ (leachate equivalent)	mg/l	5	MCERTS	5.1		
Fraction Organic Carbon (FOC)	N/A	0.00001	NONE	-		
Water Soluble Nitrate (2:1) as N	ma/ka	2	NONE	-		
Water Soluble Nitrate $(2:1)$ as NO ₃	mg/kg	10	NONE	< 10		
Water Soluble Nitrate (2:1) as NO ₃ (leachate equivalent	mg/kg	10	NONE	< 10		
Total Disease						
Total Phenois		2	MORDER			r
Total Phenois (monohydric)	mg/kg	2	MCERTS	-		
Speciated BAHC						
Specialeu PARS		0.05	MOEDTO			
Naphthalene	mg/kg	0.05	MCERTS	-		
Acenaphthylene	mg/kg	0.1	MCERTS	-		
	mg/kg	0.1	MCEDIC	-		
Fluorene	mg/kg	0.1	MCERTS	-		
Prieriantrirene	mg/kg	0.1	MCERTS	-		
Anthracene	mg/kg	0.1	MCERTS	-		
Fluoranthene	mg/kg	0.1	MCERTS	-		
Pyrelle	mg/kg	0.1	MCERTS	-		
Denzo(a)anunracene	mg/kg	0.0	MCERTS	-		1
Chrysene	mg/kg	0.05	MCEDITC	-		
Denzo(D)HUOIdHUHEHE	mg/kg	0.1	MCEDIC	-	 	1
	mg/kg	0.1	MCERTS	-	 	1
	mg/kg	0.1	MCERTS	-	 	 l
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	MCERTS	-	 	 l
	mg/kg	0.1	MCERTS	-		
Benzo(ghi)peryiene	mg/kg	0.05	MCERTS	-		1
Total DAL						
Speciated Total EDA_16 DAHs	ma/kc	16	MCEDTC			1





Project / Site name: Geopost, Liverpool

Lab Sample Number				355783		
Sample Reference				WS06		
Sample Number				None Supplied		
Depth (m)				1.50		
Date Sampled				Deviating		
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	-		
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	-		
Boron (water soluble)	mg/kg	0.2	MCERTS	-		
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	-		
Chromium (hexavalent)	mg/kg	1.2	MCERTS	-		
Chromium (III)	mg/kg	1	NONE	-		
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	-		
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-		
Lead (aqua regia extractable)	mg/kg	1	MCERTS	-		
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	-		
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	-		
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	-		
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	-		
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	-		
Magnesium (water soluble)	mg/kg	5	NONE	16		
Magnesium (leachate equivalent)	mg/l	5	NONE	7.9		





Project / Site name: Geopost, Liverpool

Your Order No: N6082/C14493

Lab Sample Number	Lab Sample Number						
Sample Reference				WS06			
Sample Number				None Supplied			
Depth (m)				1.50			
Date Sampled				Deviating			
Time Taken				None Supplied			
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status				
Monoaromatics							
Benzene	µg/kg	1	MCERTS	-			
Toluene	µg/kg	1	MCERTS	-			
Ethylbenzene	µg/kg	1	MCERTS	-			
p & m-xylene	µg/kg	1	MCERTS	-			
o-xylene	µg/kg	1	MCERTS	-			
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	-			

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.1	MCERTS	-		
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.1	MCERTS	-		
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.1	MCERTS	-		
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	-		
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	-		
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	-		
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	-		
TPH-CWG - Aliphatic >EC16 - EC35	mg/kg	10	NONE	-		
TPH-CWG - Aliphatic > EC35 - EC44	mg/kg	8.4	NONE	-		
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.1	MCERTS	-		
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.1	MCERTS	-		
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.1	MCERTS	-		
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	-		
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	-		
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	-		
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	-		
TPH-CWG - Aromatic > EC35 - EC44	mg/kg	8.4	NONE	-		





Project / Site name: Geopost, Liverpool

* 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 topsoil/loam soil types. Data for unaccredited types of solid should be interpreted with care.

of a sample is calculated as the % weight of the stones not passing a 2 mm sieve. Results are not corrected for stone content.

Stone content

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
355753	TP01	None Supplied	0.20	Brown topsoil and sand with gravel and vegetation.
355754	TP02	None Supplied	0.40	Brown topsoil and sand with gravel and vegetation.
355755	TP02	None Supplied	1.50	Brown clay and sand with gravel.
355756	TP03	None Supplied	0.30	Brown clay and sand with gravel and stones.
355757	TP05	None Supplied	0.40	Light brown clay and sand with gravel.
355758	TP05	None Supplied	0.80	Light brown clay and sand with gravel.
355759	TP07	None Supplied	1.80	Brown topsoil and sand with gravel and vegetation.
355760	TP08	None Supplied	0.30	Brown clay and sand with gravel.
355761	TP09	None Supplied	0.70	Brown topsoil and sand with gravel.
355762	TP11	None Supplied	0.40	Brown topsoil and sand with gravel.
355763	TP12	None Supplied	0.30	Brown sandy topsoil with gravel and vegetation.
355764	TP12	None Supplied	1.00	Light brown sandy topsoil with gravel and vegetation.
355765	TP13	None Supplied	0.40	Light brown topsoil and sand with gravel and glass.
355766	TP15	None Supplied	0.30	Brown topsoil and clay with gravel and vegetation.
355767	TP16	None Supplied	0.90	Brown clay and topsoil with gravel.
355768	TP17	None Supplied	1.40	Brown clay and sand with gravel.
355769	TP19	None Supplied	1.10	Light brown clay and sand with gravel.
355770	TP20	None Supplied	0.30	Light brown topsoil and clay with gravel and vegetation.
355771	TP21	None Supplied	0.30	Light brown topsoil and clay with gravel.
355772	TP21	None Supplied	1.50	Brown clay and topsoil with gravel and vegetation.
355773	TP22	None Supplied	0.10	Light brown sandy topsoil with gravel and vegetation.
355774	TP22	None Supplied	0.90	Light brown clay and sand with gravel.
355775	TP23	None Supplied	0.40	Light brown topsoil and sand with gravel.
355776	TP23	None Supplied	1.50	Brown clay and sand with gravel.
355777	TP24	None Supplied	0.30	Brown clay and topsoil with gravel.
355778	TP25	None Supplied	0.30	Light brown sandy topsoil with gravel and vegetation.
355779	TP26	None Supplied	1.40	Brown topsoil and clay with gravel and vegetation.
355780	WS01	None Supplied	1.50	Brown clay and sand with gravel and vegetation.
355781	WS02	None Supplied	2.60	Brown clay and sand with gravel.
355782	WS05	None Supplied	2.40	Brown clay and sand with gravel.
355783	WS06	None Supplied	1 50	light brown clay and sand with gravel





Project / Site name: Geopost, Liverpool

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	
Ammonium as NH4 in soil	Determination of Ammonium/Ammonia/Ammoniacal Nitrogen by the colorimetric salicylate/nitroprusside method.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082-PL	W	MCERTS	
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	
Asbestos quantification/ID Subcontracted analysis	Subcontracted analysis	Subcontracted analysis		D	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	
BTEX and MTBE in soil	Determination of BTEX in soil by headspace GC- MS.	In-house method based on USEPA8260	L073S-PL	W	MCERTS	
Chloride, water soluble, in soil	Determination of chloride by titration using silver nitrate.	In-house method based on BS1377 Part 3, 1990, Chemical and Electrochemical Tests	L075-PL	D	MCERTS	
Chloride, water soluble, in soil	, Chemical and Electrochemical Tests""	In-house method based on BS1377 Part 3, 1990	L075-PL		MCERTS	
Cr (III) in soil	In-house method by calculation from total Cr and Cr VI.	In-house method by calculation	L080-PL	D	NONE	
Fraction of Organic Carbon in soil	Determination of fraction of organic carbon in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate.	In-house method based on BS1377 Part 3, 1990, Chemical and Electrochemical Tests	L023-PL	D	NONE	
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	NONE	
Hexavalent chromium in soil (Lower Level)	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	D	MCERTS	
Magnesium, water soluble, in soil	Determination of water soluble magnesium by extraction with water followed by ICP-OES.	In-house method based on TRL 447	L038-PL	D	NONE	
Magnesium, water soluble, in soil		In-house method based on TRL 447	L038-PL		NONE	
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	
Moisture Content	Moisture content, determined gravimetrically.	In-house method based on BS1377 Part 3, 1990, Chemical and Electrochemical Tests	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	
Nitrate, water soluble, in soil	Determination of nitrate in soil by extraction in water followed by reaction with sodium salicilate in the presence of sulphuric acid. The reaction product is nitrosalicylic acid, which forms a vellow	In-house method based on Polish Standard Method PN-82/C-04579.08.	L078-PL	D	NONE	





Project / Site name: Geopost, Liverpool

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
Nitrate, water soluble, in soil (leachate equivale	hod PN-82/C-04579.08.	In-house method based on Polish Standard Met	L077-PL		NONE
pH in soil	Determination of pH in soil by addition of water followed by electrometric measurement.	In-house method based on BS1377 Part 3, 1990, Chemical and Electrochemical Tests	L005-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
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Stones not passing through a 10 mm sieve is determined gravimetrically and reported as a percentage of the dry weight.	In-house method based on British Standard Methods and MCERTS requirements.	L019-UK/PL	D	NONE
Sulphate, water soluble, in soil	Determination of water soluble sulphate by extraction with water followed by ICP-OES. Results reported corrected for extraction ratio (soil equivalent) as g/l and mg/kg; and upon the 2:1	In-house method based on BS1377 Part 3, 1990, Chemical and Electrochemical Tests	L038-PL	D	MCERTS
Total sulphate (as SO4 in soil)	Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES.	In-house method based on BS1377 Part 3, 1990, Chemical and Electrochemical Tests	L038-PL	D	ISO 17025
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 based on BS1377 Part 3, 1990, and MEWAM 2006 Methods for the Determination of Metals in Soil	L038-PL	D	NONE
TPHCWG (Soil)	Determination of pentane extractable hydrocarbons in soil by GC-MS/GC-FID.	In-house method	L076-PL	W	MCERTS

Asbestos Methodology

Samples analysed by the in-house method were screened using approximately 100 g of soil sample. Quantification is performed on the whole sample.

Please note that on occasions where asbestos is found in the in-house method, the fibres are removed and isolated on the microscope slide; and therefore are not sent for quantification. In these instances there may be occasions where the quantification will be reported as negative (i.e the asbestos present has been isolated on the slide). This may also occur where more than one asbestos fibre type is identified in-house; and the quantification does not find all types previously identified (in-house method).

It is also possible that the in house method does not find any asbestos in the 100 g representative sub sample, whereas the quantification method (using the whole sample) has found fibres not previously identified.

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.



Page 1 of 8

- Holdenby Road Spratton Northamptonshire NN6 8LD
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- e: rebeccaprice@hydrock.com

Analytical Report Number : 14-57724

Project / Site name:	Geopost, Liverpool	Samples received on:	28/07/2014
Your job number:	C14493	Samples instructed on:	28/07/2014
Your order number:	N6138/C14493	Analysis completed by:	01/08/2014
Report Issue Number:	1	Report issued on:	01/08/2014
Samples Analysed:	3 water samples		



Dr Claire Stone Quality Manager For & on behalf of i2 Analytical Ltd.

Other office located at: ul. Pionierów 39, 41 -711 Ruda Śląska, Poland

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

Excel copies of reports are only valid when accompanied by this PDF certificate.



i2 Analytical Ltd. 7 Woodshots Meadow, Croxley Green Business Park, Watford, Herts, WD18 8YS

t: 01923 225404 **f:** 01923 237404 e: reception@i2analytical.com



Signed:

Rexona Rahman Customer Services Manager For & on behalf of i2 Analytical Ltd.

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



Rebecca Price Hydrock Consultants Ltd 2-4 Hawthorne Park





Project / Site name: Geopost, Liverpool

Your Order No: N6138/C14493							
Lab Sample Number				358361	358362	358363	
Sample Reference				WS01	WS03	WS06	
Sample Number				None Supplied	None Supplied	None Supplied	
Depth (m)				None Supplied	None Supplied	None Supplied	
Date Sampled				25/07/2014	25/07/2014	25/07/2014	
Time Taken				None Supplied	None Supplied	None Supplied	
		2 –	. Č				
Analytical Parameter	Ę	ete in	red				
(Water Analysis)	it i	£ië	ita				
		n f	. Eig				
			-				
Comment American							
General Inorganics			1				
pH	pH Units	N/A	ISO 17025	/.6	6.8	/.0	
Electrical Conductivity	µS/cm	10	NONE	1000	2400	1300	
Total Cyanide	µq/l	10	ISO 17025	12	< 10	< 10	
Free Cyanide	µg/l	10	ISO 17025	< 10	< 10	< 10	
Sulphate as SO ₄	µg/i	45	150 17025	93300	116000	185000	
Chloride	mg/l	0.15	ISO 17025	130	91	30	
Huoride	µg/l	50	ISO 17025	510	250	210	
Ammonium as NH ₄	µg/I	15	ISO 17025	2300	11000	< 15	
Nitrate as N	mg/l	0.25	ISO 17025	0.4	0.4	< 0.3	
Nitrate as NO ₃	mg/l	1.1	ISO 17025	1.8	1.7	< 1.1	
Nitrite as N	µg/l	25	ISO 17025	< 25	< 25	< 25	
Nitrite as NO ₂	µg/l	82	ISO 17025	< 82	< 82	< 82	
Hardness - Total	mgCaCO3/I	1	ISO 17025	334	1140	670	
Bromate (Subcontracted)	µg/l	2	NONE	< 2.0	< 2.0	< 2.0	
Total Phenols							
Total Phenols	µg/l	0.5	NONE	< 0.50	< 0.50	< 0.50	
Speciated PAHs							
Naphthalene	µg/l	0.01	ISO 17025	0.55	< 0.01	0.35	
Anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	
Fluoranthene	µq/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	
Benzo(b)fluoranthene	ua/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	
Benzo(k)fluoranthene	ug/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	
Benzo(a)pyrene	µq/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	
Indeno(1,2,3-cd)pyrene	lua/l	0.001	NONE	< 0.001	< 0.001	< 0.001	
Benzo(ghi)pervlene	ug/l	0.001	NONE	< 0.001	< 0.001	< 0.001	
	-						
Heavy Metals / Metalloids							
Aluminium (dissolved)	ma/l	0.001	ISO 17025	0.747	0.0103	0.0020	
Antimony (dissolved)	ug/l	0.4	ISO 17025	6.2	2.3	< 0.4	
Arsenic (dissolved)	ug/l	0.15	ISO 17025	26.2	32.1	8.50	
Barium (dissolved)	ua/l	0.06	ISO 17025	140	190	110	
Boron (dissolved)	ug/l	10	ISO 17025	180	240	570	
Cadmium (dissolved)	ua/l	0.02	ISO 17025	0.29	0.37	0.24	
Chromium (hexavalent)	ua/l	5	ISO 17025	< 5.0	< 5.0	< 5.0	
Chromium (III)	ug/I	1	NONE	2.8	< 1.0	< 1.0	
Chromium (dissolved)	ug/I	0.2	ISO 17025	2.8	0.7	< 0.2	
Cobalt (dissolved)	ug/l	0.2	ISO 17025	4.8	7.0	4.1	
Copper (dissolved)	P90	0.5	ISO 17025	31	18	11	
Iron (dissolved)	ma/l	0.005	150 17025	0.64	0.15	0.068	
Lead (dissolved)	119/1	0.000	150 17025	0.04	5.0	0.000	
	µq/l	0.4	150 17025	1000	8200	1100	
Mandahoso (dissolvod)	11/0//	1/1/22	130 17023	1000	0200	1100	
Manganese (dissolved) Morcury (dissolved)	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01	-
Manganese (dissolved) Mercury (dissolved) Melvhdepum (dissolved)	µg/l µg/L	0.01	NONE	< 0.01	< 0.01	< 0.01	
Manganese (aissolved) Mercury (dissolved) Molybdenum (dissolved)	µg/l µg/L µg/l	0.01	NONE ISO 17025	< 0.01	< 0.01	< 0.01 < 0.05	
Manganese (dissolved) Mercury (dissolved) Molybdenum (dissolved) Nickel (dissolved)	μg/L μg/L μg/l	0.01 0.05 0.5	NONE ISO 17025 ISO 17025	< 0.01 52 28	< 0.01 7.5 10	< 0.01 < 0.05 5.5	
Manganese (alssolved) Mercury (dissolved) Molybdenum (dissolved) Nickel (dissolved) Silver (dissolved) Selonium, discolved)	μg/l μg/L μg/l μg/l	0.01 0.05 0.5 0.05	NONE ISO 17025 ISO 17025 NONE	< 0.01 52 28 < 0.05	< 0.01 7.5 10 < 0.05	< 0.01 < 0.05 5.5 < 0.05	
Manganese (alssolved) Mercury (dissolved) Molybdenum (dissolved) Nickel (dissolved) Silver (dissolved) Selenium (dissolved) Tip. (direculurd)	µд/I µд/L µд/I µд/I µд/I	0.01 0.05 0.5 0.05 0.6	NONE ISO 17025 ISO 17025 NONE ISO 17025	< 0.01 52 28 < 0.05 < 0.6	< 0.01 7.5 10 < 0.05 < 0.6	< 0.01 < 0.05 5.5 < 0.05 < 0.6	
Manganese (alssolved) Mercury (dissolved) Molybdenum (dissolved) Nickel (dissolved) Silver (dissolved) Selenium (dissolved) Tin (dissolved) Vanadium (dissolved)	μg/l μg/L μg/l μg/l μg/l μg/l	0.01 0.05 0.5 0.05 0.6 0.2	NONE ISO 17025 ISO 17025 NONE ISO 17025 ISO 17025	< 0.01 52 28 < 0.05 < 0.6 < 0.20	< 0.01 7.5 10 < 0.05 < 0.6 < 0.20	< 0.01 < 0.05 5.5 < 0.05 < 0.6 < 0.20	
Manganese (dissolved) Mercury (dissolved) Molybdenum (dissolved) Silver (dissolved) Selenium (dissolved) Selenium (dissolved) Tin (dissolved) Vanadium (dissolved)	µд/I µд/L µд/Л µд/Л µд/Л µд/Л µд/Л	0.01 0.05 0.5 0.05 0.6 0.2 0.2	NONE ISO 17025 ISO 17025 NONE ISO 17025 ISO 17025 ISO 17025	< 0.01 52 28 < 0.05 < 0.6 < 0.20 11	< 0.01 7.5 10 < 0.05 < 0.6 < 0.20 4.4	< 0.01 < 0.05 5.5 < 0.05 < 0.6 < 0.20 < 0.2	

Calcium (dissolved)	mg/l	0.005	ISO 17025	119	360	210	
Magnesium (dissolved)	mg/l	0.002	ISO 17025	9.2	59	35	
Sodium (dissolved)	mq/l	0.001	ISO 17025	59	78	23	
Zinc (total)	µg/l	0.5	ISO 17025	190	330	100	





Project / Site name: Geopost, Liverpool

Your Order No: N6138/C14493

Lab Sample Number				358361	358362	358363	
Sample Reference				WS01	WS03	WS06	
Sample Number				None Supplied	None Supplied	None Supplied	
Depth (m)				None Supplied	None Supplied	None Supplied	
Date Sampled				25/07/2014	25/07/2014	25/07/2014	
Time Taken				None Supplied	None Supplied	None Supplied	
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status				
Monoaromatics							
Benzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	
Toluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	
Ethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	
p & m-xylene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	
o-xylene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	
MTDE (Mathud Testions Dutid Ether)	110/	1	ISO 17025	< 1.0	< 1.0	< 1.0	

TPH-CWG - Aliphatic >C5 - C6	µg/l	10	NONE	< 10	< 10	< 10	
TPH-CWG - Aliphatic >C6 - C8	µq/l	10	NONE	< 10	< 10	< 10	
TPH-CWG - Aliphatic >C8 - C10	µq/l	10	NONE	< 10	< 10	< 10	
TPH-CWG - Aliphatic >C10 - C12	µg/l	10	NONE	< 10	< 10	< 10	
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	NONE	< 10	< 10	< 10	
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	NONE	< 10	30	< 10	
TPH-CWG - Aliphatic >C21 - C35	µq/l	10	NONE	< 10	910	< 10	
TPH-CWG - Aliphatic >C16 - C35	µg/l	10	NONE	< 10	940	< 10	
TPH-CWG - Aliphatic >C35 - C44	µg/l	10	NONE	< 10	< 10	< 10	
TPH-CWG - Aromatic >C5 - C7	µg/l	10	NONE	< 10	< 10	< 10	
TPH-CWG - Aromatic >C7 - C8	µg/l	10	NONE	< 10	< 10	< 10	
TPH-CWG - Aromatic >C8 - C10	µg/I	10	NONE	< 10	< 10	< 10	
TPH-CWG - Aromatic >C10 - C12	µg/I	10	NONE	< 10	< 10	< 10	
TPH-CWG - Aromatic >C12 - C16	µg/I	10	NONE	< 10	< 10	< 10	
TPH-CWG - Aromatic >C16 - C21	µg/I	10	NONE	< 10	< 10	< 10	
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE	< 10	< 10	< 10	
TPH-CWG - Aromatic >C35 - C44	µg/l	10	NONE	< 10	< 10	< 10	

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





Project / Site name: Geopost, Liverpool

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
Ammonium as NH4 in water	Determination of Ammonium/Ammonia/Ammoniacal Nitrogen by the colorimetric salicylate/nitroprusside method. Accredited matrices SW, GW, PW.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082-PL	W	ISO 17025
Boron in water	Determination of boron by acidification followed by ICP-MS. Accredited matrices: SW, GW.	In-house method based on MEWAM	L012-PL	W	ISO 17025
Bromate in Water Subcon		Subcontracted Analysis			NONE
BTEX and MTBE in water	Determination of BTEX and MTBE in water by headspace GC-MS. Accredited matrices: SW PW GW	In-house method based on USEPA8260	L073W-PL	W	ISO 17025
Chloride in water	Determination of Chloride in water by Gallery Discrete Analyser based on reaction with mercury (11) thiocyanate and acid solution with iron (111) nitrate to form a red/brown iron (111) thiocyanate complex; followed by spectrophotometrice measurementat a wavelenght of 480 nm.	Methods for the Examination of Water and Associated Materials Chloride in Waters, Sewage and Effluents 1981.ISBN 0117516260 Accredited matrices: SW, PW, GW.	L082 B	W	ISO 17025
Cr (III) in water	In-house method by calculation from total Cr and Cr VI.	In-house method by calculation	L080-PL	W	NONE
Electrical conductivity of water	Determination of electrical conductivity in water by electrometric measurement.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	LO31-PL	W	NONE
Fluoride in water	Determination of fluoride in water by 1:1 ratio with a buffer solution followed by Ion Selective Electrode. Accredited matrices: SW, PW, GW.	In-house method based on Use of Total Ionic Strength Adjustment Buffer for Electrode Determination"	L033-PL	W	ISO 17025
Free cyanide in water	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	ISO 17025
Hexavalent chromium in water	Determination of hexavalent chromium in water by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry.	In-house method by continuous flow analyser. Accredited Matrices SW, GW, PW.	L080-PL	W	ISO 17025
Mercury Low Level (Dissolved) in Water		In-house method based on USEPA method 1631	L085-UK		NONE
Metals in water by ICP-MS (dissolved)	Determination of metals in water by acidification followed by ICP-MS. Accredited Matrices: SW, GW, PW except B=SW,GW, Hg=SW,PW, AI=SW,PW.	In-house method based on MEWAM 1986 Methods for the Determination of Metals in Soil""	L012-PL	W	NONE
Nitrate in water	Determination of nitrate in water by colorimetric assay. Accredited matrices SW, GW, PW.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L078-PL	W	ISO 17025
Nitrite in water	Determination of nitrite in water by addition of sulphanilamide and NED followed by colorimetry.Accredited matrices SW, GW, PW.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L077-PL	W	ISO 17025
pH in water	Determination of pH in water by electrometric measurement. Accredited matrices: SW PW GW	In-house method based on BS1377 Part 3, 1990, Chemical and Electrochemical Tests	LOO5-PL	W	ISO 17025
Phenols, speciated, in water, by GCMS	Determination of speciated phenols in water by extraction in hexane followed by GC-MS.	In-house method based on USEPA 8270	L070-UK	W	NONE

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Project / Site name: Geopost, Liverpool

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
Speciated EPA-16 PAHs in water	Determination of PAH compounds in water by extraction in dichloromethane followed by GC-MS with the use of surrogate and internal standards. Accredited matrices: SW PW GW	In-house method based on USEPA 8270	L070-UK	W	ISO 17025
Specific PAH sums in water		In-house method based on USEPA 8270	L070-UK		NONE
Sulphate in water	Determination of sulphate in water by acidification followed by ICP-OES. Accredited matrices: SW PW GW	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L039-PL	W	ISO 17025
Total cyanide in water	Determination of total cyanide by distillation followed by colorimetry. Accredited matrices: SW PW GW	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	ISO 17025
Total Hardness of water	Determination of hardness in waters by calculation from calcium and magnesium. Accredited Matrices SW, GW, PW.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L045-PL	W	ISO 17025
TPH Chromatogram		In-house method	L070-PL		NONE
TPHCWG (Waters)	Determination of dichloromethane extractable hydrocarbons in water by GC-MS, speciation by interpretation.	In-house method	L070-UK	W	NONE

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 as a secence of 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.

Assessment of Chemicals of Potential Concern to Human Health

								Soil Type												
	All values	in mg/kg unles	s otherwise	e stated				Location & Depth	TP01	TP02	TP03	TP05	TP07	TP08	TP09	TP11	TP12	TP13	TP15	TP16
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC	US ₉₅	Result of Significance Test	0.20	1.50	0.30	0.40	1.80	0.30	0.70	0.40	1.00	0.40	0.30	0.90
Arsenic	1	20	11	120	0	640	56.6307	POTENTIALLY SUITABLE FOR USE	89	20	24	11	14	22	17	12	15	99	57	18
Beryllium	0.06	20	0.4	1.5	0	420	1.084379	POTENTIALLY SUITABLE FOR USE	1.3	0.8	1.2	0.5	0.5	0.7	0.6	0.4	0.5	0.6	0.7	0.6
Boron	0.2	20	0.2	2	0	190000	1.323176	POTENTIALLY SUITABLE FOR USE	0.6	0.7	0.4	0.2	0.8	0.8	0.2	1.6	2	0.4	0.9	1.2
Cadmium	0.2	20	0.2	4.2	0	230	2.390105	POTENTIALLY SUITABLE FOR USE	2.7	4.2	0.6	0.2	1	1.9	0.3	0.2	0.3	2.3	1.4	1
Chromium (III)	1	20	18	98	0	8800	79.05989	POTENTIALLY SUITABLE FOR USE	98	20	24	23	27	26	23	18	22	97	61	26
Chromium (VI)	1.2	20	1.2	3.2	0	35	1.736	POTENTIALLY SUITABLE FOR USE	3.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Copper	1	20	31	270	0	72000	231.1416	POTENTIALLY SUITABLE FOR USE	270	120	210	31	96	98	47	57	84	230	160	190
Lead	1	20	34	550	0	2330	309.144	POTENTIALLY SUITABLE FOR USE	550	100	90	34	97	190	76	97	140	410	270	110
Mercury, inorganic	0.3	20	0.3	1.2	0	3600	0.950723	POTENTIALLY SUITABLE FOR USE	1.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1	0.6	0.3
Nickel	1	20	15	77	0	1800	44.08248	POTENTIALLY SUITABLE FOR USE	45	23	44	26	27	28	18	15	20	34	25	25
Selenium	1	20	1	1	0	13000	1	POTENTIALLY SUITABLE FOR USE	1	1	1	1	1	1	1	1	1	1	1	1
Vanadium	1	20	23	41	0	3200	35.35946	POTENTIALLY SUITABLE FOR USE	39	28	41	27	30	31	23	23	25	36	27	27
Zinc	1	20	73	540	0	670000	334.8272	POTENTIALLY SUITABLE FOR USE	380	540	330	73	210	180	79	76	130	220	170	150
Cyanide (free)	1	20	1	1	0	16000	1	POTENTIALLY SUITABLE FOR USE	1	1	1	1	1	1	1	1	1	1	1	1
Phenol (total)	2	20	2	2	0	3200	2	POTENTIALLY SUITABLE FOR USE	2	2	2	2	2	2	2	2	2	2	2	2
Acenaphthene	0.1	20	0.1	2.5	0	98000	1.046954	POTENTIALLY SUITABLE FOR USE	0.45	0.1	0.1	0.1	0.1	0.1	0.1	0.44	0.47	0.1	0.1	0.1
Acenaphthylene	0.1	20	0.1	0.1	0	97000	0.1	POTENTIALLY SUITABLE FOR USE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Anthracene	0.1	20	0.1	4	0	540000	1.784057	POTENTIALLY SUITABLE FOR USE	0.77	0.14	0.45	0.23	0.1	0.1	0.1	0.82	0.83	0.27	0.33	0.15
Benz(a)anthracene	0.1	20	0.13	10	0	95	4.548564	POTENTIALLY SUITABLE FOR USE	3.1	0.55	1.7	0.38	0.28	0.24	0.13	1.5	1.3	1.1	0.78	0.29
Benzo(a)pyrene	0.1	20	0.24	12	0	14	3.561595	POTENTIALLY SUITABLE FOR USE	4.2	0.66	2.2	0.51	0.37	0.29	0.24	1.9	1.5	1.3	1.3	0.45
Benzo(b)fluoranthene	0.1	20	0.23	13	0	100	5.917641	POTENTIALLY SUITABLE FOR USE	4.4	0.65	2.3	0.46	0.36	0.35	0.23	1.7	1.6	1.7	1.4	0.44
Benzo(ghi)perylene	0.05	20	0.05	6.4	0	660	2.91829	POTENTIALLY SUITABLE FOR USE	2.2	0.4	1.1	0.05	0.05	0.05	0.05	0.88	0.86	0.75	0.77	0.05
Benzo(k)fluoranthene	0.1	20	0.12	5	0	140	2.520601	POTENTIALLY SUITABLE FOR USE	2	0.35	1.2	0.28	0.19	0.18	0.12	1	0.86	0.76	0.76	0.2
Chrysene	0.05	20	0.31	11	0	140	5.335746	POTENTIALLY SUITABLE FOR USE	3.9	0.69	2	0.55	0.38	0.31	0.34	2	1.8	1.5	1.7	0.58
Dibenz(a,h)anthracene	0.1	20	0.1	1.2	0	13	0.50822	POTENTIALLY SUITABLE FOR USE	0.33	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Fluoranthene	0.1	20	0.43	22	0	23000	10.10063	POTENTIALLY SUITABLE FOR USE	6.4	1.3	3.3	0.86	0.46	0.51	0.43	3.6	3.1	2.1	2.3	0.76
Fluorene	0.1	20	0.1	1.8	0	69000	0.829331	POTENTIALLY SUITABLE FOR USE	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.34	0.32	0.1	0.1	0.1
Indeno(1,2,3,cd)pyrene	0.1	20	0.1	4.6	0	61	2.203656	POTENTIALLY SUITABLE FOR USE	1.8	0.28	0.98	0.1	0.1	0.1	0.1	0.64	0.6	0.66	0.59	0.1
Naphthalene	0.05	20	0.05	0.68	0	480	0.35381	POTENTIALLY SUITABLE FOR USE	0.22	0.05	0.05	0.05	0.05	0.05	0.05	0.58	0.05	0.05	0.05	0.05
Phenanthrene	0.1	20	0.1	16	0	22000	7.188036	POTENTIALLY SUITABLE FOR USE	4.1	0.75	0.97	0.6	0.1	0.1	0.1	2.5	2.6	1.2	1.3	0.57
Pyrene	0.1	20	0.43	20	0	54000	9.245806	POTENTIALLY SUITABLE FOR USE	6.2	1.2	3.1	0.91	0.49	0.49	0.43	3.4	3	2.2	2.2	0.74
	Mean																			
FOC (dimensionless)	0.013								0.024	0.011	0.0073	0.0032	0.0074	0.012	0.01	0.0066	0.0098	0.02	0.017	0.0079
SOM (calculated)	2.27%								4.14%	1.90%	1.26%	0.55%	1.28%	2.07%	1.72%	1.14%	1.69%	3.45%	2.93%	1.36%
pH (su)	8.2								7.9	8.1	8.3	8.6	8.2	7.9	7.7	10	10.1	7.6	7.9	7.8
Risk parameter Data se Clien Site Job no Lab. report no(s)	Risk parameter: Human health - commercial (2.5%SOM) Legend: Values in blue are at or below the laboratory reporting limit (where a single value is indicated) and are Data set: Made Ground (Fill) considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate. Client: St. Modwen Values in red are equal to, or greater than, the generic assessment criterion (GAC). Site: Geopost Liverpool MG denotes Made Ground Job no.: C14493 NAT denotes natural ground																			

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Assessment of Chemicals of Potential Concern to Human Health

								Soil Type								
	All values	in mg/kg unle	ss otherwis	e stated				Location & Depth	TP19	TP20	TP21	TP22	TP23	TP24	TP25	TP26
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC	US ₉₅	Result of Significance Test	1.10	0.30	1.50	0.10	1.50	0.30	0.30	1.40
Arsenic	1	20	11	120	0	640	56.6307	POTENTIALLY SUITABLE FOR USE	28	74	20	120	49	87	43	54
Beryllium	0.06	20	0.4	1.5	0	420	1.084379	POTENTIALLY SUITABLE FOR USE	0.7	1.5	0.6	0.8	1	1.3	0.6	0.7
Boron	0.2	20	0.2	2	0	190000	1.323176	POTENTIALLY SUITABLE FOR USE	1.3	0.4	1.3	0.3	0.9	1.4	0.3	0.9
Cadmium	0.2	20	0.2	4.2	0	230	2.390105	POTENTIALLY SUITABLE FOR USE	0.9	1.5	0.3	2.7	0.5	2.6	1.2	0.7
Chromium (III)	1	20	18	98	0	8800	79.05989	POTENTIALLY SUITABLE FOR USE	32	65	21	94	77	98	52	75
Chromium (VI)	1.2	20	1.2	3.2	0	35	1.736	POTENTIALLY SUITABLE FOR USE	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Copper	1	20	31	270	0	72000	231.1416	POTENTIALLY SUITABLE FOR USE	97	220	49	270	180	260	140	240
Lead	1	20	34	550	0	2330	309.144	POTENTIALLY SUITABLE FOR USE	120	300	100	480	440	500	290	460
Mercury, inorganic	0.3	20	0.3	1.2	0	3600	0.950723	POTENTIALLY SUITABLE FOR USE	0.3	0.7	0.3	1.2	1.1	1.1	0.7	1.1
Nickel	1	20	15	77	0	1800	44.08248	POTENTIALLY SUITABLE FOR USE	28	40	27	25	77	36	22	33
Selenium	1	20	1	1	0	13000	1	POTENTIALLY SUITABLE FOR USE	1	1	1	1	1	1	1	1
Vanadium	1	20	23	41	0	3200	35.35946	POTENTIALLY SUITABLE FOR USE	30	38	24	26	35	35	25	29
Zinc	1	20	73	540	0	670000	334.8272	POTENTIALLY SUITABLE FOR USE	130	240	87	250	310	340	150	290
Cyanide (free)	1	20	1	1	0	16000	1	POTENTIALLY SUITABLE FOR USE	1	1	1	1	1	1	1	1
Phenol (total)	2	20	2	2	0	3200	2	POTENTIALLY SUITABLE FOR USE	2	2	2	2	2	2	2	2
Acenaphthene	0.1	20	0.1	2.5	0	98000	1.046954	POTENTIALLY SUITABLE FOR USE	0.1	0.1	0.32	0.1	2	0.64	0.1	2.5
Acenaphthylene	0.1	20	0.1	0.1	0	97000	0.1	POTENTIALLY SUITABLE FOR USE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Anthracene	0.1	20	0.1	4	0	540000	1.784057	POTENTIALLY SUITABLE FOR USE	0.4	0.27	0.43	0.26	3.6	0.99	0.24	4
Benz(a)anthracene	0.1	20	0.13	10	0	95	4.548564	POTENTIALLY SUITABLE FOR USE	1	0.56	1.2	0.89	9.1	2.7	0.74	10
Benzo(a)pyrene	0.1	20	0.24	12	0	14	3.561595	POTENTIALLY SUITABLE FOR USE	1.2	1	1.4	1.5	10	3.8	1	12
Benzo(b)fluoranthene	0.1	20	0.23	13	0	100	5.917641	POTENTIALLY SUITABLE FOR USE	1.2	1	1.5	1.8	11	4.7	1	13
Benzo(ghi)perylene	0.05	20	0.05	6.4	0	660	2.91829	POTENTIALLY SUITABLE FOR USE	0.63	0.65	0.83	0.92	5.4	2.3	0.56	6.4
Benzo(k)fluoranthene	0.1	20	0.12	5	0	140	2.520601	POTENTIALLY SUITABLE FOR USE	0.7	0.63	0.83	0.85	5	1.9	0.56	4.9
Chrysene	0.05	20	0.31	11	0	140	5.335746	POTENTIALLY SUITABLE FOR USE	1.5	1.3	1.6	1.8	10	4.7	0.98	11
Dibenz(a,h)anthracene	0.1	20	0.1	1.2	0	13	0.50822	POTENTIALLY SUITABLE FOR USE	0.1	0.1	0.1	0.1	0.97	0.1	0.1	1.2
Fluoranthene	0.1	20	0.43	22	0	23000	10.10063	POTENTIALLY SUITABLE FOR USE	2.3	1.5	2.8	2.2	20	7.2	1.6	22
Fluorene	0.1	20	0.1	1.8	0	69000	0.829331	POTENTIALLY SUITABLE FOR USE	0.1	0.1	0.27	0.1	1.8	0.43	0.1	1.8
Indeno(1,2,3,cd)pyrene	0.1	20	0.1	4.6	0	61	2.203656	POTENTIALLY SUITABLE FOR USE	0.53	0.43	0.64	0.7	4.3	1.5	0.45	4.6
Naphthalene	0.05	20	0.05	0.68	0	480	0.35381	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.31	0.05	0.54	0.05	0.05	0.68
Phenanthrene	0.1	20	0.1	16	0	22000	7.188036	POTENTIALLY SUITABLE FOR USE	1.2	0.69	1.8	1.3	15	4.2	0.96	16
Pyrene	0.1	20	0.43	20	0	54000	9.245806	POTENTIALLY SUITABLE FOR USE	2.1	1.5	2.8	2.2	18	6.7	1.5	20
	Mean															
FOC (dimensionless)	0.013								0.0076	0.015	0.01	0.024	0.016	0.019	0.017	0.019
SOM (calculated)	2.27%								1.31%	2.59%	1.72%	4.14%	2.76%	3.28%	2.93%	3.28%
pH (su)	8.2								8.6	8.2	8.8	8.1	7.8	7.5	7.7	7.7
Risk parameter Data se Clien Site Job no Lab. report no(s)	r: Human t: Made Gi t: St. Modv t: Geopost t: C14493 t: 14-5725	health - cc round (Fill) wen t Liverpool 9-1	ommercia	ıl (2.5%S	OM)											

Assessment of Chemicals of Potential Concern to Plant Life

								Soil Type												1
	All values i	n mg/kg unles	s otherwise	e stated				Location & Depth	TP01	TP02	TP03	TP05	TP07	TP08	TP09	TP11	TP12	TP13	TP15	TP16
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC	US ₉₅	Result of Significance Test	0.20	1.50	0.30	0.40	1.80	0.30	0.70	0.40	1.00	0.40	0.30	0.90
Arsenic	1	20	11	120	0	250	76.38329	POTENTIALLY SUITABLE FOR USE	89	20	24	11	14	22	17	12	15	99	57	18
Boron	0.2	20	0.2	2	0	3	1.323176	POTENTIALLY SUITABLE FOR USE	0.6	0.7	0.4	0.2	0.8	0.8	0.2	1.6	2	0.4	0.9	1.2
Chromium (III)	1	20	18	98	0	400	79.05989	POTENTIALLY SUITABLE FOR USE	98	20	24	23	27	26	23	18	22	97	61	26
Chromium (VI)	1.2	20	1.2	3.2	0	25	1.736	POTENTIALLY SUITABLE FOR USE	3.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Copper	1	20	31	270	7	200	231.1416	FURTHER ASSESSMENT REQUIRED	270	120	210	31	96	98	47	57	84	230	160	190
Nickel	1	20	15	77	0	110	44.08248	POTENTIALLY SUITABLE FOR USE	45	23	44	26	27	28	18	15	20	34	25	25
Zinc	1	20	73	540	5	300	334.8272	FURTHER ASSESSMENT REQUIRED	380	540	330	73	210	180	79	76	130	220	170	150
	Mean																			
pH (su)	8.2								7.9	8.1	8.3	8.6	8.2	7.9	7.7	10	10.1	7.6	7.9	7.8
Risk parameter: Data set: Client: Site: Job no.: Lab. report no(s).:			Legend:	Values in b considered Values in re MG denotes NAT denote	lue are at or as being at ad are equal s Made Grou es natural gr	below the la the detectio to, or great und ound	aboratory re n limit for th er than, the	porting limit e purposes generic ass	(where a sir of statistical essment crit	ngle value is analysis, as erion (GAC)	indicated) a a conserva	and are ative estimat	te.							

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Assessment of Chemicals of Potential Concern to Plant Life

							Soil Type									
	Location & Depth	TP19	TP20	TP21	TP22	TP23	TP24	TP25	TP26							
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC	US ₉₅	Result of Significance Test	1.10	0.30	1.50	0.10	1.50	0.30	0.30	1.40
Arsenic	1	20	11	120	0	250	76.38329	POTENTIALLY SUITABLE FOR USE	28	74	20	120	49	87	43	54
Boron	0.2	20	0.2	2	0	3	1.323176	POTENTIALLY SUITABLE FOR USE	1.3	0.4	1.3	0.3	0.9	1.4	0.3	0.9
Chromium (III)	1	20	18	98	0	400	79.05989	POTENTIALLY SUITABLE FOR USE	32	65	21	94	77	98	52	75
Chromium (VI)	1.2	20	1.2	3.2	0	25	1.736	POTENTIALLY SUITABLE FOR USE	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Copper	1	20	31	270	7	200	231.1416	FURTHER ASSESSMENT REQUIRED	97	220	49	270	180	260	140	240
Nickel	1	20	15	77	0	110	44.08248	POTENTIALLY SUITABLE FOR USE	28	40	27	25	77	36	22	33
Zinc	1	20	73	540	5	300	334.8272	FURTHER ASSESSMENT REQUIRED	130	240	87	250	310	340	150	290
	Mean															
pH (su)	8.2								8.6	8.2	8.8	8.1	7.8	7.5	7.7	7.7
Risk parameter Data set Client Site Job no.	Plant life Made Gr St. Modv Geopost C14493	e pH >7 round (Fill) ven Liverpool														

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Summary of Remedial Targets Methodology

RTM Level 2 - Groundwater Beneath Source Assessment - groundwater samples Water body receptor(s): Groundwater and surface water Secondary receptor(s): Human health (abstraction) and aquatic ecosystem Data set: Groundwater Client: St Modwen Properties Site: Geopost, Liverpool Job no: C14493

Chemicals of Potential Concern		Summa	ary of Sample	e Data		Value Being Compared to Target =	Water Qua (Exceede Te	l ity Target ed if Red xt)	No. Sa Exceedi Quality	amples ng Water v Target	Notes
(concentrations in µg/l)	No. of Samples	Limit of Detection	Minimum Value	Maximum Value	95-%ile Value	Maximum Value	DWS	Inland Waters EQS	DWS	Inland Waters EQS	
Hardness as mg/I CaCO3	-	-	1140	-	-	-		-			Used with some EQS.
Ag (dissolved)	3	0.05	0.05	0.05	0.05	0.05		0.05	0	0	
AI (dissolved)	3	1	2	747	673.33	747	200		1	0	
As (dissolved)	3	0.15	8.5	32.1	31.51	32.1	10	50	2	0	
B (dissolved)	0	10	0	0		0	1000	2000	0	0	
Ba (dissolved)	3	0.06	110	190	185	190	700		0	0	
Cd (dissolved)	3	0.02	0.24	0.37	0.362	0.37	5	0.25	0	2	
Co (dissolved)	3	0.2	4.1	/	6.78	/		3	0	3	Delevel insit of Detection
Cr (VI) (dissolved)	3	5	5	5	5	5		3.4	0	3	Below Limit of Detection.
Cr (III) (dissolved)	3	1	1	2.8	2.62	2.8	50	4.7	0	0	
Cr (total) (dissolved)	3	0.2	0.2	2.8	2.59	2.8	50	20	0	0	
Cu (uissoivea)	3	0.5	69	640	29.7	640	2000	20 1000	1	0	
re (uissolived)	3	5	00	0.01	0.01	040	200	0.05	0	0	
ny (dissolved)	3	0.01	1000	8200	7/00	8200	50	0.05	3	0	
Mo (dissolved)	3	0.05	0.05	5200	1490	5200	50		0	0	
No (dissolved)	3	0.05	22000	79000	76100	79000	200000		0	0	
Na (dissolved)	3	0.5	23000	28	26.2	76000	200000	20	1	1	
Pb (dissolved)	3	0.3	0.0	20	8 78	20	10	7.2	0	1	
Pb (dissolved)	3	0.2	0.9	9.1	5.81	9.1	5	1.2	1	0	
Sb (dissolved)	3	0.4	0.4	0.2	0.6	0.2	10		0	0	
Sp (dissolved)	3	0.0	0.0	0.0	0.0	0.0	10	25	0	0	
V (dissolved)	3	0.2	0.2	11	10.2	11		60	0	0	
Zn (dissolved)	3	0.2	13	17	16.8	17		00	0	0	
Zn (total)	3	0.5	100	330	316	330		125	0	2	
Cvanide (free)	3	10	10	10	10	10		1	0	3	
Cvanide (total)	3	10	10	12	11.8	12	50	-	0	0	
Ammonium (NH4+)	3	15	15	11000	10130	11000	500		2	0	
Bromate (BrO3)	3	2	2	2	2	2	10		0	0	
Chloride (Cl-)	3	150	30000	130000	126100	130000	250000	250000	0	0	
Fluoride (F-)	3	50	210	510	484	510	1500	5000	0	0	
Nitrate (NO3-)	3	1100	1100	1800	1790	1800	50000		0	0	
Nitrite (NO2-)	3	82	82	82	82	82	500		0	0	
Sulfate (SO42-)	3	45	93300	185000	178100	185000	250000	400000	0	0	
pH (min.) (su)	3	0	7.6	6.8	7.54	6.8	6.5	6	0	0	Max & Min interchanged to compare min. value.
pH (max.) (su)	3	0	6.8	7.6	7.54	7.6	9.5	9	0	0	
Electrical conductivity (µS/cm)	3	0.01	1000	2400	2290	2400	2500		0	0	
Anthracene	3	0.01	0.01	0.01	0.01	0.01		0.1	0	0	
Benzo(a)pyrene	3	0.01	0.01	0.01	0.01	0.01	0.01	0.05	0	0	
PAH sum of benzo(b)fluoranthene benzo(k)fluoranthene	2	0.01	0.01	0.01	0.01	0.01		0.02	0	0	
PAH sum of	3	0.01	0.01	0.01	0.01	0.01		0.03	0	0	
henzo(ahi)nervlene											
indene(1.2.2. ed)pyrone											
muchu(1,2,3-cu)pyrene	3	0.01	0.01	0.01	0.01	0.01		0.002	0	3	Below Limit of Detection.
Fluoranthene	3	0.01	0.01	0.01	0.01	0.01		0.1	0	0	
Naphthalene	3	0.01	0.01	0.55	0.53	0.55		2.4	0	0	
PAHs = sum of benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(ghi)perylene, indeno(1,2,3-											
cajpyrene	3	0.01	0.01	0.01	0.01	0.01	0.1		0	0	
Phenol	3	0.01	0.5	0.5	0.5	0.5		7.7	0	0	



Appendix F

Waste Classification

CAT-WASTE^{SOIL}

Classification Assessment Tool of Soil Wastes - Hazard Summary Sheet

M^cArdle

Site Name	Geopost, Liverpool
Location	Liverpool
Site ID	C14493
Job Number	C14493
Date	8/19/2014 10:03:57 AM
User Name	adambennett@hydrock.com
Company Name	Hydrock Consultants Ltd.

Hole ID	Sample Depth	Hazardous Waste Y/N	H1	H2	H3A	H3B	H4	H5	H6	H7	H8	H9	H10	H11	H12	H13	H14	H15
TP01	0.2m	N	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
TP02	1.5m	N	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
TP03	0.3m	N	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
TP05	0.4m	N	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
TP07	1.8m	N	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
TP08	0.3m	N	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
TP09	0.7m	N	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
TP11	0.4m	N	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
TP12	1m	N	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
TP13	0.4m	N	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
TP15	0.3m	N	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
TP16	0.9m	N	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
TP19	1.1m	N	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
TP20	0.3m	N	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
TP21	1.5m	N	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
TP22	0.1m	N	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
TP23	1.5m	N	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
TP24	0.3m	N	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
TP25	0.3m	N	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
TP26	1.4m	N	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No



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