z	SAMPLE		SOIL VAPOUR (ppm)	2			BOREHOLE NUMBER: WS 115		PAG	GE 1 OF 1	
BOREHOLE CONSTRUCTION		П	JR.(ATE			DRILLING DATES: 13/9/01	DRILLING MET	THOD!	s · Window Sa	ample
BOREHOLE	<u>~</u>		PO	DW/	(m)	3	DRILLER : GRL	BOREHOLE DI			
ORI ISTR	1BEI	Ш	>	N	Ē	3EOLOGY	LOGGED BY : ML	SCREEN TYPE			nm
COBB	NUMBER	TYPE	SOII	GROUNDW	DEРТН (m)	GEC	CHECKED BY : JM	SCREEN SLOT	ΓSIZE	: 2mm	
		Ħ		H	0.0		DESCRIPTION		П	COMMENTS	
///					0.0_	***	MADE GROUND: Grass covering.			Dry,NVO	0.0
	0.3-0.6m- Asbestos	M			- -		MADE GROUND: Topsoil with some fine and occasional coarse gravel and coarse sand ar (6cm), clay and fine sand.	d medium gravel, nd rare cobbles (up to		D. All/O	- - 0.5
<i>V// V//</i>		Δ			0.5_	$\otimes\!\!\!\otimes$	MADE GROUND: Concrete layer.		_/	Dry,NVO	0.5
					- - -	<u> </u>	MADE GROUND: Dense black gravelly ash or gravel and coarse sand, some medium grave black gravel of coal and rare silt and clay.	with abundant fine el of fused ash and fine	1	Dry,NVO	
					1.0 <u> </u>		Very stiff/hard dark brown CLAY with occasion coal and rare light grey and black mottling, ligorounded medium gravel.		of	,,	1.0_
					1.5 -						1.5_
					2.0_						2.0 —
						 	becoming soft.				2.5_
							Soft light brown/light orange CLAY with mucl coal and some coarse sand.	n fine black gravel of		Slightly damp, NVO	
					3.0_	<u></u>	Soft light brown CLAY with much fine/mediungravel of coal.	m sand and fine black		Wet,black staining & strong olfactory	3.0
					3.5_ - -					odour.	3.5 - -
	4.0				4.0 - -		Soft light brown CLAY with much fine/mediun and medium gravel of sandstone.	m sand and some fine		Wet,black staining & strong olfactory odour.	4.0
					_		Borehole completed at 4.3mbgl due to hard s	andstone.			
					4.5_						4.5_
	OCATION /	NO	TEQ.				LEGEND	DODEHO	T 17 T	000	\Box
NVO = No	OCATION / visual or olfac			е			LEGEND Disturbed Sample Job Title: Ph	BOREHO ase Il Soil & Groundwater Inve			
of c	ontamination							itehaven,Cumbria	Jugus1011		
							★ Headspace Analysis Client: Rhodi				_
							Down Borehole Analysis	App'd	l: JM	Date: OCT 2001	
							Groundwater Table		n : AF	Ref: AF/ML/420	
							Perched Water Table	Scale	: as show Size: A4	wn Job No: 44557-0 BOREHOLE	
								Dig. C	J.20. M4	BONEHOLE	

7	SAMPLE		SOIL VAPOUR (ppm)	~			BOREHOLE NUMBER: WS 119		PAG	GE 1 OF 1	
BOREHOLE CONSTRUCTION		Н	Я (С	GROUNDWATER	į					N/:	
			υό	×	<u>E</u>	_	DRILLING DATES: 17/9/01	DRILLING ME			mpie
) STR	NUMBER		ΑA		DEPTH (m)	GEOLOGY	DRILLER : GRL	BOREHOLE D			
BC BC	JME	TYPE	=	S	Ë	디디	LOGGED BY : ML	SCREEN TYP			
ŏ	ž	E	S	Ō	٥	<u>5</u>	CHECKED BY : JM	SCREEN SLO			
					0.0_		DESCRIPTION		(COMMENTS	0.0
					-	\bowtie	MADE GROUND: Concrete hardstanding.				
		\langle	*0.2		- -		MADE GROUND: Loose light grey and light brown sand with much fine gravel of mudstone and lime medium and coarse gravel and rare clay. 0.5m-becoming with fused blue/grey air blown sl	estone, some		Dry,NVO.	-
	0.0.0.05		*4.0		0.5_	$\otimes\!\!\!\otimes$				Strong sulphorous	0.5_
********	0.6-0.65m- SVOC,TOC	DΩ	*1.6		-	∞	Borehole completed at 0.65mbgl due to refusal c	on concrete		odour.	
					-		boreriole completed at 0.00mbgr due to relusar c	on concrete.			
					1.0_						1.0
					_						"
					-						
					-						-
					1.5_						1.5
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					-						-
					-						
					2.0_						2.0
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					2.5_						2.5_
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					3.0_	-					3.0
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					3.5_						3.5
					3.5_						3.5
					-						
					-						-
					-						
		Ш			4.0_						4.0_
	OCATION / visual or olfac			е			LEGEND	BOREHO		LOG	
	ontamination	y					Indisturbed Comple	Soil & Groundwater Inve	estigation		
							tondisturbed Sample Location: Whitehat Headspace Analysis Client: Rhodia	aven,Cumbria			
							Down Borehole Analysis	App'e	d: JM	Date: OCT 2001	
									n : AF	Ref: AF/ML/420	
							⊋ Perched Water Table	Scale	e: as show		
								Drg.	Size: A4	BOREHOLE	LUG

	SAMPLE	TYPE SOIL VAPOUR (ppm)				BOREHOLE NUMBER: WS 119a		PAG	GE 1 OF 1	
BOREHOLE CONSTRUCTION		H 8	TER	_					0 M/5	
<u>5</u> 2			GROUNDWAT	(F	>	DRILLING DATES: 27/9/01			S : Window Sa	impie
T ST	3ER	AF	Z	E E	90-	DRILLER : GRL	BOREHOLE D			am.
	NUMBER	TYPE SOIL '	2	DEPTH (m)	GEOLOGY	LOGGED BY : ML			AM: uPVC 35m	
ŏ	ž	í »	C		Ō	CHECKED BY : JM	SCREEN SLO			
				0.0_		DESCRIPTION			COMMENTS	0.0
				-		MADE GROUND: Reinforced concrete.			Dry,NVO	-
				0.5_		MADE GROUND: Loose light grey/white fine sa fine/medium angular gravel of limestone with so sand.	and grey ome grey coarse		Dry,NVO	0.5_
				-		MADE GROUND: Medium dense dark brown re some grey fine and medium angular gravel of li gravelly ash and coarse sand and occasional sl	mestone, black fine	;	Dry,NVO	
				1.0_		of coal and orange fine ash.				1.0
				-	\bigotimes					
				1.5_						1.5_
				-		MADE GROUND: Medium dense light brown ar sand and fine gravel of limestone and mudstone light brown clay and rare black fine gravel of co	e with occasional	•	Wet,NVO	-
0.000						Borehole completed at 1.95mbgl due to obstruc	tion in limestone.			2.0
				2.5_						2.5_
				-						
				3.0_						3.0
				3.5_						3.5_
				-						-
				4.0_						4.0
	OCATION /	NOTES:			l	<u>LEGEND</u>	BOREHO	LE I	LOG	
NVO = No visual or olfactory evidence of contamination						M. Disturbed Consults	Il Soil & Groundwater Inve			
	n tarriir ation					Undisturbed Sample Location: Whitel		-		
						★ Headspace Analysis Client: Rhodia	·			
						Down Borehole Analysis		d: JM	Date: OCT 2001	
						Groundwater Table		n : AF	Ref: AF/ML/420	
						Perched Water Table	Scale	e: as show Size: A4	wn Job No: 44557-0 BOREHOLE	
						<u> </u>	Dig.		JONETIOLE	

DRILLING DATES; 13/9/01 DRILLING METHODS; Window Sample DRILLING METHODS; Windows SCREEN LYPE & DIAM; uPVC 35mm COMMENTS Dry,NVO Dry	Z	SAMPLE	(mdd)	2			BOREHOLE NUMBER: WS 120		PAGE	1 OF 1	
DESCRIPTION 0.0 DESCRIPTION MADE GROUND: Grass covering. MADE GROUND: Soft light brown topsoil with some silt, occasional fine/medium gravel and rare light brown/pink medium gravel of sandstone. MADE GROUND: Soft light brown topsoil with some silt, occasional fine/medium gravel and rare light brown/pink medium gravel of pry, NVO Dry, NVO	35			- 1-	_		DRILLING DATES: 13/9/01	DRILLING MET	HODS : \	Nindow Sa	mple
DESCRIPTION 0.0 DESCRIPTION MADE GROUND: Grass covering. MADE GROUND: Soft light brown topsoil with some silt, occasional fine/medium gravel and rare light brown/pink medium gravel of sandstone. MADE GROUND: Soft light brown topsoil with some silt, occasional fine/medium gravel and rare light brown/pink medium gravel of pry, NVO Dry, NVO	BEHO RUG	<u>~</u>		2	Œ	ĞΥ					
DESCRIPTION 0.0 DESCRIPTION MADE GROUND: Grass covering. MADE GROUND: Soft light brown topsoil with some silt, occasional fine/medium gravel and rare light brown/pink medium gravel of sandstone. MADE GROUND: Soft light brown topsoil with some silt, occasional fine/medium gravel and rare light brown/pink medium gravel of pry, NVO Dry, NVO	SOR IST	BE			ξ	70	LOGGED BY : ML	SCREEN TYPE	& DIAM:	uPVC 35m	nm
MADE GROUND: Grass covering. MADE GROUND: Soft light brown topsoil with some silt, occasional fine/medium gravel and rare light brown/pink medium gravel of sandstone. 0.5- MADE GROUND: Soft dark brown/black silty reworked clay with some coarse sand, occasional fine gravel and fine black gravel of coal and rare coarse gravel of limestone and sandstone. MADE GROUND: Soft dark brown/black silty reworked clay with some coarse sand, occasional fine gravel and fine black gravel of coal and rare coarse gravel of the sandstone. MADE GROUND: Hard black gravelly ash with some fine black gravel of coal and medium.fine sand and occasional silt and day. Hard light brown CLAY with some medium/coarse sand and fine gravel and occasional silt and coarse gravel (2cm) of mudstone and sandstone. 1.5- 1.5- 1.6- 1.7- 1.7- 1.7- 1.9-	90) N		GRO		GEC	CHECKED BY : JM	SCREEN SLOT	ΓSIZE: 2r	mm	
MADE GROUND: Grass covering. MADE GROUND: Soft light brown topsoil with some silt, occasional fine/medium gravel and rare light brown/pink medium gravel of sandstone. MADE GROUND: Soft dark brown/black silty reworked clay with some coarse sand, occasional fine gravel and fire black gravel of coal and rare coarse gravel of limestone and sandstone. MADE GROUND: Hard black gravelly ash with some fine black gravel of coal and rare coarse gravel of timestone and sandstone. MADE GROUND: Hard black gravelly ash with some fine black gravel of coal and rare coarse gravel of coal and rare sand and fine gravel and occasional silt and ocase gravel (2cm) of mudstone and sandstone. 1.5 — Hard light brown CLAY with some coarse gravel (2·3cm). Hard cemented fissile dark grey MUDSTONE. Very stiff dark brown CLAY with some orange mottling and occasional fine gravel and rare silt and orange mottling. Very stiff dark brown CLAY with some orange mottling and occasional fine gravel, black fine gravel of coal, silt and fine sand. Very stiff/hard dark brown/orange CLAY with occasional pink mottling, fine gravel, black fine gravel of coal, silt and fine sand. Dry, NVO Dry				$^{+}$	0.0		DESCRIPTION		СО	MMENTS	
0.3-0.6m-Asbestos, Metals Doctor Color					-	***			Dry	,NVO	
Very stiff dark brown CLAY with occasional fine sand and fine gravel and rare silt and orange mottling. 2.0 — — Very stiff dark brown CLAY with some orange mottling and occasional fine gravel, black fine gravel of coal, silt and fine sand. Very stiff/hard dark brown/orange CLAY with occasional pink mottling, fine gravel, black fine gravel of coal and pink/light brown coarse (3cm) gravel of sandstone and rare silt and fine sand. Dry,NVO 2.0 — Dry,NVO Dry,NVO Dry,NVO 3.5 — — — — — — — — — — — — — — — — — — —		Asbestos,			1.0		fine/medium gravel and rare light brown/pink sandstone. MADE GROUND: Soft dark brown/black silty some coarse sand, occasional fine gravel and coal and rare coarse gravel of limestone and MADE GROUND: Hard black gravelly ash will gravel of coal and medium fine sand and occur Hard light brown CLAY with some medium/or gravel and occasional silt and coarse gravel sandstone. 1.0-1.2m-becoming dark brown with some coarse.	reworked clay with d fine black gravel of sandstone. ith some fine black casional silt and clay. oarse sand and fine (2cm) of mudstone and parse gravel (>3cm).	Dry Dry Dry	OVN, OVN,	1.0
and rare silt and orange mottling. 2.0 ————————————————————————————————————					-		\		_/		
Very stiff dark brown CLAY with some orange mottling and occasional fine gravel, black fine gravel of coal, silt and fine sand. Very stiff/hard dark brown/orange CLAY with occasional pink mottling, fine gravel, black fine gravel of coal and pink/light brown coarse (3cm) gravel of sandstone and rare silt and fine sand. Dry,NVO 2.0 — Dry,NVO 2.1 — Dry,NVO 3.0 — 3.0 — 3.5 — Soft dark brown CLAY with some silt and occasional pink/light brown fine gravel of sandstone and black coal.					-	===		ine sand and fine grav	el / Dry	,NVO	
occasional fine gravel, black fine gravel of coal, silt and fine sand. Very stiff/hard dark brown/orange CLAY with occasional pink mottling, fine gravel, black fine gravel of coal and pink/light brown coarse (3cm) gravel of sandstone and rare silt and fine sand. Dry,NVO 3.0					2.0_	===		e mottling and	_/ Drv	NVO	2.0
mottling, fine gravel, black fine gravel of coal and pink/light brown coarse (3cm) gravel of sandstone and rare silt and fine sand. Dry,NVO 3.0 3.5 Soft dark brown CLAY with some silt and occasional pink/light brown fine gravel of sandstone and black coal.					-	===				,,,,,,	
mottling, fine gravel, black fine gravel of coal and pink/light brown coarse (3cm) gravel of sandstone and rare silt and fine sand. Dry,NVO 3.0 3.5 Soft dark brown CLAY with some silt and occasional pink/light brown fine gravel of sandstone and black coal.					-	:-:-					
coarse (3cm) gravel of sandstone and rare silt and fine sand. Dry,NVO 3.0 3.5 Soft dark brown CLAY with some silt and occasional pink/light brown fine gravel of sandstone and black coal.					25	<u> </u>					25
3.0					-	<u> </u>	coarse (3cm) gravel of sandstone and rare si	ilt and fine sand.			
3.5 — Soft dark brown CLAY with some silt and occasional pink/light brown fine gravel of sandstone and black coal.					-	===			Dry	,NVO	
3.5 — Soft dark brown CLAY with some silt and occasional pink/light brown fine gravel of sandstone and black coal.					3.0_	===					3.0
Soft dark brown CLAY with some silt and occasional pink/light brown fine gravel of sandstone and black coal.					-	===					
Soft dark brown CLAY with some silt and occasional pink/light brown fine gravel of sandstone and black coal.					-	===					
Soft dark brown CLAY with some silt and occasional pink/light brown fine gravel of sandstone and black coal.					2.5	===					25
fine gravel of sandstone and black coal.					3.5 _	===				mn NIV/O	3.5
2.9.3 0m becoming with some light brown fine/medium cond					-	===		casional pink/light brow	/n Dai	пр,пуО	
NXXXXXI					-		3.8-3.9m-becoming with some light brown fir	ne/medium sand.			
Hard cemented light brown/pink medium grained SANDSTONE. 4.0	~~~~~				4.0 -						4.0
Borehole completed at 4.0mbgl due to hard sandstone.					-	1	Borehole completed at 4.0mbgl due to hard s	sandstone.			
					-]					
					4.5_	1					4.5
					-	1					-
					_						
LOCATION / NOTES: NVO = No visual or olfactory evidence M Disturbed Sample Job Title: Phase II Soil & Groundwater Investigation	NVO = No	visual or olfact		се			M. Distant and Community			G	
of contamination Disturbed Sample Job Title: Phase II Soil & Groundwater Investigation Undisturbed Sample Location: Whitehaven, Cumbria	of c	ontamination					I Indiaturbed Comple		sugation		
★ Headspace Analysis Client: Rhodia							Location: Wi	,			
Down Borehole Analysis App'd: JM Date: OCT 2001									: JM	Date: OCT 2001	
Groundwater Table							Groundwater Table	Draw			24 400
Perched Water Table Perched Water Table Scale: as shown Job No: 44557-021-420 Drg. Size: A4 BOREHOLE LOG							Perched Water Table				

BOREHOLE NUMBER: WS 124 PAGE 1 OF 1 DRILLING DATES: 18/90/01 DRILLING METHODS: Window Sample DRILLING METHODS: Window Sampl	7	SAMPLE		(mdc	~			BOREHOLE NUMBER: WS 124		PAG	E 1 OF 1	
DESCRIPTION O_1.10 2m O_2.1.0 2m Abbestos O_2.2.0 4m TPH.Metals O_3.2.0	비비슨		Н	Я Э	TER				T DDILLING MET	11000	. Window Co	mnla
DESCRIPTION O_1.10 2m O_2.1.0 2m Abbestos O_2.2.0 4m TPH.Metals O_3.2.0		~		JO.	WA	Ē	<u>}</u>					mple
DESCRIPTION O.1.1.0.2m Abbestos O.2.0.4m TPH.Motals O.3.1.0.2m O.2.0.4m TPH.Motals O.3.1.0.2m O.3.1.0.2m MADE GROUND: Medium denselederne light brown/grey angular medium gravel of limestone with some fine gravel and coarse sand and rare coarse gravel of limestone and clay. MADE GROUND: Very dense light brown/crange medium gravel of sandstone (-Gom). MADE GROUND: Dense black granular fill with much black gravelly ash and some coarse sand and fine gravel. Very stiffhard light brown CLAY with some light orange and grey silt motifing, occasional black fine gravel and rare medium gravel of sandstone. Very stiffhard dark brown CLAY with some light orange and grey silt motifing, occasional black fine gravel and rare medium gravel of sandstone. Dry,NVO Dry,NVO Dry,NVO 2.0.1.0.1.0.1.0.1.0.1.0.1.0.1.0.1.0.1.0.	DRE STR	BER		Υ	K	Ę	00-		l			
DESCRIPTION O.1.1.0.2m Abbestos O.2.0.4m TPH.Motals O.3.1.0.2m O.2.0.4m TPH.Motals O.3.1.0.2m O.3.1.0.2m MADE GROUND: Medium denselederne light brown/grey angular medium gravel of limestone with some fine gravel and coarse sand and rare coarse gravel of limestone and clay. MADE GROUND: Very dense light brown/crange medium gravel of sandstone (-Gom). MADE GROUND: Dense black granular fill with much black gravelly ash and some coarse sand and fine gravel. Very stiffhard light brown CLAY with some light orange and grey silt motifing, occasional black fine gravel and rare medium gravel of sandstone. Very stiffhard dark brown CLAY with some light orange and grey silt motifing, occasional black fine gravel and rare medium gravel of sandstone. Dry,NVO Dry,NVO Dry,NVO 2.0.1.0.1.0.1.0.1.0.1.0.1.0.1.0.1.0.1.0.	ORG	<u>₩</u>	YPE		RO	E	EOI					
MADE GROUND: Reinforcad concrete hardstanding. MADE GROUND: Reinforcad concrete hardstanding. MADE GROUND: Medium denseldense light brown/grey angular medium gravel of limestone with some fine gravel and coarse sand und rare coarse gravel of limestone and clay. Slightly damp, slight black standing. MADE GROUND: Very dense light brown/orange medium gravel of sandstone eith numerous coarse crange sand and cemented cobbies of sandstone (-6cm). MADE GROUND: Very dense light brown/orange medium gravel of sandstone eith numerous coarse crange sand and cemented cobbies of sandstone (-6cm). MADE GROUND: Very dense light brown/orange and grey slit modifing, occasional black fine gravel and rare medium gravel of sandstone. Very stiffhard light brown CLAY with some light orange and grey slit modifing, occasional black fine gravel and rare medium gravel of sandstone. 1.5. Bornhole completed at 1.6mbgl due to stiff clay. Dry,NVO 2.5. Disturbed Sample Undisturbed Sample Undisturbed Sample Headspoors Analysis Coroundwater Table Were stiffare Plasse I Sol & Groundwater Investgation Locators Whisteven, Curbria Claim: Brods. Solightly damp, slight black gravely slit modifing, occasional black fine gravel and rare medium gravel of sandstone. 1.5. Bornhole completed at 1.6mbgl due to stiff clay. 1.6. Disturbed Sample Undisturbed Sample Salight black gravely of the stiff clay of the stiff clay.	O	Z	Ĺ	Ō	ြ		9		SCREEN SLOT			,
Accordance Contamination						0.0_	XXX			C	OMMENIS	0.0
medium graved lof imestone with some fine gravel and coarse sand and rare coarse graved of limestone and clay. TPH.Metals 10.1 NADE GROUND: Very dense light brown/crange medium gravel of sandstone (cScm). MADE GROUND: Very stiffhard light brown CLAY with some light orange and grey silt motifing, cocasional black fine gravel and rare medium gravel of sandstone. 15.5 Borehole completed at 1.6mbgl due to stiff clay. NO = No visual or offsctory evidence of contamination LOCATION / NOTES: NVO = No visual or offsctory evidence of contamination LEGEND Disturbed Sample Headspace Analysis Groundwater Table Technologies above the representation of	V// V//		M*0.	.1		-	$\stackrel{\circ}{\otimes}$					-
MADE GROUND: Very dense light brown/crange medium gravel of sandstone eth numerous coarse orange sand and cemented (sociobles of sandstone eth numerous coarse orange sand and cemented (sociobles) and sandstone (storn). MADE GROUND: Dense black granular fill with much black gravelly gash and some coarse sand and fine gravel. Very stiffhard light brown CLAY with some light orange and grey silt motiling, occasional black fine gravel and rare medium gravel of sandstone. Very stiffhard after brown CLAY with some light orange and grey silt motiling, occasional black fine gravel and rare medium gravel of sandstone. Borehole completed at 1 6mbgl due to stiff clay. Dry, NVO 2.0— Dry, NVO Dry, NVO 2.0— 2.5— Borehole completed at 1.6mbgl due to stiff clay. 2.0— 2.5— Disturbed Sample Undisturbed Sample Undisturbed Sample Headspace Analysis Groundwater Table Town Age and Age			V			-	XX					-
Damp, NVO Damp			X *0.	1		_	$\otimes \otimes$			→ //.]
Dry, NVO LOCATION / NOTES: NVO = No visual or olfactory evidence of contamination LEGEND NVO = No visual or olfactory evidence of contamination Legend L	$\mathbb{W} = \mathbb{W}$,				0.5_	===			' //		0.5_
ash and some coarse sand and fine gravel. 10	‱⊟‱					-	===	11		//	•	-
Very stiff/hard light brown CLAY with some light orange and grey slift mottling, occasional black fine gravel and rare medium gravel of sandstone. 1.5	‱ ⊢ ‱					-	===	· ·	much black gravell	y / c	Dry,NVO	
motiting, occasional black fine gravel and rare medium gravel of sandstone. Very stiffhard dark brown CLAY with some light orange and grey slit motiting, occasional black fine gravel and rare medium gravel of sandstone. I.S. Borehole completed at 1.6mbgl due to stiff clay. 2.0 - 2.0 - 2.5						_	===			_/]
sandstone. Sandstone Sand						1.0_	===			lt		1.0_
mottling, occasional black fine gravel and rare medium gravel of sandstone. 1.5	$\mathbb{W} = \mathbb{W}$					-	===	\	_	_/ □	Dry,NVO	-
Borehole completed at 1.6mbgl due to stiff clay. 2.0 2.0 3.0 3.5 NVO = No visual or olfactory evidence of contamination Disturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Conundwater Table Down Borehole Analysis Groundwater Table Down Borehole Analysis Groundwater Table Now Borehole Analysis Groundwater Table April JM Deter CCT 2001 Deam: AF Ref. AFML/JZO Scole as shown Job No. 4457-021-420 Scole as shown Job No. 4457-021-420	₩₩₩					-	===	Very stiffhard dark brown CLAY with some light	orange and grey sil	t		▎┤
Borehole completed at 1.6mbgl due to stiff clay. 2.0 2.0 3.0 3.0 3.5 NVO = No visual or olfactory evidence of contamination Disturbed Sample Undisturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Down Borehole Analysis Groundwater Table DISTURBEND Sol & Groundwater Investigation Location: Write-lawren, Cambria Client: Rhodia Appril. JM Date: CCT 2001 Drawn: AF Ref. AFML/420 Scale: as shown Jos Nv. 44557-421-420						_	===	3	ledidili gravei oi]
2.5	$\mathbb{W} = \mathbb{W}$					1.5_	===					1.5_
2.5						-	===					-
LOCATION / NOTES: NVO = No visual or olfactory evidence of contamination LEGEND Disturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table Perched Water Table Perched Water Table Perched Water Table Perched Water Table Location: Whitehaven Cumbria Dirawn: AF Ref. AFML/420 Scalue: as shown Jubo Not 44557-021-420						-		Borehole completed at 1.6mbgl due to stiff clay.				-
LOCATION / NOTES: NVO = No visual or olfactory evidence of contamination LEGEND Disturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table Perched Water Table Perched Water Table Perched Water Table Perched Water Table Location: Whitehaven Cumbria Dirawn: AF Ref. AFML/420 Scalue: as shown Jubo Not 44557-021-420						_]
3.0 _ 3.0 _ 3.0 _ 3.5 _						2.0_						2.0_
3.0 _ 3.0 _ 3.0 _ 3.5 _						-						-
3.0 _ 3.0 _ 3.0 _ 3.5 _						-						▎┤
3.0 _ 3.0 _ 3.0 _ 3.5 _						_]
3.5 _ 3.5 _						2.5_						2.5_
3.5 _ 3.5 _						-						-
3.5 _ 3.5 _						-						╽╶┨
3.5 _ 3.5 _						_]
LEGEND NVO = No visual or olfactory evidence of contamination LEGEND Disturbed Sample Undisturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table Perched Water Table BOREHOLE LOG Job Title: Phase II Soil & Groundwater Investigation Location: Whitehaven, Cumbria Client: Rhodia App'd: JM Date: OCT 2001 Drawn: AF Scale: as shown Job No: 44557-021-420						3.0_						3.0_
LEGEND NVO = No visual or olfactory evidence of contamination LEGEND Disturbed Sample Undisturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table Perched Water Table BOREHOLE LOG Job Title: Phase II Soil & Groundwater Investigation Location: Whitehaven, Cumbria Client: Rhodia App'd: JM Date: OCT 2001 Drawn: AF Scale: as shown Job No: 44557-021-420						-						-
LEGEND NVO = No visual or olfactory evidence of contamination LEGEND Disturbed Sample Undisturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table Perched Water Table BOREHOLE LOG Job Title: Phase II Soil & Groundwater Investigation Location: Whitehaven, Cumbria Client: Rhodia App'd: JM Date: OCT 2001 Drawn: AF Scale: as shown Job No: 44557-021-420						-	1					
LEGEND NVO = No visual or olfactory evidence of contamination LEGEND Disturbed Sample Undisturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table Perched Water Table BOREHOLE LOG Job Title: Phase II Soil & Groundwater Investigation Location: Whitehaven, Cumbria Client: Rhodia App'd: JM Date: OCT 2001 Drawn: AF Scale: as shown Job No: 44557-021-420						_]
LEGEND NVO = No visual or olfactory evidence of contamination LEGEND Disturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table Perched Water Table Perched Water Table BOREHOLE LOG Job Title: Phase II Soil & Groundwater Investigation Location: Whitehaven, Cumbria Client: Rhodia App'd: JM Date: OCT 2001 Drawn: AF Ref: AF/ML/420 Scale: as shown Job No: 44557-021-420						3.5_						3.5_
LEGEND NVO = No visual or olfactory evidence of contamination LEGEND Disturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table Perched Water Table Perched Water Table BOREHOLE LOG Job Title: Phase II Soil & Groundwater Investigation Location: Whitehaven, Cumbria Client: Rhodia App'd: JM Date: OCT 2001 Drawn: AF Ref: AF/ML/420 Scale: as shown Job No: 44557-021-420						-						-
LEGEND NVO = No visual or olfactory evidence of contamination LEGEND Disturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table Perched Water Table Perched Water Table BOREHOLE LOG Job Title: Phase II Soil & Groundwater Investigation Location: Whitehaven, Cumbria Client: Rhodia App'd: JM Date: OCT 2001 Drawn: AF Ref: AF/ML/420 Scale: as shown Job No: 44557-021-420						-						-
LEGEND NVO = No visual or olfactory evidence of contamination LEGEND Disturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table Perched Water Table Perched Water Table BOREHOLE LOG Job Title: Phase II Soil & Groundwater Investigation Location: Whitehaven, Cumbria Client: Rhodia App'd: JM Date: OCT 2001 Drawn: AF Ref: AF/ML/420 Scale: as shown Job No: 44557-021-420						_						
NVO = No visual or olfactory evidence of contamination Disturbed Sample Undisturbed Sample Location: Whitehaven, Cumbria Client: Rhodia App'd: JM Date: OCT 2001 Drawn: AF Ref: AF/ML/420 Scale: as shown Job No: 44557-021-420						4.0_						4.0_
NVO = No visual or olfactory evidence of contamination Disturbed Sample Undisturbed Sample Location: Whitehaven, Cumbria Client: Rhodia App'd: JM Date: OCT 2001 Drawn: AF Ref: AF/ML/420 Scale: as shown Job No: 44557-021-420		OCATION /	NOT	ES:				<u>LEGEND</u>	BOREHO	LE L	OG	┶┤
Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table Perched Water Table Location: Whitehaven, Cumbria Client: Rhodia App'd: JM Date: OCT 2001 Drawn : AF Ref: AF/ML/420 Scale: as shown Job No: 44557-021-420	NVO = No	visual or olfac			9			M. Disturbed Counts				
Down Borehole Analysis Groundwater Table Perched Water Table Down Borehole Analysis App'd: JM Date: OCT 2001 Drawn : AF Ref: AF/ML/420 Scale: as shown Job No: 44557-021-420								Undisturbed Sample Location: Whiteh.	aven,Cumbria			
Groundwater Table Perched Water Table Drawn : AF Ref: AF/ML/420 Scale: as shown Job No: 44557-021-420								-	T			
Perched Water Table												
₩ Perched water rable									Scale			21-420
								Perched Water Table				

z	SAMPLE	TYPE TYPE	, III	œ			BOREHOLE NUMBER: WS 133		PAGE 1 OF 1	
BOREHOLE CONSTRUCTION		\dashv		4TEI		-	DRILLING DATES: 14/9/01	DRILLING MET	L THODS : Window Sa	mple
BOREHOLE	<u>~</u>		5	GROUNDWA	E	76	DRILLER : GRL		AMETER : 50mm	
SOR ISTI	NUMBER		,		DEPTH (m)	3EOLOGY	LOGGED BY : ML	1	& DIAM: uPVC 35n	nm
) S	IYP!	5	GR	ᆸ	GE(CHECKED BY : JM	SCREEN SLOT	Γ SIZE: 2mm	
		\vdash		\prod_{α}	$\frac{1}{0}$		DESCRIPTION	1	COMMENTS	0.0
					°	\otimes	MADE GROUND: Loose light grey medium grathardcore.	vel of limestone	Dry,NVO	
	0.2-0.5m- Asbestos, TPH	*0.9		0	5_		MADE GROUND: Loose black gravelly ash with medium/coarse black sand, blackfine gravel of occasional black clay and rare fine sand and memudstone.	coal and black ash,	Dry,NVO	0.5_
				1	0 - 0		MADE GROUND: Soft dark brown/grey reworke fine black gravel of coal and mudstone and rare mottling, silt and medium.coarse sand.	brown/orange	Dry,NVO	1.0_
				1	5_		MADEGROUND: Loose light brown and black g much black fine gravel of coal and ash and som light brown and black sand. 1.5-1.6m-dense friable light orange brick.			- - - 1.5
	2.0				0 20 0		MADE GROUND: Loose light grey coarse sand black fine gravel of coal and fine light brown/gre fine/medium sand. MADEGROUND: Very soft dark brown silty rew occasional coarse sand and fine gravel. MADE GROUND: Medium dense light brown ar	ey gravel and rare orked clay with ond black granular fill	Dry,NVO Slightly damp, black staining & slight hydrocarbon odour.	2.0 —
	0.9				5_		with much light brown and orange coarse sand, gravel of coal and medium/coarse gravel of mucoccasional light orange fine gravel of brick and reworked clay.	dstone and coal and	ck	- 2.5_ - -
				3	o		becoming with numerous fine black gravel of comedium coarse gravel of coal, light orange med fragments and rare fine sand and light brown classifications. Borehole completed at 3.0mbgl due to obstruction	lium/coarse brick ay.	Damp/wet, NVO	3.0
				3	5_		Collapsed to 2.6mbgl.			3.5
				4	0_					4.0_
	I _OCATION /				\top		<u>LEGEND</u>	BOREHO	LE LOG	
	visual or olfac ontamination	tory evid	ence				Disturbed Sample Job Title: Phase	Il Soil & Groundwater Inve		
							Undisturbed Sample Location: Whiteh	aven,Cumbria		
							Headspace Analysis Client: Rhodia	App'd	: JM Date: OCT 2001	
							Down Borehole Analysis Groundwater Table	Drawn		-
							✓ Perched Water Table	Scale	: as shown)21-420
							79.1	Drg. S	Size: A4 BOREHOLE	LOG

z	SAMPLE		SOIL VAPOUR (ppm)	2			BOREHOLE NUMBER: WS 134		PAG	GE 1 OF 1	
BOREHOLE CONSTRUCTION		П	JR.(GROUNDWATER			DRILLING DATES: 14/9/01	DRILLING MET		: · Window Sa	mnle
L SHO	~		POL	<u>//</u>	(m)	} }	DRILLER : GRL	BOREHOLE DI			Пріс
ORE	BEF		≶.	N	TH (ΓO	LOGGED BY : ML	SCREEN TYPE			
NO B	NUMBER	TYPE	JO II	3RO	DEРТН (m)	GEOLOGY	CHECKED BY : JM	SCREEN SLOT			
		\Box	<i>O</i>)	10				OCKEEK GEG		COMMENTS	
********					0.0_	XXX	DESCRIPTION MADE GROUND: Loose limestone hardcore wi	th some groop		CIVIIVILIVIS	0.0
					-	\bowtie	cobbles of sandstone, brick and concrete.	ur some green			
					-		MADE GROUND: Loose dark grey/black slightly with rare rounded and subangular gravel (<2cm			Dry,NVO	
	0.4-0.6m- Asbestos, PSB's,	X			0.5_	\boxtimes	MADE GROUND: Loose black ashy silty fill with inclusions and rare sandstone, yellow/white grapieces (>2cm).	n some very fine sar vel and concrete	nd	Dry,NVO	0.5_
	Metals				-	\otimes	MADE GROUND: Medium dense black ashy fill fine sand and rare orange/yellow cobbles of sar	with some silt and ndstone, concrete		Slightly damp, NVO	-
					- 1.0	$\otimes\!\!\!\otimes$	and brick fragments.				1.0
					1.0_		Borehole completed at 1.0mbgl due to refusal.				1.0
					-						
					-						
					1.5_						1.5
					-						
					-						
					-						
					2.0_						2.0
					-						
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					-						-
					2.5_						2.5_
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					3.0_						3.0_
					3.0_						3.0
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					-						╽╶┨
					3.5_						3.5
					-						4
					-						-
					-						
					4.0_						4.0
	OCATION .	<u> </u>	TES:	1		I	LEGEND	BOREHO	LE I	OG.	
NVO = No	visual or olfac			е			M. Distante d Consults	Il Soil & Groundwater Inve			
							Undisturbed Sample Location: White	naven,Cumbria			
							★ Headspace Analysis Client: Rhodia		I- IN4	Date: OCT 0001	
							Down Borehole Analysis Groundwater Table	App'd	n : AF	Date: OCT 2001 Ref: AF/ML/420	
							Perched Water Table	Scale	: as show	n Job No: 44557-0	
							-T-	Drg. S	Size: A4	BOREHOLE	LOG

7	SAMPLE		SOIL VAPOUR (ppm)	~			BOREHOLE NUMBER: WS 134a		PA	GE 1 OF 1	
BOREHOLE CONSTRUCTION		Н	Я. Э	TER				DDILLING ME		C . Window Sa	mnlo
I C.C.	~		PQ.	GROUNDWA ⁷	æ	>	DRILLING DATES: 26/9/01 DRILLER: GRL	BOREHOLE D		S : Window Sa	ilibie
DRE STR	BEF		₹	N	E	0	LOGGED BY : ML	SCREEN TYP			
O B S	NUMBER	TYPE	O	RO	DEРТН (m)	GEOLOGY	CHECKED BY : JM	SCREEN SLO			
0	Z	H	S	Ю		σ		3CINLLIN SLO			
XXXXXXXX					0.0_	XXX	DESCRIPTION MADE CROUNDED accordance description			COMMENTS	0.0
					- - -		MADE GROUND: Loose/medium dense grey at gravel of limestone with much fine gravel of lime brown coarse sand and rare light brown clay. MADE GROUND: Medium dense/dense black a	estone, some light	ir 	Dry,NVO Dry,NVO	- - -
	0.5-1.0m- PCB's,PSD				0.5_		gravel of ash and coal with frequent dark grey n occasional light grey ash, dark grey fine gravel of orange iron mottling and rare light orange fine g	nudstone flints, of mudstone and		,	0.5
					1.0 - - - 1.5						1.0
							MADE GROUND: Loose light grey powdered as fine gravelly ash and dark grey fine gravel of mu grey medium gravel of limestone.			Dry,NVO	1.5
	Borehole completed at 2.0mbgl due to obstruction.									-	
					2.5_						2.5_
					3.0						3.0
					3.5_ - - -						3.5
					4.0_						4.0_
<u> </u>	OCATION /		TEC:				LECEND	DODEILO	יפוד	I O C	
NVO = No	OCATION / visual or olfac			Э			LEGEND Disturbed Sample Job Title: Phase	BOREHO Il Soil & Groundwater Inve			-
of co	ontamination						Undisturbed Sample Location: Whiteh		JougaliUl	•	
							★ Headspace Analysis Client: Rhodia	avon, oumbna			
							Down Borehole Analysis		d: JM	Date: OCT 2001	
							Groundwater Table		n : AF	Ref: AF/ML/420	
							Perched Water Table	Scale	e: as sho Size: A4	wn Job No: 44557-0 BOREHOLE	
								Dig.	JILO. A4	BOREHOLE	

MADE GROUND: Dark brown silt with occasional subrounded gravel. Organic rich. O.3-0.5m O.5- Shale and coal with occasional brick and sandstone. Refusal at 0.6m on concrete.	z	SAMPLE	<u>:</u>	(mdd)	<u>K</u>			BOREHOLE NUMBER: WS406	6		PAG	E 1 of 1	
DESCRIPTION MADE GROUND: Reinforced concrete. MADE GROUND: Dark brown silt with occasional subrounded gravel. Organic rich. Shale and coal with occasional brick and sandstone. Refusal at 0.6m on concrete.	빌		П	UR.	ATE			DRILLING DATES: 24/3/05		DRILLING N	METHODS : \	Window sam	oler
DESCRIPTION MADE GROUND: Reinforced concrete. MADE GROUND: Dark brown silt with occasional subrounded gravel. Organic rich. Shale and coal with occasional brick and sandstone. Refusal at 0.6m on concrete.	SHE SHE			PO	M	Œ	≿						
DESCRIPTION MADE GROUND: Reinforced concrete. MADE GROUND: Dark brown silt with occasional subrounded gravel. Organic rich. Shale and coal with occasional brick and sandstone. Refusal at 0.6m on concrete.	ORI	NUMBER	اسا	>		Ē	ğ			SCREEN T	YPE & DIAM	: HDPE 50mr	n
DESCRIPTION MADE GROUND: Reinforced concrete. MADE GROUND: Dark brown silt with occasional subrounded gravel. Organic rich. Shale and coal with occasional brick and sandstone. Refusal at 0.6m on concrete.	NO NO		Ы	SOIL	3RO	Œ	ЗЕО	CHECKED BY : LCH		SCREEN SI	OT SIZE: 2	mm	
MADE GROUND: Reinforced concrete. MADE GROUND: Dark brown slit with occasional subrounded gravel. Organic rich. Shale and coal with occasional brick and sandstone. Refusal at 0.6m on concrete.			╫		++			DESCRIP	 PTION			COMMENTS	
0.3-0.5m 0.3-0.5m 0.5-						0.0_	$\times\!\!\times\!\!\times$						0.0
2.0— 2.5— 3.5— 3.5— 4.0— 4.0— 4.0— 4.0— 4.0— 4.0— 4.0— 4.0		0.3-0.5m				- - 0.5_			h occasional	subrounded	t	Dry, NVO	0.5
1.0 — 1.5 — 2.5 — 2.5 — 2.5 — 3.5 —	XXXXXX					-	XXX	Shale and coal with occasional brick	and sandsto	ne.		,	
						_		Refusal at 0.6m on concrete.			/		
2.0						1.0							1.0
2.0						_							
2.0						_							
2.5— 2.5— 3.0— 3.5— 4.0— 4.0—						1.5_							1.5_
2.5— 2.5— 3.0— 3.5— 4.0— 4.0—						_							
2.5— 2.5— 3.0— 3.5— 4.0— 4.0—						_							
3.0_ 3.5_ 3.5_ 4.0_ 4.0_ 4.0_ 4.0_ 4.0_ 4.0_ 4.0_ 4.0						2.0_							2.0
3.0_ 3.5_ 3.5_ 4.0_ 4.0_ 4.0_ 4.0_ 4.0_ 4.0_ 4.0_ 4.0						-							-
3.0_ 3.5_ 3.5_ 4.0_ 4.0_ 4.0_ 4.0_ 4.0_ 4.0_ 4.0_ 4.0													
3.5—						2.5_							2.5_
3.5—						_							
3.5						3.0							3.0
						-							
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						- 3.5_							3.5_
						-							
						_							
4.5						4.0_							4.0
						-							=
						-							
						- 4.5_							4.5
						-							
						_							
5.0_						5.0_							5.0_
LOCATION / NOTES: LECEND PODEMOLE LOC		OCATION	/ NC	TEC:		$\overline{}$		LECEND		DODEI	IOLEI	00	\Box
LOCATION / NOTES: NVO = No visual or olfactory evidence of contamination LEGEND Disturbed Sample Disturbed Sample Disturbed Sample	NVO = No	visual or olfa	ctory	evidence	е			M 5: 1 10 1	b Title: Phase II I				-
Undisturbed Sample	of contamination No groundwater encountered							Lindiaturibad Careria					
★ Headspace Analysis Client: Rhodia	- 52							★ Headspace Analysis		-			
Down Borehole Analysis App'd: NA Date: 07/04/05 Date: 07/04/05								Down Borehole Analysis					\dashv
Groundwater Table Groundwater Table Groundwater Table Drawn : NA Ref: NA Scale: NA Job No: 44319623								Groundwater Table	UK				323
Perched Water Table Perched Water Table Drg. Size: NA BOREHOLE LC								Perched Water Table					

Z	SAMPLE	:	SOIL VAPOUR (ppm)	2			BOREHOLE NUMBER: WS420		PAGE	1 of 1	
BOREHOLE CONSTRUCTION		П	UR	ATE			DRILLING DATES: 31/3/05	DRILLING METH	ODS : W	/indow samp	ler
EHC			PO		(E)	GΥ	DRILLER : GPS	BOREHOLE DIA	METER :	100mm	
SOR	NUMBER	اسا	>		Ť	CO	LOGGED BY : PR	SCREEN TYPE 8	k DIAM: H	HDPE 50mm	1
COB		ΙΥΡΙ	SOII	GROUNDWA'	DEPTH (m)	GEOLOGY	CHECKED BY : LCH	SCREEN SLOT S	SIZE: 2m	ım	
				11,	0.0_		DESCRIPTION	1	C	OMMENTS	0.0
					- -	$\overset{\otimes}{\otimes}$	MADE GROUND: Light grey, medium-coarse a pale orange silty clay matrix.	ngular gravel with a	X	Ory, NVO	
					- - 0.5	\bowtie	MADE GROUND: Dark grey sand with medium subrounded gravel.	subangular-		ory, NVO	0.5_
					- -	\otimes	MADE GROUND:Light grey pink medium-coars limestone with a sity sand matrix.	e angular gravel of	/		-
					-	\bowtie	Becoming darker grey and more oganic rich.		/ -	Ory, NVO	1 1
				,	1.0 <u> </u>	\bowtie	MADE GROUND: Stiff, red brown silty clay with gravel of ash and grey/orange sandstone. Grav subrounded.	occasional fine el is rounded to			1.0
₩₩₩					-	$\otimes\!$			\mathcal{X}		
	4.5	NA			- 1.5	\bowtie	\Sandstone gravel more frequent. MADE GROUND: Soft, dark brown silty clay with	h occasional fine	_/ _	D NIV/O	1.5_
	1.5m	X			-	XXX	gravel of ash and orange mottling.		_//'	Ory, NVO	'.5-
					-		MADE GROUND: Very soft black organic rich o	lay.	_1		
					- 2.0						2.0
					-						╽╶┧
					-						1 7
					2.5 <u> </u>						2.5
					-						
					-						\vdash
					3.0_						3.0_
					-						
					-						
					3.5 <u> </u>						3.5_
					-						
					-						
					4.0 <u> </u>						4.0 —
					-						
					- 4.5_						- 4.5_
					-						
					-						
					- - 5.0						5.0
					_						
	OCATION visual or olfa			е.			LEGEND	BOREHO	LE LC	OG	
	ontamination	2.01 y		-			I Indiaturhad Campla	II Investigations and Envir			
No ground	water encoun	itere	d				★ Headspace Analysis Client: Rhodia	rmer Albright and Wilson \	Works, White	ehaven, Cumbria	
							Down Borehole Analysis	App'd	: NA	Date: 07/04/05	
							Groundwater Table	Draw	n : NA	Ref: NA	
							Perched Water Table		: NA Size: NA	Job No: 4431962 BOREHOLE	
							ı		-	1	

Z	SAMPLE	-	SOIL VAPOUR (ppm)	2			BOREHOLE NUMBER: TP505			PAGE	1 of 1	
BOREHOLE CONSTRUCTION			Ä	GROUNDWATER			DRILLING DATES: 24/3/05	DRILLING	METHO	DS : Ba	ack hoe exca	avator
RUC			APC		Œ	[ك	DRILLER : Hewden Hire	BOREHOL	E DIAME	TER:	NA	
SOR	NUMBER	ш	>		Ĭ) [LOGGED BY : PM	SCREEN 1	YPE & D	IAM: N	۱A	
CO		TYPE	SOII	GRO	DEPTH (m)	GEOLOGY	CHECKED BY : LCH	SCREEN S	SLOT SIZ	E: NA		
					0.0_		DESCRIPTION	•		CC	OMMENTS	0.0
	0.3m	X	* 0		- - - 0.5		MADE GROUND: Grass surface cover. Brov angular gravel of limestone, rubble and occas	vn silty sand wi ional red brick	ith cobbles		Ory, NVO	0.5
			* 0		1.0		MADE GROUND: Brown, firm, sandy clay (repink mottling and black fleks of shale, commo gravel, sometimes loose. Occasional boulds sandstone.	n angular-roun	ded		Ory, NVO	1.0
					1.5_ - - -						Ory, NVO	1.5 - - -
			* 0		2.0 _		Drown Jacob van condu CLAV with ground	Cond in fine me	adi. ma		Ory, NVO	2.0
	* 0						Brown, loose, very sandy CLAY with gravel. Sand gravel is mostly fine-medium with some consubrounded-rounded.	oarse gravel.	Gravel is	3		2.5
	* 0						Chiff beauty Van conductional white grant all CIA	V (DOLLI DED	01.43/			3.0
					3.5 -		Stiff, brown, Very sandy, slightly gravelly CLA Gravel is mostly fine-medium and anguar to reboulders of sandstone and granite. Bedrock or large boulders at 3.6m End of Borehole					3.5
					4.0		Life of Boreliole					4.0
					4.5 - 4.5							4.5_
					5.0 -							5.0
NVO = No	OCATION visual or olfa	/ No	OTES: y evidenc	e			LEGEND Disturbed Sample Job Title: Pha	BORE				
of contamination No groundwater encountered							I Indiaturbed Comple	e II Investigations a Former Albright and				
INO groundwater encountered							★ Headspace Analysis Client: Rhodia			,	,	
							Down Borehole Analysis		App'd: N	A	Date: 07/04/05	
							Groundwater Table	RS	Drawn :		Ref: NA	
							Perched Water Table		Scale: N		Job No: 4431962 BOREHOLE	
							L		19. 0.20	11/1		

7	SAMPLE	=	SOIL VAPOUR (ppm)				BOREHOLE NUMBER: TP506			PAGE	1 of 1	
BOREHOLE		Т	교	GROUNDWATER	į		DRILLING DATES: 24/3/05	DDILL	INC METH	ODC - D	ack hoe exc	oveter
IQ HO			S	M M	E E	<u></u>	DRILLER: Hewden Hire		HOLE DIA			avator
)RE STR	NUMBER		\	K	E E	00	LOGGED BY : PM		EN TYPE 8			
BC		TYPE		301	DEPTH (m)	SEOLOGY						
ŏ		F	S	Ū		ਯ	CHECKED BY : LCH	SCRE	EN SLOT S			
					0.0_	~~~	DESCRIPTION			C	OMMENTS	0.0
					-	$\otimes\!\!\!\otimes$	MADE GROUND: Grass surface cover.	Sandy clay top	soil.			
	0.3m		* 0				MADE GROUND: Loose, black, silty, gra boulders of black mudstone. Metal pipes common. Sand is medium-fine. Gravel i angular-rounded.	s and pieces of	metal		Dry, NVO Dry, NVO	0.5_
			* 0		- - 1.5_	***	Soft, brown sandy CLAY with occassiona	al coal fragmen	ts.	$\frac{1}{2}$		1.5_
			* 0		2.0_		Gravel common. Gravel is angular-round coarse	ded and varies	from fine-			2.0_
					-		Cobbles (up to 13cm) at 2.3m					
			* 0		2.5_							2.5
							Very gravelly and loose at 2.9m					3.0
	* 0										Moist. NVO	3.5_
					-							
	5.0-						End of Boreh	hole				5.0
<u> </u>	OCATION	/ N	OTES:				<u>LEGEND</u>	ВО	REHO	LE L	OG	
	visual or olfa ontamination		y evidend	Э				le: Phase II Investiga	ions and Envir	onmental a	ssessments.	
No groundwater encountered								on: The Former Albrig	ht and Wilson \	Works, Whi	tehaven, Cumbria	
							Headspace Analysis Client: F	Rhodia	1.		Tp. (
							Down Borehole Analysis		App'd		Date: 07/04/05	\dashv
							Groundwater Table	JRS	Drawi		Ref: NA	
							Perched Water Table			: NA Size: NA	Job No: 4431962 BOREHOLE	
							L					

NO	SAMPLE		SOIL VAPOUR (ppm)	3			BOREHOLE NUMBER: TP507		F	PAGE 1 of 1	
BOREHOLE CONSTRUCTION			J Ä	GROUNDWATER			DRILLING DATES: 24/3/05	DRILLING	METHOD	S : Back hoe ex	cavator
RUCEH) PO		(E)	GY [DRILLER: Hewden Hire	BOREHO	LE DIAME	TER : NA	
SOR	NUMBER	ш	>		Ĭ) 	LOGGED BY : PM	SCREEN	TYPE & D	IAM: NA	
COB		TYPE	SOII	GRO	DEPTH (m)	GEOLOGY	CHECKED BY : LCH	SCREEN	SLOT SIZI	E: NA	
					0.0_		DESCRIPTION	l		COMMENTS	5 0.0
					- -	\bowtie	MADE GROUND: Grass surface cover. Cla coarse gravel.	yey sand with c	common		
	0.3m	X	* 0		0.5_	\bowtie	MADE GROUND: Brown, silty sand and gra and boulders of red brick and concrete. Sa medium-coarse and angular.			Dry, NVO	0.5
					_	\bowtie	MADE GROUND: Stiff, orange brown, sligh	ly sandy clay (re	eworked).	7]
			* 0		-	$\otimes\!\!\!\otimes$	MADE GROUND: loose black sand (probat	ly coal).			
					1.0		MADE GROUND: Loose, dark grey sand wi cobbles of rubble.	th orange mottli	ng and		1.0
			* 0		1.5_ - -	<u> </u>	Soft-firm, occasionally loose, orange brown CLAY with gravel. Gravel is fine-coarse.	with pink mottlir	ng, sandy	,	1.5
			0		2.0_						2.0_
					2.5_		Gravel and cobbles of sandstone very freq	uent at 2.8m.			2.5_
					3.0_						3.0_
			* 0		- - -						-
			* 0		3.5		Black staining at 4.0-4.2m				3.5
			* 0		4.0					Moist, NVO	4.0
					4.5 - 4.5		End of Borehol	е			4.5 - - -
					5.0 - 5.0						5.0_
N\/O = N=	LOCATION / NOTES:						LEGEND	E LOG			
of c	/O = No visual or olfactory evidence of contamination						I Indiaturhad Cample	nase II Investigations			
No ground	water encoun	tere	ed				 ★ Headspace Analysis 	-	u vviison vvori	ks, Whitehaven, Cumbri	a
							Down Borehole Analysis		App'd: NA	Date: 07/04/0	5
							Groundwater Table	RS	Drawn : N		
							Perched Water Table		Scale: NA		
							-		Drg. Size	: NA BOREHO	LE LUG

Z	SAMPLE	:	SOIL VAPOUR (ppm)	2	1		BOREHOLE NUMBER: TP508		PAGE	1 of 1			
BOREHOLE			Ä	'ATE			DRILLING DATES: 24/3/05	DRILLING METH	ODS : B	ack hoe exca	avator		
EHC RUC			\PO	GROUNDW	Œ	ĞΥ	DRILLER : Hewden Hire	BOREHOLE DIAI	METER :	NA			
30R	NUMBER	ĺщ	*>		DEPTH (m)	SEOLOGY	LOGGED BY : PM	SCREEN TYPE 8	k DIAM: I	NA			
l "Q		TYPE	SOL	GR	DEF	GEC	CHECKED BY : LCH	SCREEN SLOT S	SIZE: NA	ZE: NA			
<u></u>				\dagger	0.0_		DESCRIPTION		C	COMMENTS			
					-	\bowtie	MADE GROUND: Reinforced concrete.				0.0		
		L			-	XX	MADE GROUND: Hardcore-angular gravel of lir	mestone up to 10cr	n.		=		
	0.4m	X	* 0		0.5_		MADE GROUND: loose, grey, fine-medium sand medium-coarse gravel.	d with common		Dry, NVO	0.5_		
			* 0		- -		MADE GROUND: Dark brown/black silty sand w gravel. Gravel varies from fine coarse. Occass	vith common angulional pieces of pipe	ar e.				
			* 0		1.0_	\bigotimes	MADE GROUND: Firm, orange brown, slightly s common gravel. Gravel is mostly fine-medium v coarse gravel.	sandy clay with with occassional		Refusal on	1.0_		
					1.5_					concrete at 1.25m	- 1.5_		
					2.0						2.0_		
					2.5						- - 2.5_		
					3.0						3.0		
					3.5_						- 3.5 - -		
					4.0						4.0 - -		
					4.5_						- 4.5_ -		
					5.0 -						- 5.0_		
NVO = No	OCATION / NOTES: visual or olfactory evidence						<u>LEGEND</u>	BOREHO	LE LO	OG			
	contamination						Lindisturbed Comple	II Investigations and Enviro					
No ground	o groundwater encountered						★ Headspace Analysis Client: Rhodia	rmer Albright and Wilson \	Works, Whit	tehaven, Cumbria			
							Down Borehole Analysis	App'd	: NA	Date: 07/04/05			
							Groundwater Table	Drawi	n : NA	Ref: NA			
							→ Perched Water Table	Codic		Job No: 4431962			
							=	Drg. S	Size: NA	BOREHOLE	LOG		

Z	SAMPLE		SOIL VAPOUR (ppm)	2			BOREHOLE NUMBER: TP525		PAG	E 1 of 1	
BOREHOLE CONSTRUCTION			UR (ATE			DRILLING DATES: 1/4/05	DRILLING ME	THODS :	Back hoe exc	avator
SHC 300			l g	M	Œ	ჯ	DRILLER : Hewden Hire	BOREHOLE D	IAMETER	R : NA	
ORI	NUMBER	ш	\$	S	Ŧ	Ď	LOGGED BY : PM	SCREEN TYP			
CON		TYPE	3011	GROUNDW	DEРТН (m)	SEOLOGY	CHECKED BY : LCH	SCREEN SLO	T SIZE: N	IA	
			0,	۲			DESCRIPTION		[(COMMENTS	
*********					0.0_	\otimes	MADE GROUND: Reinforced concrete				0.0
					-	$\otimes\!\!\!\otimes$					-
	0.3-0.5m	\bigvee	* 0		-	\bowtie					
					0.5_	\bowtie	MADE GROUND: Loose, coarse gravel with sil	Ity fine sand.		Dry, NVO	0.5
					-		MADE GROUND: Firm, brown, sandy clay with	gravel and		-	-
			* 0		-	$\otimes\!\!\!\otimes$	occasional black mottling. Gravel ranges from Occasional cobbles and rare pieces of concrete	fine to coarse. e.			
					1.0_	\bowtie				Dry, NVO	1.0
					-	\bowtie					
					-	\bowtie					
			* 0		1.5_	$\otimes\!\!\!\otimes$					1.5_
					-	$\otimes\!\!\!\otimes$					
					-	$\otimes\!\!\!\otimes$					-
			* 0		2.0_	\bowtie					2.0
					-	***	Stiff, brown sandy SILT with common gravel. (Gravel is fine to c	oarse	-	
					-	××	and angular to rounded. Common flecks of coa	al.		Dry, NVO	-
			* 0		2.5_	* * . *					2.5
					-	× ×					-
					-	× . ×					
					3.0_	× ×				_	3.0
					-		End of Borehole				-
					-						
					3.5_						3.5_
					3.5_						3.5
					-						
					4.0_						4.0
					-						-
					-						
					4.5_						4.5_
					-						
					-						
					5.0_						5.0_
		L									
NVO = No	OCATION / visual or olfa	/ No	<u>OTES:</u> y evidenc	е			LEGEND Disturbed Sample Job Title: Phase	BOREH			
of c	ontamination						I Indiaturbed Comple	Il Investigations and E			
No ground	water encoun	tere	ed				★ Headspace Analysis Client: Rhodia	ormer Albright and Wils	on Works, W	nitehaven, Cumbria	
							Down Borehole Analysis	A	op'd: NA	Date: 07/04/05	
								RS s	rawn : NA	Ref: NA	
							Perched Water Table		cale: NA rg. Size: NA	Job No: 4431962 BOREHOLE	
								Į Di	y. OIZE. NA	BONEHOLE	LUG

SAMPLE (wad) NUMBER	PAGE 1 of 1
DRILLING DATES: 7th March 2007 DRILL DRILLING DATES: 7th March 2007 DRILL DRILLING DATES: 7th March 2007 DRILL DRILLER: Joy Plant BORE LOGGED BY: ML SCRE CHECKED BY: ARD SCRE	LING METHODS : Trial Pitting
NUMBER NU	EHOLE DIAMETER : n/a
NUMBER NUMBER SCRE NUMBER NUMBER SOIT AAD SCRE LOGGED BY : ML SCRE CHECKED BY : ARD SCRE	EEN TYPE & DIAM: n/a
CHECKED BY : ARD SCRE	EEN SLOT SIZE: n/a
0.0 DESCRIPTION	COMMENTS 0.0
MADE GROUND. Grey - brown silt with frequency gravel and occassional brick fragments and r	uent Damp, NVO –
0.5m Leachate: United black gravely clay. Stained black railway sleepers and brick wall	n pockets
Cyanide, Orthophosphat e, Sulphate. WADE GROUND. Soft brown ashy silty clay wangular medium gravel, cobbles, and whole be	with
SVOCs) Soil: (Metals, Cyanide, Orthophosphat	1.0
e, Sulphate, VOCs, *0.0	
MADE GROUND. Firm red - brown mottled b	Damp, black staining -
MADE GROUND. Soft orange brown mottled clayey silt.	
Leachate: (pH, L	2.0_
TPH-CWG) Soil: (Cyanide, pH, TPH Refusal at 2.2m	
(ali/aro split),	2.5_
SVOCs)	
	3.0_
3.5	3.5_
	4.0
	4.5
	4.5—
	5.0_
	-
NVO = No visual or olfactory evidence	REHOLE LOG
of contamination Undisturbed Sample Job Title: Plots D,E,F,G, A &	C Site Investigations
Ground Level 87.889 mAOD Trial pit is backfilled with spoil Headspace Analysis Client: Rhodia	
Down Borehole Analysis	App'd: Date: 19/03/07
Groundwater Table	Drawn: LMB Ref: Plot A Scale: as shown Job No: 44320215
⊋ Perched Water Table	Drg. Size: A4 BOREHOLE LOG

z	SAMPLE		SOIL VAPOUR (ppm)	<u>~</u>			BOREHOLE NUMBER: TP632A		PAGE	1 of 1	
BOREHOLE CONSTRUCTION		П	JR (ATER	l		DRILLING DATES: 7th March 2007	DRILLING MET	HODS ·	Trial Pitting	
			PO	GROUNDWA'	Œ	ЗY	DRILLER : Joy Plant	BOREHOLE DIA			
SOR!	NUMBER	PE	∀	N	DEРТН (m)	GEOLOGY	LOGGED BY : ML	SCREEN TYPE			
^m 6		IZP	108	380)EP	зЕС	CHECKED BY : ARD	SCREEN SLOT	SIZE: n	/a	
				+			DESCRIPTION		CC	OMMENTS	
					0.0_	\boxtimes	MADE GROUND. Brown silt with grav	rel and rootlets.		Dry, NVO	0.0
	0.5m				-	$\otimes\!\!\!\otimes$	MADE GROUND. Brown - red - orang	je clayey silt witl	h	•	-
	Leachate: (Metals,				_	\bowtie	black ash, coal and timber fragments.				
	Cyanide, Sulphate,		*0.0		0.5_	$\otimes\!\!\!\otimes$					0.5_
	TPH-CWG,				-	\bowtie					-
	Soil: (Metals, Cyanide,				_	\bowtie					
	Sulphate, TPH (ali/aro split),			ā	1.0_	****	Firm to stiff red brown mottled grey cla	avev SILT with			1.0
	VOCs, SVOCs)				_	****	occassional fine to medium gravel and				-
					_	××××;					
	1.5m		*0.0		1.5_		Terminated at 1.5m.			Dry, NVO	1.5_
	Leachate: (pH) Soil: (pH)				-						-
	,				_						
					2.0_						2.0_
					-						
					_						
					2.5_						2.5_
					_						-
					_						
					3.0_						3.0_
					-						
					-						
					3.5_						3.5_
					-						
					-						
					4.0_						4.0 —
					_						
					- 4.5_						4.5_
					4.5 -						4.5
					-						
					- 5.0_						5.0_
					J.U_ -						3.0
	LOCATION / NOTES:					I	LEGEND	BOREHO	LE LO)G	
	visual or olfactoritation	ctory	eviden	се				D,E,F,G, A & C Site Investig			
	evel 87.804 m <i>A</i>						Undisturbed Sample Location: Whiteh	naven			
Trial pit is	backfilled with	spoil					★ Headspace AnalysisDown Borehole Analysis	App'd	l:	Date: 19/03/07	
									n : LMB	Ref: Plot A	
							□ Crownewater Faste □ Perched Water Table		as shown	Job No: 4432021	
							-	Drg. S	Size: A4	BOREHOLE	LOG

SAMPLE SAMPLE	{ : n/a	
	{ : n/a	
	: n/a	
	/a	
DESCRIPTION CC	OMMENTS	
MADE GROUND. Red - dark brown clayey silt with occassional black sand and gravel. Frequent brick fragments.	Damp, NVO Hydrogen sulphide and irfactant odour	0.0 — - - -
Leachate: MADE CROUND Plack condy silt with grovel and	NVO	0.5 <u> </u>
(Metals, Cyanide, pH, TPH-CWG, SVOCs) Soil: (Metals, 1.0		- - - 1.0_
I Cumida nu I I I I XXXI	Damp, NVO	-
1.5m Leachate: (Orthophospha te, TPH-CWG) Soil: (Cyanide		1.5_ - -
Orthophosphat brown clayey peat.		
e, TPH (ali/aro split), VOCs, SVOCs) Terminated at 1.9m.		2.0 _
		. 🖠
		- 2.5_
		2.5
		_ 3.0
		-
		- 3.5 <i>-</i>
		-
		-
		4.0
		-
4.5_		4.5
		-
5.0_		5.0
LOCATION (NOTES:	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	\Box
NVO = No visual or olfactory evidence of contemplation LEGEND Disturbed Sample Job Title: Plots D.E.E.G. A & C. Site Investigations)G	
Undisturbed Sample		
Ground Level 87.835 mAOD Trial pit is backfilled with spoil Headspace Analysis Client: Rhodia		
Down Borehole Analysis App'd:	Date: 19/03/07	
Groundwater Table Pershed Water Table Drawn : LMB Scale: as shown	Ref: Plot A Job No: 4432021	
Perched Water Table Perched Water Table Drg. Size: A4	BOREHOLE	

z	SAMPLE		SOIL VAPOUR (ppm)	EB			BOREHOLE NUMBER: TP634A		PA	GE 1 of 1		
BOREHOLE		П	ÙR (1		DRILLING DATES: 7th March 2007	DRILLING ME	THOD	S : Trial Pitting		
EHC BUC			APO	GROUNDWA ⁻	DEРТН (m)	g∖	DRILLER : Joy Plant	BOREHOLE D				
30R NST	NUMBER	PE	/\		표	SEOLOGY	LOGGED BY : VS	SCREEN TYPE	E & DI	AM: n/a		
			SOI	GR	DEF	GEC	CHECKED BY : ARD	SCREEN SLO	T SIZE	<u>7</u> E: n/a		
				\dagger	0.0_		DESCRIPTION			COMMENTS	0.0	
					-	\bowtie	MADE GROUND. Brown silt with co	arse gravel.		Dry Slight hydrogen		
					-	\bowtie	MADE GROUND. Cement.			sulphide odour		
	0.5m Leachate:		*0.0		0.5_		MADE GROUND. Dark brown ashy occassional cobbles and brick fragm	ents.		Dry, NVO NVO	0.5_	
	(Sulphate, TPH-CWG) Soil: (Sulphate,				- -		MADE GROUND. Red sandstone co staining.	bbles with some)	Wet, water has		
	TPH-CWG)			ā	1.0_	XX :===:	MADE GROUND. Black gravelly silt fragments of wood.	with cobbles and	<u>1</u>	oily sheen	1.0	
					-		Soft yellow - brown very silty CLAY.			Unknown odour	_	
					1.5_	:===: :===:					1.5_	
	1.8m		*0.0		- -						_	
	Leachate: (Metals, Cyanide, Orthophosphat				2.0_		Terminated at 1.85m, 0.2m of groun accumulated at the bottom of the tria				2.0	
	e, pH, TPH- CWG) Soil: (Metals,				- -						_	
	Cyanide, Orthophosphat e, pH, TPH				2.5_						2.5	
	(ali/aro split)				- -							
					3.0_						3.0	
					-							
					3.5_						3.5_	
					-						_	
					-							
					4.0 _						4.0	
					-							
					4.5_						4.5	
					-							
					5.0 <u> </u>						5.0	
	LOCATION / NOTES: NVO = No visual or olfactory evidence						<u>LEGEND</u>	BOREHO	LE I	LOG		
	ovisual or olfact contamination	tory	eviden	е				s D,E,F,G, A & C Site Investi	igations			
	evel 88.665 mA backfilled with	_	I				Undisturbed Sample Location: Whi ★ Headspace Analysis Client: Rhodia					
That pit is	Dackiiiieu Willi	shol	ı				Down Borehole Analysis	App'	d:	Date: 19/03/07		
								RS Draw	vn : LMB			
							Perched Water Table Perched Water Table		e: as sho			
							<u> </u>	Drg.	Size: A	BOREHOLE	LUG	

Z	SAMPLE	SOIL VAPOUR (ppm)	H.		BOREHOLE NUMBER: TP635A		PAGE 1 of 1	
BOREHOLE		J R	ATE		DRILLING DATES: 7th March 2007	DRILLING MET	HODS : Trial Pitting	
H XH		APO		Ğ√	DRILLER : Joy Plant	BOREHOLE DI		
NST	NUMBER		GROUNDWA DEPTH (m)	GEOLOGY	LOGGED BY : VS	SCREEN TYPE	& DIAM: n/a	
		SOI	GR	GE	CHECKED BY : ARD	SCREEN SLOT	ΓSIZE: n/a	
			0.0		DESCRIPTION		COMMENTS	0.0
			0.5		MADE GROUND. Red gravel.		NVO NVO	0.5
		*0.0			MADE GROUND. Black to dark brov coarse sub-angular thinly laminated			-
	1.0m Leachate: (Metals, Cyanide, Orthophosphat	0.0	1.0		MADE GROUND. Black - dark brown coarse sub-angular thinly laminated Occassional orange shale and brick	gravel of shale.	NVO	1.0 —
	e, TPH-CWG) Soil: (Metals, Cyanide, Orthophosphat e)		1.5					1.5 - -
		*0.0	2.0					2.0
		*0.0	포 2.5	- XXXXX	Red - brown slightly gravely clayey S black fine to coarse subangular of sh			2.5 — — — —
			3.0	- xxxxx				3.0
			3.5	- ×××× - ×××× - ×××× - ×××× - ×××× - ×××× - ××××				3.5
	3.9m Leachate: (Sulphate, pH, TPH-CWG) Soil: (Sulphate, pH,	*0.0	4.0	_	Terminated at 3.9, on red SANDSTC	DNE		4.0
	ТРН-CWG)		4.5	- - - -				4.5 — - -
			5.0	-				5.0 <u> </u>
	LOCATION / NOTES: NVO = No visual or olfactory evidence				LEGEND Disturbed Sample Job Title: Plot	BOREHO		
of c	contamination				Undisturbed Sample Undisturbed Sample Location: White	S D,E,F,G, A & C Site Investi	gations	
	evel 88.944 mAC backfilled with sp				★ Headspace Analysis Client: Rhodia			
	- '	-			Down Borehole Analysis	App'd	d: Date: 19/03/07	
					Groundwater Table		n: LMB Ref: Plot A	
					Perched Water Table		e: as shown Job No: 443202 Size: A4 BOREHOLE	
							- ATA SOLICIOE	

z	SAMPLE		SOIL VAPOUR (ppm)	ER			BOREHOLE NUMBER: TP636A		PAGI	E 1 of 1	
BOREHOLE		П	UR	lı .		-	DRILLING DATES: 8th March 2007	DRILLING MET	THODS	: Trial Pitting	
			۸PO	GROUNDWAT	Œ	Ğ√	DRILLER : Joy Plant	BOREHOLE DI			
30R NST	NUMBER	Щ	/ /		DEРТН (m)	GEOLOGY	LOGGED BY : VS	SCREEN TYPE	E & DIAI	M: n/a	
		TYP	SOI	GR		GE(CHECKED BY : ARD	SCREEN SLOT	T SIZE:	n/a	
					0.0_		DESCRIPTION		С	OMMENTS	0.0
					-		MADE GROUND. Brown - black ash fragments of plastic, wood and rootle	y gravelly silt wit	h	NVO NVO	0.0 =
	0.5m		*0.0		- - 0.5_		MADE GROUND. Black ashy gravel				0.5_
	Leachate: (Metals, Cyanide,				- -		MADE GROUND: Black angular gra mudstone cobbles.	vel of shale with			
	Orthophosphat e, pH, TPH-			<u>-</u>	-	\otimes				water has oily sheen	
	CWG) Soil: (Metals, Cyanide,				1.0_						1.0 —
	Orthophosphat e, pH, TPH- CWG, VOCs)				-	\otimes					
	GWG, VOOS)				1.5_ -						1.5_
	1.8m		*0.0		- -		Stiff red - brown very silty CLAY.				
	Leachate: (Sulphate, TPH-CWG,				2.0_		Terminated at 1.85m.				2.0_
	SVOCs) Soil:				- -	-					
	(Sulphate, TPH-CWG, SVOCs)				- - 2.5_	-					2.5_
					2.5 _						2.5 —
					-						
					3.0_						3.0
					-						
					- 3.5_						3.5_
					- -						
					- -						
					4.0_	-					4.0 —
					- -	-					
					4.5_						4.5_
					- -	-					
					- -	-					
					5.0_						5.0
NVO N	LOCATION /	NO	TES:	<u> </u>			<u>LEGEND</u>	BOREHO	LE L	OG	
	visual or olfac contamination	lory	eviderio	Je			I Indiaturhad Cample	s D,E,F,G, A & C Site Investi	igations		
	evel 87.862 mA backfilled with		il				Undisturbed Sample Location: Whi ★ Headspace Analysis Client: Rhodia				
That pit is	Sackinica Willi	SPO					Down Borehole Analysis	App'o	d:	Date: 19/03/07	
								RS Draw	vn : LMB	Ref: Plot A	
							□ Perched Water Table	Ocare	e: as shown		
							-	Drg.	Size: A4	BOREHOLE	LOG

Z	SAMPLE	SOIL VAPOUR (ppm)	æ		BOREHOLE NUMBER: TP637/	A	PAGE	1 of 1	
BOREHOLE		U.B.	ATE		DRILLING DATES: 7th March 2007	DRILLING ME	THODS :	Trial Pitting	
EE		O4	GROUNDWA ⁻ DEPTH (m)	Ğ	DRILLER : Joy Plant	BOREHOLE [
NST NST	NUMBER	, ,	GROUNDW DEPTH (m)	3EOLOGY	LOGGED BY : VS	SCREEN TYF	E & DIAM	: n/a	
		SOII	GR(DEF	GEC	CHECKED BY : ARD	SCREEN SLC	T SIZE: n	/a	
			0.0_		DESCRIPT	TON	CC	OMMENTS	0.0
				- - - -	MADE GROUND. Grass over r with occassional bricks.	red - grey gravelly silt			-
	0.5m Leachate:	*0.1	0.5_		MADE GROUND. Black gravel occassional re-bar.	lly silt with cobbles an	d		0.5_
	(Metals, Cyanide,	*0.1		\bowtie	MADE GROUND. Concrete.			Damp	
	Orthophosphat e, Sulphate, pH, TPH-		1.0_		MADE GROUND. Black ashy s fine to coarse sub-angular to so Occassional fragments of brick	ub-rounded gravel.	1	Damp	1.0
	CWG, SVOCs) Soil: (Metals, Cyanide,				MADE GROUND. Grey - dark I clayey sand with fragments of I	brown gravelly slightly brick. Gravel is fine to			- - -
	Orthophosphat e, Sulphate, pH, TPH- CWG, VOCs, SVOCs)	*0.1	1.5_		coarse sub-angular to sub-rour limestone and shale.	nded of sandstone,			1.5 - -
	,		2.0_		MADE GROUND. Firm red bro gravelly clay with frequent lime				2.0
		*0.1			occassional brick fragments. G rounded to sub-rounded of san shale.	Gravel is fine to mediu			
			2.5_		Silaic.				2.5 —
		*0.1	3.0_		Terminated at 2.8m on concret	te.			3.0
			3.5_	- -					3.5_
			3.3						3.5
			4.0_						4.0
			4.5_						4.5
				- - -					
			5.0_						5.0
	OCATION / N		ce		LEGEND M. Disturbed Sample	BOREHO)G	
of c	contamination	•			I Indiaturbad Campla	Title: Plots D,E,F,G, A & C Site Investige: Whitehaver	stigations		
	evel 88.545 mAC backfilled with s					ation: Whitehaven nt: Rhodia			
		1			Down Borehole Analysis	Арр	o'd:	Date: 19/03/07	
						URS Dra	wn : LMB	Ref: Plot A	
							ale: as shown	Job No: 443202	
				L		Drg	. Size: A4	POUSHOLE	LOG

Z	SAMPLE	SOIL VAPOUR (ppm)	æ		BOREHOLE NUMBER: TP638A		PAGE 1	1 of 1
BOREHOLE		H H	ATE	-	DRILLING DATES: 7th March 2007	DRILLING ME	THODS : T	rial Pitting
H H		PO	GROUNDWAT DEPTH (m)	₹	DRILLER : Joy Plant	BOREHOLE D		
NOS TSV	NUMBER	, >	GROUNDW DEPTH (m)	GEOLOGY	LOGGED BY : LB	SCREEN TYPE	E & DIAM:	n/a
		SOI	GRO	GE(CHECKED BY : ARD	SCREEN SLO	T SIZE: n/a	a
			+		DESCRIPTIO	 N	CO	MMENTS
			0.0_		MADE GROUND. Concrete with r			0.0_
			-		MADE GROUND. Grey medium t gravel.	o coarse angular		-
	0.6m Leachate: (Metals, Cyanide, Orthophosphat	*0.0	0.5_ - -		Firm to stiff red brown slightly san frequent fine to coarse sub-angula gravel and occassional sandstone	ar to sub-rounded		0.5
	e, Sulphate, pH, TPH- CWG, SVOCs) Soil: (Metals, Cyanide,		1.0_					1.0_
	Orthophosphat e, Sulphate, pH, TPH- CWG, VOCs, SVOCs)	*0.0	1.5_					1.5_ - - -
			2.0_					2.0 <u> </u>
		*0.0	2.5_					2.5 <u> </u>
			3.0_		Terminated at 3.2m.			3.0 <u> </u>
			3.5	- - - -				3.5 <u> </u>
			4.0	- - - -				4.0 <u>-</u> - - -
			4.5 _	- - - - -				4.5 <u> </u>
			5.0 <u>-</u>	-				5.0 <u> </u>
NVO = No	LOCATION / No visual or olfacto	OTES: ry evidenc	e		LEGEND Disturbed Sample Job Title:	BOREHO		G
of o	contamination				Indiaturbed Comple	Plots D,E,F,G, A & C Site Investi	igations	
	evel 84.218 mAO backfilled with sp				★ Headspace Analysis Client: RI	Whitehaven nodia		
	· · · · · · · · · · · · · · · · · ·				Down Borehole Analysis	App'	d:	Date: 19/03/07
					Groundwater Table			Ref: Plot A
					Perched Water Table	GCan		Job No: 44320215
				<u> </u>		Drg.	Size: A4	BOREHOLE LOG

z	SAMPLE	SOIL VAPOUR (ppm)	EB		BOREHOLE NUMBER: TP639A		PAGI	E 1 of 1	
BOREHOLE		- J - J - J - J - J - J - J - J - J - J	I ⊢I		DRILLING DATES: 7th March 2007	DRILLING MET	HODS.	· Trial Pitting	
 		O	GROUNDWA DEPTH (m)	>	DRILLER: Joy Plant	BOREHOLE DI			
ORI	NUMBER	<u>,</u> א	ROUNDW EPTH (m)	LO	LOGGED BY : LB	SCREEN TYPE			
			GRC	GEOLOGY	CHECKED BY : ARD	SCREEN SLOT			
\vdash	F	_	 	\vdash	DESCRIPTION			OMMENTS	
			0.0_	XXX	MADE GROUND. Concrete with re-	har			0.0
				\otimes	MADE GROUND. Grey coarse angu				-
			<u>-</u>	<u> </u>	MADE GROUND. Pale grey - pink c		_//		
	0.5m Leachate:	*0.0	0.5_	1333	\gravel.		_/		0.5_
	(Sulphate, pH, TPH-CWG)]			Firm to stiff red brown mottled orang	ge and grey sand	y		
	Soil: (Sulphate, pH,			#=== :	CLAY with frequent fine to coarse surrounded gravel and occassional pale) -		
	TPH-CWG, VOCs)	*0.0	1.0_	===	laminations.	3 ,	8	Sweet chemical odour (0-1m)	1.0_
								ododi (o-1111)	
									-
			1.5_]=== [===					1.5
				<u> </u>					
				+====					-
		*0.0	2.0_	1===					2.0
				1:::::::					
]===]					
			2.5_	===					2.5_
				₽ <u>₽₽₽</u>					-
			3.0_	-					3.0_
					Terminated at 3m.				-
				1					
			3.5_	-					3.5_
			3.5	1					3.5 —
				-					-
]					
			4.0_	1					4.0
				-					-
				1					
			4.5_	1					4.5 —
]					
			5.0_						5.0
NVO = No	LOCATION / No visual or olfactor	<u>NOTES:</u> ory evidenc	e		LEGEND Disturbed Sample Job Title: Plo	BOREHO		OG	
of c	contamination				Indiaturbed Comple	ts D,E,F,G, A & C Site Investig	gations		
	evel 84.596 mAC backfilled with s				 ★ Headspace Analysis Client: Rhoding				
	-20OG WILL O				Down Borehole Analysis	App'c	d:	Date: 19/03/07	
							n : LB	Ref: Plot A	
					Perched Water Table		e: as shown Size: A4	Job No: 4432021 BOREHOLE	
				I		15.9.	/ 17	1	

NUMBER	z	SAMPLE	(mdd)	EB			BOREHOLE NUMBER: TP640A		PAGE	1 of 1	
MADE GROUND. Concrete with re-bar. MADE GROUND. Grey coarse angular gravel. Firm to stiff red brown sandy CLAY with occassional pale grey sill bands and orange - brown fine to medium sand frequent fine to coarse sub-angular to sub-rounded gravel. 1.0 1.0 1.0 2.0 3.5 1.0 3.5 1.0 3.5 1.0 3.5 1.0 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3] 건 건						DRILLING DATES: 7th March 2007	DRILLING MET	HODS :	Trial Pitting	
MADE GROUND. Concrete with re-bar. MADE GROUND. Grey coarse angular gravel. Firm to stiff red brown sandy CLAY with occassional pale grey sill bands and orange - brown fine to medium sand frequent fine to coarse sub-angular to sub-rounded gravel. 1.0 1.0 1.0 2.0 3.5 1.0 3.5 1.0 3.5 1.0 3.5 1.0 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3			PO	MQ	(E)	ჯ					
MADE GROUND. Concrete with re-bar. MADE GROUND. Grey coarse angular gravel. Firm to stiff red brown sandy CLAY with occassional pale grey sill bands and orange - brown fine to medium sand frequent fine to coarse sub-angular to sub-rounded gravel. 1.0 1.0 1.0 2.0 3.5 1.0 3.5 1.0 3.5 1.0 3.5 1.0 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3	ORI	NUMBER	่ม ≯ี		Ŧ	LO					
MADE GROUND. Concrete with re-bar. MADE GROUND. Grey coarse angular gravel. Firm to stiff red brown sandy CLAY with occassional pale grey sill bands and orange - brown fine to medium sand frequent fine to coarse sub-angular to sub-rounded gravel. 1.0 1.0 1.0 2.0 3.5 1.0 3.5 1.0 3.5 1.0 3.5 1.0 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3	[®] €			380)EP	3EC	CHECKED BY : ARD	SCREEN SLOT	SIZE: r	ı/a	
MADE GROUND. Concrete with re-bar. MADE GROUND. Grey coarse angular gravel. Firm to stiff red brown sandy CLAY with occassional pale grey still bands and orange - brown fire to medium sand laminations and frequent fine to coarse sub-angular to sub-rounded gravel. 1.0 1.0 2.0 3.0 1.0 1.5 1.5 2.0 1.0 1.5 1.5 1.5 1.5 1.5 1.5 1	<u> </u>		, ,,,	+			DESCRIPTION		C	OMMENTS	
Firm to stiff red brown sandy CLAY with occassional part gray silt bands and orange - brown fine to coarse sub-angular to sub-rounded gravel. 1.0 1.0 1.5 1.5 2.0 2.0 3.0 3.0 3.0 3.0 3.0 3.0).0_ _	XXX		r.			0.0
Firm to stiff red brown sandy CLAY with occassional part gray silt bands and orange - brown fine to coarse sub-angular to sub-rounded gravel. 1.0 1.0 1.5 1.5 2.0 2.0 3.0 3.0 3.0 3.0 3.0 3.0					-	\bowtie	MADE GROUND, Grey coarse angula	r gravel			-
pale grey slit bands and orange - brown fine to coarse sub-angular to sub-rounded gravel. 1.0 1.0 1.0 1.0 1.0 1.0 2.0 2.					_					Dry, NVO	
sub-angular to sub-rounded gravel. 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1			*0.0).5 <u> </u>		pale grey silt bands and orange - brow	n fine to			0.5_
1.0					_	:===:	medium sand laminations and frequen	t fine to coarse	,		-
1.5					_		sub angular to sub rounded graver.				
4.0m Leachate: Terminated at 4.1m. 3.0 3.5 Terminated at 4.1m. Terminated at 4.1m. Disturbed Sample Headspace Analysis Cround Level 84.254mAOD Trial pit is backfilled with spoil Disturbed Sample Headspace Analysis Coundwater Table Down Borehole Analysis Groundwater Table Disturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table DIRECTION TOTES: Appl: Date: 1903.07 Disturbed Sample Headspace Analysis Down Borehole Analysis Consultation: Whitehaven Disturbed Sample Headspace Analysis Down Borehole Analysis Down Boreho					.0 <u> </u>						1.0_
4.0m Leachate: Terminated at 4.1m. 3.0 3.5 Terminated at 4.1m. Terminated at 4.1m. Disturbed Sample Headspace Analysis Cround Level 84.254mAOD Trial pit is backfilled with spoil Disturbed Sample Headspace Analysis Coundwater Table Down Borehole Analysis Groundwater Table Disturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table DIRECTION TOTES: Appl: Date: 1903.07 Disturbed Sample Headspace Analysis Down Borehole Analysis Consultation: Whitehaven Disturbed Sample Headspace Analysis Down Borehole Analysis Down Boreho					-	===					-
4.0m Leachate: Terminated at 4.1m. 3.0 3.5 Terminated at 4.1m. Terminated at 4.1m. Disturbed Sample Headspace Analysis Cround Level 84.254mAOD Trial pit is backfilled with spoil Disturbed Sample Headspace Analysis Coundwater Table Down Borehole Analysis Groundwater Table Disturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table DIRECTION TOTES: Appl: Date: 1903.07 Disturbed Sample Headspace Analysis Down Borehole Analysis Consultation: Whitehaven Disturbed Sample Headspace Analysis Down Borehole Analysis Down Boreho					_						
4.0m Laechate: (TPH-CWG, SVOCs) Soil: (TPH-CWG, SVOCs) SVOCs) NVO = No visual or offactory evidence of contamination Ground Level 84.254mAOD Trial pit is backfilled with spoil LEGEND Disturbed Sample Undisturbed Sample Undisturbed Sample Fleadspace Analysis Coround Level 84.254mAOD Trial pit is backfilled with spoil LOCATION / NOTES: NVO = No visual or offactory evidence of contamination Ground Level 84.254mAOD Trial pit is backfilled with spoil LOCATION / NOTES: NVO = No visual or offactory evidence of contamination Ground Level 84.254mAOD Trial pit is backfilled with spoil LOCATION / NOTES: NVO = No visual or offactory evidence of contamination Ground Level 84.254mAOD Trial pit is backfilled with spoil LOCATION / NOTES: NVO = No visual or offactory evidence of contamination Ground Level 84.254mAOD Trial pit is backfilled with spoil LOCATION / NOTES: NVO = No visual or offactory evidence of contamination Ground Level 84.254mAOD Trial pit is backfilled with spoil LOCATION / NOTES: NVO = No visual or offactory evidence of contamination Ground Level 84.254mAOD Trial pit is backfilled with spoil LOCATION / NOTES: NVO = No visual or offactory evidence of contamination Ground Level 84.254mAOD Trial pit is backfilled with spoil			*0.0		.5_	:===					1.5_
4.0m Laechate: (TPH-CWG, SVOCs) Soil: (TPH-CWG, SVOCs) SVOCs) NVO = No visual or offactory evidence of contamination Ground Level 84.254mAOD Trial pit is backfilled with spoil LEGEND Disturbed Sample Undisturbed Sample Undisturbed Sample Undisturbed Sample Fleadspace Analysis Coround Level 84.254mAOD Trial pit is backfilled with spoil Location: Whitehaven Client: Rhoda Appd: Date: 190307 Disturbed Sample Client: Rhoda Location: Whitehaven Client: Rhoda Disturbed Sample Client: Rhoda Disturbed Sample Undisturbed Sample					-	:===:					-
4.0m Laechate: (TPH-CWG, SVOCs) Soil: (TPH-CWG, SVOCs) SVOCs) NVO = No visual or offactory evidence of contamination Ground Level 84.254mAOD Trial pit is backfilled with spoil LEGEND Disturbed Sample Undisturbed Sample Undisturbed Sample Fleadspace Analysis Coround Level 84.254mAOD Trial pit is backfilled with spoil LOCATION / NOTES: NVO = No visual or offactory evidence of contamination Ground Level 84.254mAOD Trial pit is backfilled with spoil LOCATION / NOTES: NVO = No visual or offactory evidence of contamination Ground Level 84.254mAOD Trial pit is backfilled with spoil LOCATION / NOTES: NVO = No visual or offactory evidence of contamination Ground Level 84.254mAOD Trial pit is backfilled with spoil LOCATION / NOTES: NVO = No visual or offactory evidence of contamination Ground Level 84.254mAOD Trial pit is backfilled with spoil LOCATION / NOTES: NVO = No visual or offactory evidence of contamination Ground Level 84.254mAOD Trial pit is backfilled with spoil LOCATION / NOTES: NVO = No visual or offactory evidence of contamination Ground Level 84.254mAOD Trial pit is backfilled with spoil LOCATION / NOTES: NVO = No visual or offactory evidence of contamination Ground Level 84.254mAOD Trial pit is backfilled with spoil					_						
A.Om Leachate: (TPH-CWG, SVOCs) Soil: (TPH-CW					.0_ _						2.0_
A.Om Leachate: (TPH-CWG, SVOCs) Soil: (TPH-CW					_						-
A.Om Leachate: (TPH-CWG, SVOCs) Soil: (TPH-CW					-	:===:					
A.0m Leachate: (TPH-CWG, SVOCs) Soil: (TPH- CWG, VOCs, SVOCs) NVO = No visual or olfactory evidence of contamination Ground Level 84.254mAOD Trial pit is backfilled with spoil Terminated at 4.1m. BOREHOLE LOG Job Title: Plots D.E.F.G, A & C Site Investigations Location: Whitehaven Client: Rhodia Appd: Down Borehole Analysis Groundwater Table Porched Water Table Perched Water Table Terminated at 4.1m. At 0.— 4.0— 4.5—			*0.0		2.5_						2.5_
A.0m Leachate: (TPH-CWG, SVOCs) Soil: (TPH- CWG, VOCs, SVOCs) NVO = No visual or olfactory evidence of contamination Ground Level 84.254mAOD Trial pit is backfilled with spoil Terminated at 4.1m. LEGEND Disturbed Sample Undisturbed Sample Undisturbed Sample Some Development of Contamination Ground Level 84.254mAOD Trial pit is backfilled with spoil Down Borehole Analysis Forundwater Table Ferched Water Table Perched Water Table Perched Water Table Terminated at 4.1m. At 0.— 4.0— 4.0— 4.0— 4.0— 4.0— 4.0— 4.0—					_]
A.0m Leachate: (TPH-CWG, SVOCs) Soil: (TPH- CWG, VOCs, SVOCs) NVO = No visual or olfactory evidence of contamination Ground Level 84.254mAOD Trial pit is backfilled with spoil Terminated at 4.1m. LEGEND Disturbed Sample Undisturbed Sample Undisturbed Sample Some Development of Contamination Ground Level 84.254mAOD Trial pit is backfilled with spoil Down Borehole Analysis Forundwater Table Ferched Water Table Perched Water Table Perched Water Table Terminated at 4.1m. At 0.— 4.0— 4.0— 4.0— 4.0— 4.0— 4.0— 4.0—					-						
4.0m Leachate: (TPH-CWG, SVOCs) Soil: (TPH-CWG, VOCs, SVOCs) Soil: (TPH-CWG, VOCs) Soil:				3	3.0_						3.0_
4.0m Leachate: (TPH-CWG, SVOCs) Soil: (TPH-CWG, VOCs, SVOCs) Soil: (TPH-CWG, VOCs) Soil:					_	====					
4.0m Leachate: (TPH-CWG, SVOCs) Soil: (TPH-CWG, VOCs, SVOCs) Soil: (TPH-CWG, VOCs) Soil:					-	:===:					-
Leachate: (TPH-CWG, SVOCS) Soil: (TPH-CWG, VOCS, SVOCS) Soil: (TPH-CWG, VOCS) Soil: (TPH			*0.0	3	.5_						3.5_
Leachate: (TPH-CWG, SVOCS) Soil: (TPH-CWG, VOCS, SVOCS) Soil: (TPH-CWG, VOCS) Soil: (TPH					_	:===:					
Leachate: (TPH-CWG, SVOCS) Soil: (TPH-CWG, VOCS, SVOCS) Soil: (TPH-CWG, VOCS) Soil: (TPH					-	[- <u>-</u> -]					
Terminated at 4.1m. Terminated at 4.1m. Terminated at 4.1m.			\boxtimes		.0_	:===					4.0
Soil: (TPH-CWG, VOCs, SVOCs) LOCATION / NOTES: NVO = No visual or olfactory evidence of contamination Ground Level 84.254mAOD Trial pit is backfilled with spoil LEGEND Disturbed Sample Undisturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table Perched Water Table Perched Water Table		(TPH-CWG,			_		Terminated at 4.1m.				
LOCATION / NOTES: NVO = No visual or olfactory evidence of contamination Ground Level 84.254mAOD Trial pit is backfilled with spoil LEGEND Disturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table Perched Water Table VA.5 — 4.5 — 5.0 — 6.0 Disturbed Sample Undisturbed Sample Client: Rhodia App'd: Date: 19/03/07 Drawn: LMB Ref: Plot A Scale: as shown Job No: 44320215		Soil: (TPH-			-						
LOCATION / NOTES: NVO = No visual or olfactory evidence of contamination Ground Level 84.254mAOD Trial pit is backfilled with spoil LEGEND Disturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table Perched Water Table BOREHOLE LOG Job Title: Plots D,E,F,G, A & C Site Investigations Location: Whitehaven Client: Rhodia App'd: Date: 19/03/07 Drawn: LMB Ref: Plot A Scale: as shown Job No: 44320215				4	.5_						4.5
LOCATION / NOTES: NVO = No visual or olfactory evidence of contamination Ground Level 84.254mAOD Trial pit is backfilled with spoil LEGEND Disturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table Perched Water Table BOREHOLE LOG Job Title: Plots D,E,F,G, A & C Site Investigations Location: Whitehaven Client: Rhodia App'd: Date: 19/03/07 Drawn: LMB Ref: Plot A Scale: as shown Job No: 44320215					_						
LOCATION / NOTES: NVO = No visual or olfactory evidence of contamination Ground Level 84.254mAOD Trial pit is backfilled with spoil LEGEND Disturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table Perched Water Table BOREHOLE LOG Job Title: Plots D,E,F,G, A & C Site Investigations Location: Whitehaven Client: Rhodia App'd: Date: 19/03/07 Drawn: LMB Ref: Plot A Scale: as shown Job No: 44320215					_						
NVO = No visual or olfactory evidence of contamination Ground Level 84.254mAOD Trial pit is backfilled with spoil Disturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table Perched Water Table Disturbed Sample Undisturbed Sample Undisturbe				5	i.0_						5.0
NVO = No visual or olfactory evidence of contamination Ground Level 84.254mAOD Trial pit is backfilled with spoil Disturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table Perched Water Table Disturbed Sample Undisturbed Sample Undisturbe		0047161111	10===		_		1505115			- ~	
of contamination Ground Level 84.254mAOD Trial pit is backfilled with spoil Headspace Analysis Down Borehole Analysis Groundwater Table Perched Water Table Down Borehole Analysis Ferched Water Table Down Borehole Analysis Ferched Water Table Down Borehole Analysis Ferched Water Table	NVO = No	visual or olfact	<u>NO ΓES:</u> tory eviden	се)G	
Ground Level 84.254mAOD Trial pit is backfilled with spoil Headspace Analysis Down Borehole Analysis Groundwater Table Perched Water Table							Indisturbed Comple		yations		
Down Borehole Analysis Groundwater Table Perched Water Table Down Borehole Analysis App'd: Date: 19/03/07 Drawn: LMB Ref: Plot A Scale: as shown Job No: 44320215			-				- VIIIICIIC				
✓ Percheu Water rabie	1						Down Borehole Analysis		d:	Date: 19/03/07	
✓ Percheu Water rabie							Groundwater Table	Draw		1	4.5
Drg. Size: A4 BOREHOLE LOG							□ Perched Water Table □ Perched				

	SAMPLE	SOIL VAPOUR (ppm)	E.		BOREHOLE NUMBER: TP641A		PAGE	1 of 1	
BOREHOLE		Ä	/ATE		DRILLING DATES: 7th March 2007	DRILLING MET	THODS :	Trial Pitting	
L XI		APO	GROUNDWA ⁻ DEPTH (m)	<u>`</u> }5	DRILLER : Joy Plant	BOREHOLE D			
30R VST	NUMBER U	>	GROUNDW DEPTH (m)	GEOLOGY	LOGGED BY : LB	SCREEN TYPE	E & DIAM	: n/a	
	TYP	SOI		GEC	CHECKED BY : ARD	SCREEN SLO	ΓSIZE: n	/a	
			0.0		DESCRIPTI	ON	CC	OMMENTS	0.0_
				-	MADE GROUND. Concrete with	n re-bar.] 0.0 =
				-	MADE GROUND. Grey coarse a	angular gravel.		Wet, NVO	_
			0.5	-:=== -:=== -:===	Firm to stiff red brown slightly sa frequent fine to coarse sub-angugravel.	andy CLAY with ular to sub-rounded			- 0.5 _ - - - - 1.0 _
		*0.0	1.5						1.5_
		*0.0	2.0	71-2-1 					2.0 — - - - 2.5 —
			3.0						3.0_
	3.5m Leachate: (Orthophospha te, TPH-CWG, SVOCs) Soil: (Orthophospha te, TPH-CWG, SVOCs)	*0.0	4.0		Pale grey - pink fine grained LIN bedrock) with a clay matrix.	MESTONE (weathere	ed		3.5
			4.5	- - - - - -					4.5
			5.0	- - -					5.0 <u> </u>
NVO = No	LOCATION / NO visual or olfactor	OTES:	e		LEGEND	BOREHO)G	
of of of Ground Le	contamination evel 84.289 mAOI backfilled with sp	D	-		Undisturbed Sample Location ★ Headspace Analysis Client:	itle: Plots D,E,F,G, A & C Site Investion: Whitehaven Rhodia		I.	
					Down Borehole Analysis	App'o	d: /n:LMB	Date: 19/03/07	
					Groundwater Table		n : LMB e: as shown	Ref: Plot A Job No: 4432021	15
					□ Perched Water Table		Size: A4	BOREHOLE	

z	SAMPLE	TYPE SOIL VAPOUR (ppm)	E E		BOREHOLE NUMBER: TP642A		PAG	E 1 of 1	
BOREHOLE		- -	 ∟		DRILLING DATES: 7th March 2007	DRILLING ME	THODS	· Trial Pitting	
		l Od	GROUNDWA ⁻ DEPTH (m)	>5	DRILLER: Joy Plant	BOREHOLE D			
ORI	NUMBER	_	ROUNDW EPTH (m)	ľ	LOGGED BY : LB	SCREEN TYPE			
l as		YPE 30 IL	GRO	GEOLOGY	CHECKED BY : ARD	SCREEN SLO			
		F 0)						COMMENTS	
			0.0_	XXX	DESCRIPTION MADE GROUND. Concrete with re			OWNINICIALO	0.0
					MADE GROUND. Grey coarse and				
			-	XXX.	Soft black silty CLAY.	gulai gravei.		amp. Slight TPH odour	-
	0.5m	\forall	0.5_]-=-	Soft black silty OLAT.				0.5
	Leachate: (Metals,	4		-=-	Firm to stiff red brown slightly sand	lv CLAY with		Dry, NVO	
	Cyanide, Orthophosphat				frequent sub-angular to sub-round	ed gravel and			-
	e, pH, TPH- CWG,	*0.0	1.0_		occassional cobbles of orange - br grained sandstone.	own fine to mediu	m		1.0
	SVOCs) Soil: (Metals,		-		grained sandstone.				-
	Cyanide, Orthophosphat								
	e, pH, TPH- CWG, VOCs,	*0.0	1.5_						_ 1.5
	SVOCs)	0.0	1.5_						1.5_
									-
		*0.0	2.0_	====					2.0
									_
			2.5_						2.5
				====					
			-						-
			3.0_						3.0
					Terminated at 3.1m				-
					rommatod at o. m				
			3.5_						3.5_
			-	-					-
				1					
			.	1					_
			4.0_	1					4.0 —
				1					-
			4.5_]					4.5_
				-					
				1					
			5.0_	-					5.0
NVO = No	LOCATION / No visual or olfact	NOTES:	e		LEGEND	BOREHO		OG	
	contamination	,			Lindisturbed Cample	Plots D,E,F,G, A & C Site Investi	igations		
	evel 84.584 mA0 backfilled with s				 Undisturbed Sample Location: ↓ Location: ↓ Client: Rho 				
I mai pit is	Dackilleu Will S	apon			Down Borehole Analysis	dia App'	d:	Date: 19/03/07	
							vn : LB	Ref: Plot A	
					♀Perched Water Table		e: as showr		
				<u> </u>	-	Drg.	Size: A4	BOREHOLE	LUG

z	SAMPLE	SOIL VAPOUR (ppm)	ER		BOREHOLE NUMBER: TP643A		PAGE 1 c	of 1	
BOREHOLE CONSTRUCTION		⊢ N H	III		DRILLING DATES: 7th March 2007	DRILLING ME	⊥ THODS · Tria	al Pitting	
		Od	(m)	\ <u>~</u>	DRILLER: Joy Plant	BOREHOLE D			
ORI	NUMBER	ן אַ	ROUNDW EPTH (m)	ľ	LOGGED BY : LB	SCREEN TYPI			
l a N		SOIL	GROUNDWA ⁻ DEPTH (m)	GEOLOGY	CHECKED BY : ARD	SCREEN SLO			
		+ ",	$\stackrel{-}{+}$		DESCRIPTION	 I	COM	MENTS	\Box
			0.0_		MADE GROUND. Concrete with re				0.0
			\[\frac{\z}{\z} \] -		MADE GROUND. Coarse angular	gravel.		t, NVO IVO	
	1.0m Leachate:	*0.0	□ 0.5 = 0.5		Firm to stiff red brown slightly sand fine to coarse sub-angular to sub-r frequent sub-rounded cobbles and boulders.	ounded gravel and	e		0.5
	(Metals, Cyanide, Sulphate, pH, TPH-CWG) Soil: (Metals, Cyanide, Sulphate, pH, TPH-CWG, VOCs)	*0.0	1.5_						1.5_
			2.0		Dela succession fine succine d LIME	OTONIE (all a ve	N	IVO	2.0 —
			3.0_	-	Pale grey - pink fine grained LIMES bedrock). Terminated at 2.7m.	STOINE (Weathere	d		3.0_
			3.5 _ - - - - 4.0 _	-					3.5 — — — — — 4.0 —
			4.5	-					4.5
			5.0_ -	-					- 5.0 _ -
NVO = No	LOCATION / No visual or olfactor	NOTES:	e		LEGEND M. Bistoria d Consola	BOREHO			
of o	contamination	, 51,46110	-		Lindisturbed Comple	Plots D,E,F,G, A & C Site Invest	igations		
	evel 84.272 mA(-			 Undisturbed Sample Location: ↓ Location: ↓ Client: Rho 				
That pit is	backfilled with s	ρμοιι			Down Borehole Analysis	dia App'	d: Dat	e: 19/03/07	
								: Plot A	
					✓ Perched Water Table			No: 4432021	
					=	Drg.	Size: A4	BOREHOLE	LOG

z	SAMPLE	SOIL VAPOUR (ppm)	Œ		BOREHOLE NUMBER: TP644A		PAGE 1 of 1	
BOREHOLE		UR	ATE		DRILLING DATES: 7th March 2007	DRILLING ME	 ГНОDS : Trial Pittin	g
EH BUG		٩PO	GROUNDWA ⁻ DEPTH (m)	≿	DRILLER : Joy Plant		IAMETER : n/a	
30R VST	NUMBER W	/	GROUNDW DEPTH (m)	GEOLOGY	LOGGED BY : LB	SCREEN TYPE	E & DIAM: n/a	
	<u>I</u>	SOI		GE(CHECKED BY : ARD	SCREEN SLO	T SIZE: n/a	
					DESCRIPTIO	NC	COMMENTS	3
	2.0m Leachate: (Orthophospha te, Sulphate, TPH-CWG) Soil: (Orthophospha te, Sulphate, TPH-CWG)	*0.0 *0.0 *0.0	0.0		MADE GROUND. Coarse angula Firm red brown CLAY with freque sub-angular to sub-rounded grav cobbles of sandstone and limestone.	er gravel. ent fine to coarse rels and occassional	Dry, NVO	0.0
			3.5		Pale grey - pink fine grained LIMI bedrock). Refusal at 3.4m on bedrock.	ESTONE (weathere	d	3.5 — 4.0 — 4.5 — 5.0 —
NVO = No of c	OCATION / NC visual or olfactor contamination evel 84.618 mAOE backfilled with sp	y evidend	ee .		Undisturbed Sample ★ Headspace Analysis Down Borehole Analysis Location Client: F	JRS Drav	igations	0215

Z	SAMPLE		SOIL VAPOUR (ppm)	æ			BOREHOLE NUMBER: WS505A		PAGE	1 of 1	
BOREHOLE CONSTRUCTION		П	UR	ATE			DRILLING DATES: 6th March 2007	DRILLING MET	HODS :	Window Sa	ımpling
H			PO	GROUNDWA.	Ξ	≿	DRILLER: Global Probing and Sampling	BOREHOLE DI			
ORI	NUMBER		≸	S	DEPTH (m)	SEOLOGY	LOGGED BY : LMB	SCREEN TYPE			
		YPI	J I I	180	Ë	일 	CHECKED BY : ARD	SCREEN SLOT			
			<u> </u>	Θ		0		OOKLEIV OLO I			
	0.9m		PID not working		0.0_	$\times\!\!\times\!\!\times$	DESCRIPTION MADE CROUND Prove alightly along	y fine to coore		OMMENTS	0.0
	Leachate: (Metals, Cyanide, Orthophosp hate, Sulphate,						MADE GROUND. Brown slightly claye sub-angular to angular gravel of limes frequent cobbles.	tone with		Dry	- - - 0.5_
	pH) Soil: (Metals, Cyanide, Orthophosp	\boxtimes			- 1.0_		Firm red - brown CLAY with rare medi gravel of sandstone.		ar	Damp	1.0
<i>1///</i> 1	hate,				-	:===:	Soft dark brown CLAY with occassiona	al rootlets.		Damp	-
	Sulphate, pH)	X			-		Soft light brown - orange very gravelly fine to coarse sub-angular to angular or		is	·	
	1.2m				1.5_		Red brown clay with abundant fine to c sandstone (weathered bedrock) with fi			Dry	1.5_
₩₩₩	Leachate:				-	====				Dry	-
	(SVOCs)				2.0_						2.0
	1.4m				-	[-[-]	Refusal at 2.1m on SANDSTONE bed	lrock			-
	Leachate: (TPH-CWG)				-	1	Helusal at 2.1111 off SANDS FONE bed	iiock.			
	Soil: (TPH (ali/ar split),				2.5_	1					2.5_
	VOCs,				2.5_]					2.5
	SVOCs)				-						_
					-						
					3.0_						3.0
					-						-
					-						
					3.5_						3.5_
					-						
					4.0_]					4.0_
					-	-					"
					-]					
					-						_
					4.5_]					4.5
					-	-					_
					-]					
					5.0_	-					5.0_
					_						_
	OCATION /			20			<u>LEGEND</u>	BOREHO	LE LO)G	
	ontamination	JiUI	y CVIUCIIC	تار				,E,F,G, A & C Site Investig	gations		
	vel 86.085 m/						Undisturbed Sample Location: Whiteh	aven			
Trial pit is b	oackfilled with	sp	oil				★ Headspace Analysis Client: Rhodia	A 1-1	1.	Date: 40/00/07	
							Down Borehole Analysis	App'd	n : LMB	Date: 19/03/07 Ref: Plot A	
							Groundwater Table	Scale	: as shown	Job No: 443202	15_
1						1	□ Perched Water Table □		Size: A4		ELOG

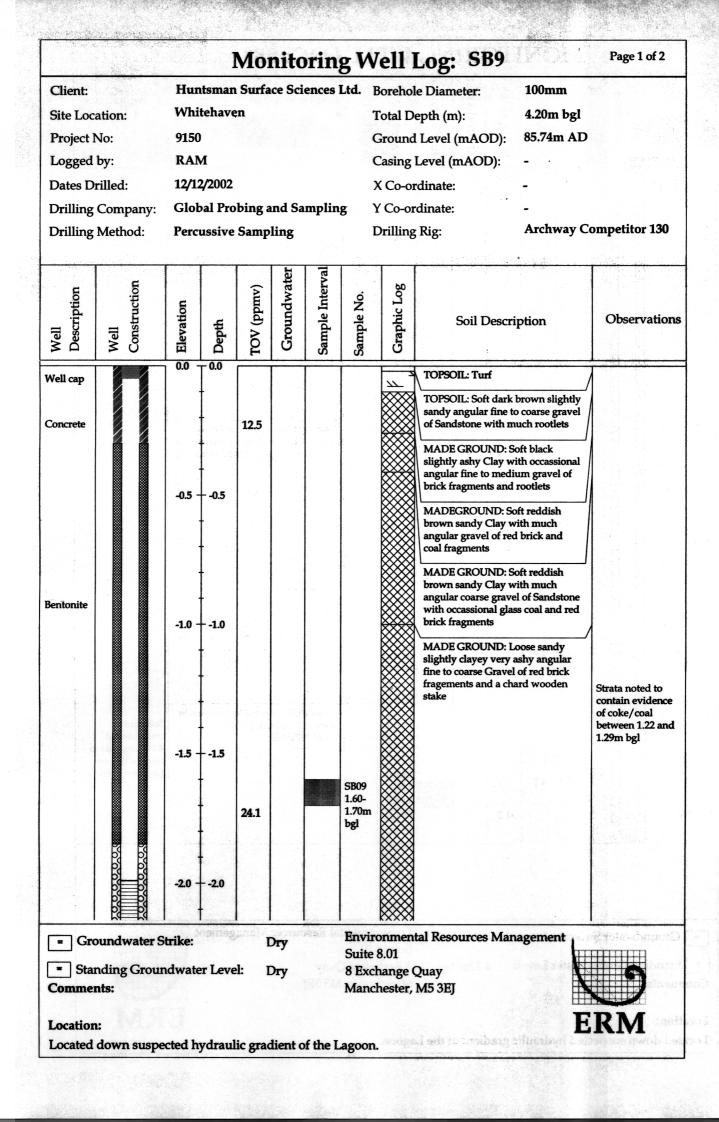
z	SAMPLE	SOIL VAPOUR (ppm)	<u>स</u>		BOREHOLE NUMBER: WS506A		PAGE	1 of 1	
BOREHOLE CONSTRUCTION		UR	ATE		DRILLING DATES: 7th March 2007	DRILLING METH	HODS :	Window Sar	mpling
		PO		3√	DRILLER: Global Probing and Sampling	BOREHOLE DIA			
SOR	NUMBER	>		EOLOGY	LOGGED BY : PM	SCREEN TYPE	& DIAM	: 50mm	
		SOII	GROUNDWAT		CHECKED BY : ARD	SCREEN SLOT	SIZE: 1	mm	
					DESCRIPTION		CC	OMMENTS	
			0.0	` - 	MADE GROUND. Brown slightly sand	ly slightly			0.0
					gravelly clay with frequent rootlets. Go angular of limestone.	avel is sub-		Damp, NVO Dry, NVO	
<i>V//</i> 1 <i>V//</i> 1		*0.0	0.5	. 💥	MADE GROUND. Grey slightly clayey	r gravelly coarse		Dry, NVO	0.5_
<i>V//</i> 1 <i>V//</i> 1			0.5	'∃₩	$\mid \setminus \mid$ sand. Gravel is fine to medium sub-a		//		0.5
<i>[[[]</i>		*0.0			\of sandstone and limestone.]	Dry, NVO	
			1.0	, ===	MADE GROUND. Grey gravelly coars \ \ is fine to medium sub-angular to sub		//	,, -	1.0_
			'.\	'=== ===	\limestone and sandstone.]		1.0
	1.2m Leachate:	*0.0			MADE GROUND. Red and white slight		. / /		
	(Metals, Cyanide,		1.5	; 	\coarse angular to sub-angular gravel		'//		1.5_
	SVOC)		'.`		Firm orange - brown slightly gravelly	slightly sandy	-		
₩₩₩	(Metals,			===	CLAY. Gravel is fine to medium sub-r	ounded to		Damp, NVO	
	Cyanide)	*0.0	2.0	, [==]	Soft orange - brown slightly gravelly v	ory sandy CLAV	」	·	2.0_
				`===	\setminus Sand is fine. Gravel is fine to medium	sub-rounded to			2.0
				<u> </u>	rounded of sandstone and limestone	with occassional			
			2.5	===	\gritstone. Very soft black mottled orange CLAY	with occassional]		_ 2.5
			2	' 	organic fibres.	With occassional		Wet, NVO	2.5
	2.8m	*0.0		****	Very soft dark brown gravelly SILT. G	ravel is fine and			
‱≣‱և	Leachate: (Sulphate,		3.0	_ ××××	sub-angular.			/et, unknown	3.0_
	TPH-CWG)			-===	Red brown clay with abundant beige	SANDSTONE		odour	3.0
	Soil: (Sulphate,				(weathered bedrock)				
*************	TPH(ali/aro split),		3.5	; 					3.5_
	SVOC)								-
		*21.8		‡ <u>==</u>					
×××××			4.0	<u> </u>	Refusal at 3.9m on SANDSTONE.				4.0
			\	7					
				1					
			4.	<u>.</u>					- 4.5_
				$\overline{}$					7.5
				1					
			5.0	, -					5.0_
			5.0	<u>'</u>					3.0
	OCATION / NO				<u>LEGEND</u>	BOREHOL	ELC)G	
	visual or olfactory ontamination	y evidend	е		Disturbed Sample Job Title: Plots	D,E,F,G, A & C Site Investiga		_	
Ground Lev	rel 85.765 mAOE				Undisturbed Sample Location: White	haven			
Trial pit is ba	ackfilled with spo	oil			Headspace Analysis Client: Rhodia	App'd:		Date: 00/00/07	
					Down Borehole Analysis Groundwater Table		: LMB	Date: 09/03/07 Ref: Plot A	
					Groundwater Table Perched Water Table		as shown	Job No: 4432021	
					=	Drg. Si	ze: A4	BOREHOLE	LOG

z	SAMPLE	IYPE SOIL VAPOUR (ppm)	<u>ш</u>			BOREHOLE NUMBER: WS507A		PAGE	1 of 1	
BOREHOLE CONSTRUCTION		⊢ JB(ATE			DRILLING DATES: 6th March 2007	DRILLING ME	THODS ·	Window Sa	mpling
		PO	GROUNDWA	(m)	GΥ	DRILLER: Global Probing and Sampling	BOREHOLE D			
ORI	NUMBER	ш 🕺		ЕРТН (m))LO	LOGGED BY : LMB	SCREEN TYP			
l ^m g			3RC	DEP	GEOLOGY	CHECKED BY : ARD	SCREEN SLO	T SIZE: 1	mm	
	'		+			DESCRIPTION		CO	OMMENTS	
	1.1m Leachate: (TPH-CWG) Soil: (TPH (ali/aro split), VOCs, SVOCs) 1.5m Leachate: (Metals, Cyanide, Orthophosphat e, Sulphate, pH, SVOCs) Soil: (Metals, Cyanide, Orthophosphat e, Sulphate, pH, SVOCs) Hotals, Cyanide, Orthophosphat e, Sulphate, pH)	*0.0 *0.0 *0.0 *0.0 *0.0	M: N:	0.0 — — — — — — — — — — — — — — — — — —		MADE GROUND. Turf over light brogravel. Gravel is fine to medium subangular. MADE GROUND. Black fine to med MADE GROUND. Light brown slight Gravel is fine to medium sub-angulath MADE GROUND. Firm light brown malightly gravelly clay with frequent cois fine to medium and sub-rounded. MADE GROUND. Firm dark brown with frequent coal flecks and brick from the tocoarse and sub-rounded to rounded to rounded. MADE GROUND. Firm dark brown clay with frequent coal flecks. Gravel MADE GROUND. Soft dark brown orange slightly gravelly clay with frequent coal flecks. Gravel is fand sub-angular to angular. Very soft light brown slightly gravelly fine to medium and sub-rounded to Brown clay with abundant gravel or significant for the first orange clay with abundant gravel or significant for the first orange clay with abundant gravel or significant for the first orange clay with abundant gravel (weathered BEDROCK). Light orange clay with abundant gravel (weathered BEDROCK).	um sand. y sandy gravel. r to angular. ottled orange al flecks. Grave rery gravelly clay agments. gravel unded. lightly gravelly i is sub-rounded black mottled uent coal flecks ine to medium CLAY. Gravel is sub-angular. candstone	y / is / is	Dry Dry Dry Damp Wet	1.0 — 1.5 — 2.0 — 3.5 — 4.0 — 4.5 — 4.5 — 5.0 — 1.0 — 1.5 —
	L					LEGEND	BOREHO	LE LC)G	
NVO = No	visual or olfact		се			M. Dietuwheed Commiss	s D,E,F,G, A & C Site Inves		, 0	
	evel 85.838 mA	OD				Undisturbed Sample Location: Wh	tehaven			
	backfilled with	-				★ Headspace Analysis Client: Rhodia			T_	
						Down Borehole Analysis	App		Date: 19/03/07	
						Groundwater Table		wn : LMB	Ref: Plot A	45
						Perched Water Table		le: as shown Size: A4	Job No: 443202 BOREHOLE	
						L	1 2.3			

z	SAMPLE	SOIL VAPOUR (ppm)	ER			BOREHOLE NUMBER: WS508A		PAGE	1 of 1	
BOREHOLE		Ğ	ATE			DRILLING DATES: 7th March 2007	DRILLING N	METHODS :	Window Sar	mpling
EH BUC		۱PO	MQ	(E)	ĞΥ	DRILLER: Global Probing and Sampling	BOREHOLE			
30R ST	NUMBER W	/\ 	GROUNDWAT	DEPTH (m)	EOLOGY	LOGGED BY : PM	SCREEN TY	/PE & DIAM	: 50mm	
l "Q		SOII	GRG	当	GEC	CHECKED BY : ARD	SCREEN SI	OT SIZE: 1	mm	
				0.0		DESCRIPTION		CC	OMMENTS	
$\bowtie \square \otimes$	0.1m Leachate:			0.0_	XX	MADE GROUND. Concrete.				0.0
	(Orthophospha te, pH, TPH- CWG, SVOC)	*0.0		0.5_		MADE GROUND. Dark grey slightly so to coarse sub-angular to angular grave with occassional red brick fragments a plastic and some red brick and concre Pocket of black staining at 0.2m.	el of limestor and pieces of	ne		0.5_
	Soil: (Orthophospha te, pH, TPH- CWG, VOCs, SVOCs)	*0.0		1.0_		Firm dark grey slightly gravelly CLAY organic rootlets. Gravel is fine sub-and rounded of sandstone.	with some bl gular to sub-		Dry, NVO Damp, NVO	1.0_
		*0.0		- - 1.5_		Soft to firm brown mottled grey - black CLAY, with occassional coal flecks. Gangular to sub-rounded fine to medium	ravel is sub- n of sandsto	' /		- - 1.5_
			호	- - - 2.0_		Stiff red brown mottled orange - yellow gravelly CLAY with occassional coal fl fine to coarse sub-rounded to sub-ang sandstone, limestone and gritstone.	ecks. Gravel	lis		2.0
	2.4m		Ŧ	-		Pocket of coarse sand at 3.7m. Frequent grey coarse gravel from 4.2r weathered bedrock).	m (possible			- - -
	Leachate: (TPH-CWG) Soil: (TPH- CWG)	*0.0		2.5_ - -						2.5_ - - -
		*0.0		3.0_						3.0
		*0.0		3.5 <u> </u>						3.5 - -
		*0.0		4.0 _						4.0
		*0.0		-						
 				4.5_	-===	Refusal at 4.5m on bedrock.				4.5
				-	1	rigiusai at 7.5111 off bedfock.				
				-						
				5.0_						5.0_
	LOCATION / NO)TES:		<u> </u>	<u> </u>	LEGEND	BOREH)C	
NVO = No	visual or olfactor		се			M. Dietuuleed Coursele	DOREH D,E,F,G, A & C Site Inv		Ю	
	evel 84.368 mAO[)				Undisturbed Sample Location: Whiteh				
	backfilled with sp					★ Headspace Analysis Client: Rhodia	<u> </u>		Iz.	
						Down Borehole Analysis		App'd:	Date: 19/03/07	
					I	Groundwater Table		Drawn : LMB	Ref: Plot A	
						Groundwater Table □ Perched Water Table		Scale: as shown	Job No: 4432021	15

Z	SAMPLE		SOIL VAPOUR (ppm)	Я			BOREHOLE NUMBER: WS509A		PA	GE 1 of 1	
) TO			N.	ATE			DRILLING DATES: 7th March 2007	DRILLING	METHOD:	S : Window Sa	mpling
EE			PO	MO	ЕРТН (m)	>ნ	DRILLER: Global Probing and sampling			ER : 200mm	
ORI	NUMBER	ш	>	N	Ŧ	ğ	LOGGED BY : LMB	SCREEN	TYPE & DI.	AM: 50mm (Ge	eosock)
BOREHOLE CONSTRUCTION		Z	30	GROUNDWATER	DEP	3EOLOGY	CHECKED BY : ARD	SCREEN			
				+			DESCRIPTION			COMMENTS	
	0.1m Leachate: (Orthophospha te, pH, TPH- CWG, SVOCs) 0.2m Soil: (Orthophospha te, pH, TPH- CWG, VOCs, SVOCs)		*0.0 *0.0 *0.0		0.0		MADE GROUND. Dark grey - black f sub-rounded and sub-angular gravel. Firm brown mottled orange and black Gravel is medium to coarse sub-angular firm dark brown CLAY with occassion gravel and coal flecks. Firm light brown mottled white and or occassional sub-rounded gravel and coal flecks.	gravelly CL ilar of limes nal coal flec nal sub-ang ange CLAY flecks of coa	LAY. tone. ks. ular with al.	Dry Dry Dry	0.0
	2.4m Leachate: (TPH-CWG) Soil: (TPH- CWG)		*0.0		2.5 — - 2.5 — - - 3.0 —		sub-rounded gravel of sandstone and coal flecks. COBBLE of sandstone. Firm red - brown mottled white and bi gravelly CLAY. Gravel is medium to cangular of sandtsone. Black SILT.	occassiona		Dry Dry	2.5
			0.0		3.5		Friable red-pink SILTSTONE with lan bands. Terminated at 4.2m on SILTSTONE I		е		3.5
					4.5 — - - - 5.0 —						4.5
	OCATION / I						LEGEND	BORE	HOLE 1	LOG	· _
	visual or olfact contamination	iory	eviden	ce			<u></u>	D,E,F,G, A & C Site	Investigations		
	vel 84.246 mA						Undisturbed Sample Location: White	haven			
Trial pit is	backfilled with	spoi					★ Headspace Analysis Client: Rhodia		I a	D	
							Down Borehole Analysis		App'd:	Date: 19/03/07	
							Groundwater Table	RS	Drawn : LMB	Ref: Plot A Wn Job No: 443202)15
							Perched Water Table		Scale: as sho		
									1 - '		

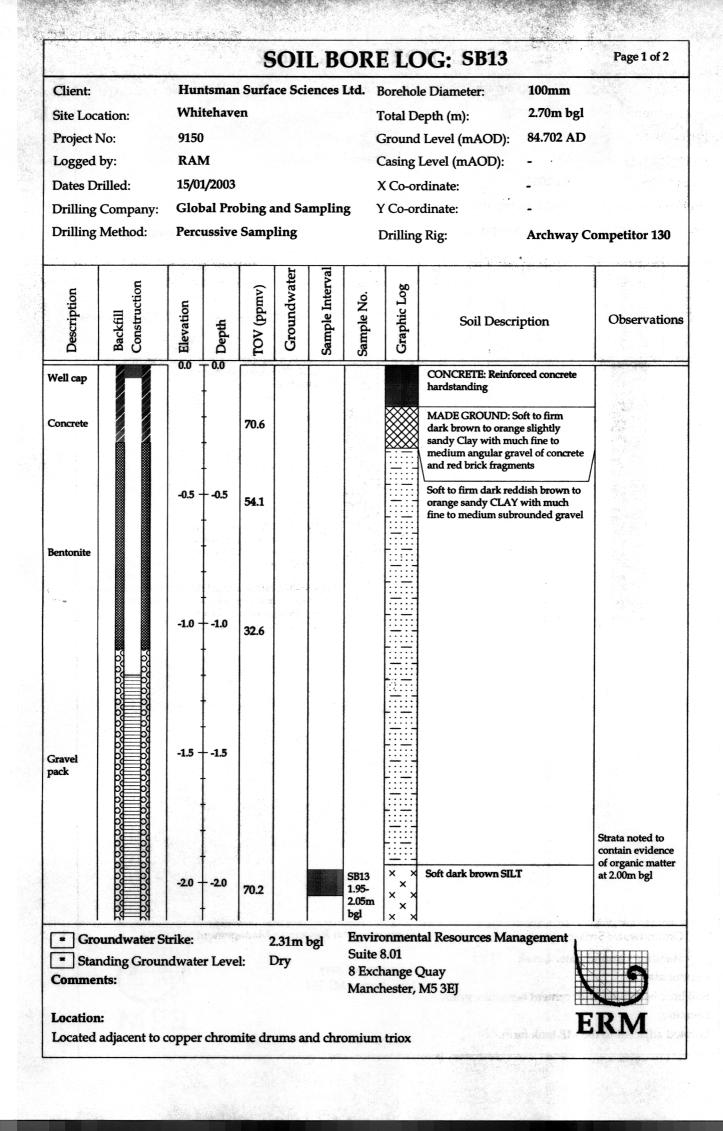
z	SAMPLE		SOIL VAPOUR (ppm)	<u>«</u>			BOREHOLE NUMBER: WS510)A		PAGE	1 of 1	
BOREHOLE CONSTRUCTION			JR (ATER			DRILLING DATES: 6th March 2007		DRILLING	METHODS ·	Window Sai	mplind
			<u>P</u>	MO	Ê,	75	DRILLER: Global Probing Sampling	a		E DIAMETER		
ORE	NUMBER		Υ.	S	Ŧ	EOLOGY	LOGGED BY : PM	3		YPE & DIAN		
MON		Ϋ́	SOIL	GROUNDWAT	DEРТН (m)	зЕО	CHECKED BY : ARD			SLOT SIZE: 1		
		_	- 0)	$\frac{10}{11}$		0		TION!			OMMENTS	
\bowtie	0.7m		*0.0		0.0_	XXX	DESCRIPT MADE GROUND. Dark grey sli		vev fine to		OIVIIVILIVIO	0.0
	0.7m Leachate: (Metals,		0.0		- -	\bigotimes	medium sub-angular to angular shale.				Dry, NVO	
	Cyanide, Orthophosp hate,		*0.0		0.5_	$\overset{\circ}{\otimes}$	MADE GROUND. White fine to sub-angular gravel of concrete.		angular t	0		0.5
<i>\\\\\</i>	Sulphate, pH) Soil:	X			-	\bigotimes	MADE GROUND. Black ashy c	clayey fin			Dry, NVO	
	(Metals, Cyanide,				1.0_	\bowtie	sub-angular to angular gravel w brick fragments.			/ /	•	1.0
<i>V// V//</i>	Orthophosp hate, Sulphate,				-	\bowtie	MADE GROUND. Stiff black movery gravelly clay with fragment	nts of red	brick. Gra]
<i>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</i>	pH)	\square			1.5_	\bowtie	is sub-angular to angular fine to gritstone and concrete.				Damp, NVO	1.5_
	1.5m				-	<u> </u>	MADE GROUND. Reworked co sandstone with frequent cobble	oarse gra	avel of in laminati	ons.		
	Leachate: (TPH(ali/aro				2.0_	:===: :===:	MADE GROUND. Reworked brand purple slightly clayey fine to					2.0
	split), SVOCs) Soil: (TPH				-		angular gravel of sandstone.			/		
	(ali/aro split), SVOCs)				-		Soft to firm orange slightly grav coal flecks and pockets of oran	nge coars	e sandsto			
			*0.0		2.5_	:===: :===:	Gravel is fine sub-angular to su sandstone.	ub-rounde	ed of			2.5_
					-							
					3.0_							3.0
					-	:===:						
	3.5m Soil: (VOCs)				3.5_	====						3.5_
	00ii. (V 003)	X	*0.0		-						D 111/0	-
	3.75m Leachate:	X	*0.0		-		Soft dark brown CLAY with orga	ganic root	lets.		Damp, NVO	
	(TPH-CWG) Soil: (TPH				4.0_	%	Brown slightly sandy fine to coa sub-rounded GRAVEL of sands		angular a	nd		4.0
	(ali/aro split))				-		Sub-Tourided CITAVEE OF Salids	istorie.				
	' ''				-							
					4.5_							4.5_
					-							
					-							
					5.0_							5.0_
	OCATION / N			<u> </u>			<u>LEGEND</u>		BOREI	HOLE LO	OG	
	visual or olfact contamination	iory (evideric	æ				Title: Plots D,E	F,G, A & C Site I	nvestigations		
	evel 87.841 mA backfilled with		ı					ation: Whitehav	en			
I mai più is	Dackiiiieu Willi S	apul	1				Down Borehole Analysis	KIIOOIIA		App'd:	Date: 20/03/07	
								UR	1	Drawn : LMB	Ref: Plot A	
							₹ Perched Water Table		Ly	Scale: as shown Drg. Size: A4	Job No: 4432021 BOREHOLE	
										2.g. 0.26. A4	DOMENOLE	



The state of the s		8	M	ON	ITC	DRI	NG	WI	ELL	LOG: SB9	75.0
MADE GROUND: Very soft sandy Clay with much angular fine gravel of red brick, coke and glass fragments Soft to firm dark reddish brown slightly sandy CLAY with much angular to sub-rounded gravel of Sandstone 3.0 - 3.0 -3.0 - 3.5 Hard light well cemented brown to dark red medium grained SANDSTONE Weet odour noted to strata a 3.90m bgl at Completed at 4.20m bgl at completed at 4.20m bgl at complete or comple	Well Description	Well Construction	Elevation	Depth	TOV (ppmv)	Groundwater	Sample Interval	Sample No.	Graphic Log	Soil Description	Observations
	Gravel back and cap		-3.5 -	-3.5	15.7					Clay with much angular fine gravel of red brick, coke and glass fragments Soft to firm dark reddish brown slightly sandy CLAY with much angular to sub-rounded gravel of Sandstone Hard light well cemented brown to dark red medium grained	Sweet odour noted to strata at 3.90m bgl Soil Bore completed at 4.20m bgl at completeion
	Collapse	000	-4.0 -	4.0	18.7					dark red medium grained SANDSTONE	4.20m bgl at completeion

1

Located down suspected hydraulic gradient of the Lagoon.



MONITORING WELL LOG: SB13										
Well Description	Well Construction	Elevation	Depth	TOV (ppmv)	Groundwater	Sample Interval	Sample No.	Graphic Log	Soil Description	Observations
		-2.5 -	2.5	51.3				× × ×	Highly weathered to weathered light grey fine to medium grained SANDSTONE	Strata noted to b slightly damp at 2.31m bgl Soil bore completed at 2.70m bgl due refusal on hard Sandstone

Groundwater Strike:

2.31m bgl

Environmental Resources Management Suite 8.01

■ Standing Groundwater Level: Comments:

Dry Su

8 Exchange Quay

Manchester, M5 3EJ

Location:

Located adjacent to copper chromite drums and chromium triox

EPM

