SAMPLE Egg BOREHOLE NUMBER: WS 121 PAGE 1 OF 1 NUMBER NUMBER BOREHOLE NUMBER: WS 121 DRULING METHODS. Window Sample NUMBER BOREHOLE NUMBER: WS 121 DRULING METHODS. Window Sample NUMBER BOREHOLE NUMBER: WS 121 DRULING METHODS. Window Sample NUMBER BOREHOLE NUMBER: WS 121 DRULING METHODS. Window Sample NUMBER MADE GROUND: Findetti Ight brown reworked clay with some all, fine gravel and law, fine gravel and law, fine gravel and law, fine gravel and rammedium gravel and law. fine gravel and rammedium gravel and law. fine gravel and rammedium gravel and law. fine gravel and methods. Day,NVO 0.3. NVO- NO challon of findetory reworked. 2.0. EEGEND. EEGEND. Day.NVO 0.3. NVO- NO challon of findetory reworked. 2.0. MADE GROUND: Wint frequent medium coarse and much fine gravel and rammedium gravel and rammedium gravel and law. fine gravel and rammedium gravel and law. Fine gravel and much fine gravel and rammedium gravel and rammedi		SAMPLE		(m						PAC	GE 1 OF 1	
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	0.25-0.5m- Asbestos		*0.0				MADE GROUND: Grass covering. MADE GROUND: Hard medium dense light brow with some fine gravel and light brown grass root coarse sand and medium gravel and rare hard c gravel and light brown/grey ash. MADE GROUND: Medium dense black granular black gravelly ash, much red brick fragments (up light brown and grey fine gravel of ash and dark flints, some black, light brown and red coarse sa light grey medium gravel of fused ash and shiny coal and rare white/grey spongy amorphous pow becoming loose with some brick, ash and gravel Hard cemented friable light brown/dark red SAN Borehole completed at 1.3mbgl due to refusal in	lets, occasional si emented medium fill with abundant o to 1cm), numero grey mudstone und, occasional cla black fine gravel vder.	lt, Dus ay, of	hry,NVO	
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NVO = No	OCATION /	ctor		се			LEGEND Disturbed Sample Job Title: Phase II	BOREHO)G	
	ontamination							Soil & Groundwater Inve	stigation		
							 ★ Headspace Analysis Client: Rhodia 	ven,Cumbria			
							Down Borehole Analysis	App'c	I: JM	Date: OCT 2001	
							Groundwater Table		n : AF	Ref: AF/ML/420	
							$\overline{\Xi}$ Perched Water Table		as shown	Job No: 44557-02	
							-	Drg.	Size: A4	BOREHOLE	LUG

BORDELER VUNBER DORCHOLE NUMBER DORCHOLE NUMBER DORLER NUMBER B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B C CGCCD PY MADE CROUND: Under modulum angular gravel of limestone modulum angular gravel angular graveline modulum angular gravel and angular graveline modulum angular gravel angular graveline modulum angular gravel angular graveline modulum angular gravel angular graveline modulum angu		SAMPLE	<u> </u>	(m						PAC	GE 1 OF 1	
Out Out Out Description COMMENTS Con- training 0.2.0.5m- Asbestos 0.2 0.2 MADE GROUND: Medium dance black gray molium angular gravel of limestone with some finactions dring. costicional grass roots and rate city. UNO Supprivate some black time gravel of coal and coarse sand accessional light provincies of coartes accessional light provincies provincies of coartes accessional light provincies provincis databababababababababab	Z			dd) 8	ËB			BOREHOLE NUMBER: WS 123	1	170		
Out Out Out Description COMMENTS Con- training 0.2.0.5m- Asbestos 0.2 0.2 MADE GROUND: Medium dance black gray molium angular gravel of limestone with some finactions dring. costicional grass roots and rate city. UNO Supprivate some black time gravel of coal and coarse sand accessional light provincies of coartes accessional light provincies provincies of coartes accessional light provincies provincis databababababababababab	IOLE ICTI			OUF	NAT							ole
Out Out Out Description COMMENTS Con- training 0.2.0.5m- Asbestos 0.2 0.2 MADE GROUND: Medium dance black gray molium angular gravel of limestone with some finactions dring. costicional grass roots and rate city. UNO Supprivate some black time gravel of coal and coarse sand accessional light provincies of coartes accessional light provincies provincies of coartes accessional light provincies provincis databababababababababab				AP(ND/	(<u></u> 1	9 1					
OL:20.5m- Asbastos OL:20.5m- IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	IOR I	NOMBER	Ц		ПОС	PTH	0 G					
0.2-0.5m MADE GROUND: Loose gray metilin anguar gravel of linestone with some fine/medium anguar gravel of and ore ongo. MOD GROUND: Motion decess gravel stand. Dry,NVO Dry,NVO 0.2-0.5m MADE GROUND: Cooles gravel stand. Dry,NVO Dry,NVO Dry,NVO 0.5 MADE GROUND: Corese black haveling gravel is stand. Dry,NVO Dry,NVO 0.5 MADE GROUND: Desee black haveling gravel is stand. Dry,NVO Dry,NVO 0.5 MADE GROUND: Desee black haveling gravel is stand. Dry,NVO Dry,NVO 0.5 MADE GROUND: Desee black haveling gravel is stand. Dry,NVO Dry,NVO 0.5 MADE GROUND: Desee black haveling gravel is and or orange stand and some fine/medium gravel in and and orange still motiling from, Dry,NVO Dry,NVO 1.6 Index gravel of coal, much coarse stand, and some fine/medium gravel in and and orange still motiling from, Dry,NVO Dry,NVO 1.5 Index gravel of initis and occasional light orange still motiling from, Dry,NVO Dry,NVO 1.5 Index gravel of coal, much coarse stand, and orange still motiling from, Dry,NVO Dry,NVO 1.5 Index gravel of coal, much coarse stand, and stander motiling from, Dry,NVO Dry,NVO 1.5 Index gravel of coal, much coarse stand, and stander motiling from data program Dry,NVO Dry,NVO 1.5 Index gravel o	S		∠	S	GF		8	CHECKED BY : JM	SCREEN SLOT	SIZE: -		
MADE GROUND: Loss grey medium angular gravel of limestol bown with some fine-fine-dum sand, occasional grass roots and rare clay. MADE GROUND: Medium dense black/gravel stack/and with same fine-fine-fine-medium and nor gravel or all much consers stand and some fine-fine-fine- medium and or angular fill with provide fine-gravel stack/and with abundant aback fine-gravel or class. MADE GROUND: Dense black gravely ablcoal with abundant aback fine-gravel or class. MADE GROUND: Dense black gravely ablcoal with abundant aback fine-gravel or class. MADE GROUND: Dense black gravely ablcoal with abundant aback fine-gravel or class. MADE GROUND: Dense black gravely ablcoal with abundant aback fine-gravel or class. MADE GROUND: Dense black gravely ablcoal with abundant aback fine-grave droat and conserse stand and some aback fine-gravel or class. MADE GROUND: Dense black gravely ablcoal with abundant aback fine-grave aback gravely ablcoal with ab						0.0_		DESCRIPTION			COMMENTS	0.0
0.2-0.5m- Aebestos 0.2 MADE GROUND: Testi (medur gravel sozars gravel sizek) visibly porous salts (medur gravel sozars gravel sizek) obstat/ing gravel topal and coarge sand, occasional tight some black (tring gravel topal and coarge sand, occasional tight some black (tring gravel topal and coarge sand, occasional tight some black (tring gravel topal and coarge sand, occasional tight) some black (tring gravel topal and coarge sand, occasional tight) some black (tring gravel topal and coarge sand, occasional tight) and not gravel gravel sizek) model Dry, NVO 0.5- MADE GROUND: Dense black and dark brown gravel sizek (tring gravel of mudstone films and occasional light orange silt mothing (tron). Dry, NVO Dry, NVO 1.0 Hard cemented friable (filming) dark grey MUDSTONE: Dry, NVO Dry, NVO 1.1 Borehole completed at 1.3migl due to hard mudstone. 1.5- 1.5 1.5 1.5 2.0 1.5 2.0 2.0 2.0 1.5 2.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0						-	\bigotimes				Dry,NVO	-
Asbestos 0,2 0,5 odur. 0,5 MADE GROUND: Conse black fine gravel of coal and coarses sand, cocasional light brown clar, operatura fill with some black fine gravel of coal, much coarse sand, and cocasional light brown clar, operatura fill with abundant black fine gravel of coal, much coarse sand and some fine-medium gravel. Dry, NVO 0.5 MADE GROUND: Conse black gravelly ashiv abundant black fine gravel of coal, much coarse sand and some fine-medium gravel of coarse sand and some fine-		0 2-0 5m-		-		-	××					-
Some black fine gravel of coal and coases sand, occasional light brow clay, repyellow saft, medium gravel, fine, sand and coase sand, and some sand and coase sand, and some sine and and coase sand and some sine and and coase sand, and and and coase sand, and an			X	*0.2		-	×					-
LOCATION / NOTES: LEGEND Borehole completed at 1.3mbgl due to hard mudstone. Dry,NVO 1.5 1.5 1.5 1.5 2.5 2.5 2.5 2.5 1.5 1.5 3.0 3.5 2.5 1.5 3.5 3.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.6 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5			\land			0.5_	\otimes	MADE GROUND: Dense black and dark brown	granular fill with		Drv.NVO	0.5
MADE GROUND: Dense black gravelly usbical with audiant mutuch basis gravelly usbical with audia framedulin gravel of mudstone flambadi. If motiling (ron). Dry,NVO 1.0 1.0 Hard comented friable (finiting) dark grav MUDSTONE. Dry,NVO Dry,NVO 1.5 Borehole completed at 1.3mbgl due to hard mudstone. Dry,NVO 1.5 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 3.5 2.0 2.0 2.0 2.0 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 4.0 4.0 4.0 4.0 NVO = No visual or offactory evidence of contamination Disturback Stassample Headspace Analysis Groundwater Table Mort						-	\otimes	brown clay, grey/yellow ash, medium gravel, fir	i, occasional light	e	Diy,itto	-
LOCATION / NOTES: LEGEND BOREHOLE LOG NVO - NO visual or offactory evidence of contamination LEGEND BOREHOLE LOG More - Mo visual or offactory evidence of contamination More - More						-					Drv.NVO	-
Image: NVD = No visual of of calcular y endocry endocrose of contamination Image: NVD = No visual of of calcular y endocrose of contamination Image: NVD = No visual of of calcular y endocrose of contamination Image: NVD = No visual of of calcular y endocrose of contamination Image: NVD = No visual of of calcular y endocrose of contamination Image: NVD = No visual of of calcular y endocrose of contamination Image: NVD = No visual of of calcular y endocrose of contamination Image: NVD = No visual of of calcular y endocrose of contamination Image: NVD = No visual of of calcular y endocrose of contamination Image: NVD = No visual of of calcular y endocrose of contamination Image: NVD = No visual of of calcular y endocrose of contamination Image: NVD = No visual of of calcular y endocrose of contamination Image: NVD = No visual of of calcular y endocrose of contamination Image: NVD = No visual of of calcular y endocrose of contamination Image: NVD = No visual of of calcular y endocrose of contamination Image: NVD = No visual of of calcular y endocrose of contamination Image: NVD = No visual of of calcular y endocrose of contamination Image: NVD = No visual of of calcular y endocrose of contamination Image: NVD = No visual of of calcular y endocrose of contamination Image: NVD = No visual of of calcular y endocrose of contamination Image: NVD = No visual of of calcular y endocrose of contamination Image: NVD = No visual of of calcular y endocrose of contamination Image: No visual of calcular y endocrose of contamination Image: No visual of calcular y endocrose of contamination Image: No visual of calcular y endocrose of contamination						-	XX	black fine gravel of coal, much coarse sand an	d some fine/mediu	m	,,	-
NO = NOVALID / NOTES LEGEND Borehole completed at 1.3mbgl due to hard mudstone. Dry.NVO 1.5 2.5 2.5 2.5 3.5 2.5 2.5 2.5 3.5 2.5 3.5 3.5 0.0 3.5 2.5 3.5 0.0 0.5 0.5 0.5 0.0 0.5 0.5 0.5 0.0 0.5 0.5 0.5 0.0 0.5 0.5 0.5 0.0 0.5 0.5 0.5 0.0 0.5 0.5 0.5 0.0 0.5 0.5 0.5 0.0 0.5 0.5 0.5 0.0 0.5 0.5 0.5 0.0 0.5 0.5 0.5 0.0 0.5 0.5 0.5 0.0 0.5 0.5 0.5 0.0 0.5 0.5 0.5 0.0 0.5 0.5 0.5 0.0 0.5 0.5 0.5 0.5 0.5 0.5 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td>1.0_</td> <td>XX</td> <td></td> <td>range silt mottling</td> <td></td> <td></td> <td>1.0_</td>						1.0_	XX		range silt mottling			1.0_
A A A A A A A A A A A A A A A A A A A						-	XX	(101).				-
A A A A A A A A A A A A A A A A A A A						-	\boxtimes				_ Drv.NVO	-
LOCATION / NOTES: LEGEND 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 4.0 Undisturbed Sample Job Title: Phase II Soil & Groundwater Inseligation VNO = No visual or olfactory evidence of contamination Disturbed Sample Job Title: Phase II Soil & Groundwater Inseligation VD De Shore Visual or olfactory evidence Down Borehole Analysis Job Title: Phase II Soil & Groundwater Inseligation Down Borehole Analysis Down Borehole Analysis Torm: Are Set: ArAML420 State: a groun Job Net: V457/021420 State: a groun Job Net: V457/021420	*****					-						-
LOCATION / NOTES: LEGEND BOREHOLE LOG NVO = No visual or olfactory evidence of contamination 4.0- BOREHOLE LOG MVO = No visual or olfactory evidence of contamination Disturbed Sample Joint Trabe Model and the adapace Analysis Groundwater Trable Apdri .JM Date: OCT 2001 Torms Parched Water Table Forched Water Table Trabes II Soil & Groundwater Investigation Location: Whitehaven, Cumbria						1.5_		Borenole completed at 1.3mbgl due to hard mu	lastone.			1.5_
LOCATION / NOTES: LEGEND BOREHOLE LOG NVO = No visual or olfactory evidence of contamination 4.0- BOREHOLE LOG MVO = No visual or olfactory evidence of contamination Disturbed Sample Joint Trabe Model and the adapace Analysis Groundwater Trable Apdri .JM Date: OCT 2001 Torms Parched Water Table Forched Water Table Trabes II Soil & Groundwater Investigation Location: Whitehaven, Cumbria						-						-
LOCATION / NOTES: LEGEND BOREHOLE LOG NVO = No visual or olfactory evidence of contamination 4.0- BOREHOLE LOG MVO = No visual or olfactory evidence of contamination Disturbed Sample Joint Trabe Model and the adapace Analysis Groundwater Trable Apdri .JM Date: OCT 2001 Torms Parched Water Table Forched Water Table Trabes II Soil & Groundwater Investigation Location: Whitehaven, Cumbria						-						-
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LOCATION / NOTES: 4.0 NVO = No visual or olfactory evidence of contamination Disturbed Sample Undisturbed Sample Job Title: Phase II Soil & Groundwater Investigation Location: Whitehaven, Cumbria Location: Whitehaven, Cumbria Client: Rhodia Apr/d: JM Apr/d: JM Date: OCT 2001 Drawn: AF Ref: AF/ML/420 Scale: as shown Job No: 44557-021-420						2.5_						- 2.5_
LOCATION / NOTES: 4.0 NVO = No visual or olfactory evidence of contamination Disturbed Sample Undisturbed Sample Job Title: Phase II Soil & Groundwater Investigation Location: Whitehaven, Cumbria Location: Whitehaven, Cumbria Client: Rhodia Apr/d: JM Apr/d: JM Date: OCT 2001 Drawn: AF Ref: AF/ML/420 Scale: as shown Job No: 44557-021-420						-						
LOCATION / NOTES: 4.0 NVO = No visual or olfactory evidence of contamination EEGEND Disturbed Sample Job Title: Phase II Soil & Groundwater Investigation Undisturbed Sample Job Title: Phase II Soil & Groundwater Investigation Location: Whitehaven, Cumbria Location: Whitehaven, Cumbria Groundwater Table Perched Water Table Perched Water Table App'd: JM Dos: AFF Ref: AF/ML/420 Scale: as shown Job No: 44557-021-420						-						-
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LOCATION / NOTES: 4.0_ NVO = No visual or olfactory evidence of contamination EEGEND Undisturbed Sample Job Title: Phase II Soil & Groundwater Investigation Undisturbed Sample Job Title: Phase II Soil & Groundwater Investigation Location: Whitehaven, Cumbria Client: Rhodia Control Whitehaven, Cumbria Client: Rhodia Perched Water Table Perched Water Table						-						
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LOCATION / NOTES: 4.0_ NVO = No visual or olfactory evidence of contamination EEGEND Undisturbed Sample Job Title: Phase II Soil & Groundwater Investigation Undisturbed Sample Job Title: Phase II Soil & Groundwater Investigation Location: Whitehaven, Cumbria Client: Rhodia Control Whitehaven, Cumbria Client: Rhodia Perched Water Table Perched Water Table						-						-
LOCATION / NOTES: LEGEND BOREHOLE LOG NVO = No visual or olfactory evidence of contamination Disturbed Sample Job Title: Phase II Soil & Groundwater Investigation Undisturbed Sample Undisturbed Sample Location: Whitehaven,Cumbria Undisturbed Sample Down Borehole Analysis Client: Rhodia Down Borehole Analysis Groundwater Table App'd: JM Date: OCT 2001 Drawn : AF Ref: AF/ML/420 Scale: as shown Job No: 44557-021-420						3.5_	1					3.5
LOCATION / NOTES: LEGEND BOREHOLE LOG NVO = No visual or olfactory evidence of contamination Disturbed Sample Job Title: Phase II Soil & Groundwater Investigation Undisturbed Sample Undisturbed Sample Location: Whitehaven,Cumbria Undisturbed Sample Down Borehole Analysis Client: Rhodia Down Borehole Analysis Groundwater Table App'd: JM Date: OCT 2001 Drawn : AF Ref: AF/ML/420 Scale: as shown Job No: 44557-021-420						-						-
LOCATION / NOTES: LEGEND BOREHOLE LOG NVO = No visual or olfactory evidence of contamination Disturbed Sample Job Title: Phase II Soil & Groundwater Investigation Undisturbed Sample Undisturbed Sample Location: Whitehaven,Cumbria Undisturbed Sample Down Borehole Analysis Client: Rhodia Down Borehole Analysis Groundwater Table App'd: JM Date: OCT 2001 Drawn : AF Ref: AF/ML/420 Scale: as shown Job No: 44557-021-420						-						-
LOCATION / NOTES: LEGEND BOREHOLE LOG NVO = No visual or olfactory evidence of contamination Disturbed Sample Job Title: Phase II Soil & Groundwater Investigation Undisturbed Sample Undisturbed Sample Location: Whitehaven,Cumbria Undisturbed Sample Down Borehole Analysis Client: Rhodia Down Borehole Analysis Groundwater Table 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 Job Title: Phase II Soil & Groundwater Investigation Undisturbed Sample Job Title: Phase II Soil & Groundwater Investigation Location: Whitehaven,Cumbria Client: Rhodia Down Borehole Analysis Groundwater Table Perched Water Table Perched Water Table						4.0_						4.0
NVO = No visual or olfactory evidence of contamination Disturbed Sample Job Title: Phase II Soil & Groundwater Investigation Undisturbed Sample Job Title: Phase II Soil & Groundwater Investigation Location: Whitehaven,Cumbria Client: Rhodia Down Borehole Analysis Groundwater Table Perched Water Table Perched Water Table			 / N/	L OTES:					RUDERU	IFI		<u> </u>
Undisturbed Sample ★ Headspace Analysis Down Borehole Analysis Groundwater Table Perched Water Table	NVO = No	visual or olfa	cto		се							
★ Headspace Analysis Client: Rhodia ↓ Down Borehole Analysis Groundwater Table App'd: JM Date: OCT 2001 ✓ Perched Water Table Perched Water Table Job No: 44557-021-420	Of C	ontamination										
Groundwater Table Perched Water Table UIRS Drawn : AF Ref: AF/ML/420 Scale: as shown Job No: 44557-021-420												
\sim Percried water Table \sim \sim \sim \sim											Date: OCT 2001	
\sim Percried water Table \sim \sim \sim \sim								Groundwater Table	Draw			21 420
T Drg. Size: A4 BOREHOLE LOG								Perched Water Table			BOREHOLE	

	SAMPLE		(mc						PAG	E 1 of 1	
ыN		-	SOIL VAPOUR (ppm)	ΕR			BOREHOLE NUMBER: WS401	1			
BOREHOLE CONSTRUCTION			OUF	WA ⁷		~	DRILLING DATES: 23/3/05	DRILLING METH		-	oler
REF	NUMBER		VAP	Í	H (I	0 OG	DRILLER : GPS LOGGED BY : PR	BOREHOLE DIA			
BO		TYPE		GROUN	DEPTH (m)	GEOLOGY		SCREEN TYPE			
Ŭ		F	о Х	Ū	ā	Ū	CHECKED BY : LCH	SCREEN SLOT			
×××					0.0_	XXX	DESCRIPTION			COMMENTS	0.0_
					-	\bigotimes	MADE GROUND: Brown, loose, silty sand (top occasional pebbles.	soil) with roots and		Dry, NVO	
			* 0		- - 0.5_		MADE GROUND: Coarse sand with large angu Black and red mottling.	lar boulders of sha	lle.	Dry, NVO	 0.5
					-		MADE GROUND: Loose, red/black crushed brid pebbles of shale	ck with occasional		Dry, NVO	
					1.0_ - -		MADE GROUND: Loose, black gravel of shale mottling.	with some red			1.0
					- - 1.5_						- - 1.5_
			* 0		-					Moist, NVO	
							MADE GROUND: Compacted pebbles and bou with brick and shale and occasional coal fragme	Iders of hard rock ents.			2.0
			* 0		- 2.5_						_ 2.5
					-						
					3.0		MADE GROUND: Brown clay with layers of blac occasional coal pieces.	ck shale and		Dry, NVO	3.0
			* 0		3.5_	***					3.5_
					- 0.0		Dark brown CLAY (BOULDER CLAY) with occa pebbles.	asional sandstone			-
					-		pennies.			Dry, NVO	
			* 0		4.0_	: :					4.0
					-		End of Borehole				
					-						
					4.5_						4.5_
					-						-
					-						-
					 5.0 _						5.0
	_OCATION /	 / N(L OTES [,]				LEGEND	BOREHO	 LFI	06	1
NVO = No	visual or olfacion	ctor	ry evidend	ce			M. Disturbard Oscila	Il Investigations and Envir			
	water encoun	itere	ed				Lindicturbod Comple	rmer Albright and Wilson			
- <u>3</u> .00.10			-				Headspace Analysis Client: Rhodia	_	d	Det-: 07/0/10	
							Down Borehole Analysis Groundwater Table		d: NA /n : NA	Date: 07/04/05 Ref: NA	
							Groundwater Table		e: NA	Job No: 443196	
								Drg.	Size: NA	BOREHOLE	ELOG

7	SAMPLE	<u> </u>	SOIL VAPOUR (ppm)	ſ			BOREHOLE NUMBER: WS402		PAGE	1 of 1	
BOREHOLE CONSTRUCTION		Γ	, Я 1)	TEF			DRILLING DATES: 23/3/05	DRILLING METH		Vindow com	alor
0 HO			Jo L	M	Ê	Ϋ́	DRILLER : GPS	BOREHOLE DIA			
STR	NUMBER		AI	INI	Ξ		LOGGED BY : PR	SCREEN TYPE			n
O B C		TYPE	OIL	GROUI	DEPTH (m)	GEOLOGY	CHECKED BY : LCH	SCREEN SLOT			
0		⊢	S S S S S S S S S S S S S S S S S S S			0					
				-	0.0_	\times	DESCRIPTION MADE GROUND: Brown, sandy clay topsoi with				0.0
	0.3-0.5				-		mottling. Occasional red brick pieces.				
	0.3-0.5	Х	Į		0.5_	\otimes	MADE GROUND: Grey/blue slag with thin layer ash.	of clay and black		Dry, NVO	0.5
					-	\otimes	MADE GROUND: Red brick rubble.				-
					-	***					
					- 1.0	\boxtimes				Dry, NVO	- 1.0_
			* 0		-		MADE GROUND: Clay with sandstone pebbles.			, , -	
					-	\otimes	MADE GROUND: Coarse angular gravel with or	ccasional shale			
			* 0		1.5_	\otimes	pieces.				1.5_
					-	\otimes					-
			* 0		-	\bigotimes	MADE GROUND: Compacted coarse ash with la	argor candy			
			* 0		2.0_	***	constituents. Occasional slag.	arger sanuy		Dry, NVO	2.0
					-	\otimes					-
					2.5_	***					2.5_
					2.5_	\otimes					2.5_
					-	\otimes					_
			* 0		3.0_	\otimes					- 3.0
			* 0		- 3.0		Soft, brown sandy CLAY with fine subrounded-s	ubangular gravel.			3.0 _
					-						
					3.5_					Dry, NVO	- 3.5
					- 0.0	·				Diy, 1900	- 0.0
					-						_
					4.0_						4.0
					-						-
					-						_
					4.5_						4.5_
					-	-					_
					-	-					
					5.0_						5.0_
					-						-
	OCATION	/ N	OTES:	00			LEGEND	BOREHO	LE L	OG	
	contamination	UU	y evident	6			Lindiaturk ad Careenia	I Investigations and Envi			
No ground	lwater encoun	ter	ed					mer Albright and Wilson	Works, Whi	tehaven, Cumbria	
							Headspace Analysis Client: Rhodia Down Borehole Analysis	App'	d: NA	Date: 07/04/05	
							Groundwater Table		vn : NA	Ref: NA	
							Perched Water Table		e: NA Size: NA	Job No: 443196 BOREHOLI	
								L ^{Dig.}	SIZO- INA	BORCHOL	- 100

-7	SAMPLE	<u> </u>	SOIL VAPOUR (ppm)				BOREHOLE NUMBER: WS416		PAGE 1 of 1	
щÉ			ੇ ਸ ਹ	TER						nlor
D HOI				MA M	Ê	Σ			ODS : Window sam METER : 100mm	pier
STR	NUMBER		AI	IN	Ξ	PO P			DIAM: HDPE 50mr	n
BOREHOLE CONSTRUCTION		TYPE		GROUNDW	DEPTH (m)	GEOLOGY		SCREEN SLOT S		
0		╞	0	+		0			COMMENTS	
					0.0_	$\times\!\!\times$	DESCRIPTION MADE GROUND: Pink/grey medium-coarse grave	el with fine silt		_ 0.0_
			*		-	\bigotimes	matrix.		Dry, NVO	
	0.45m	\boxtimes	* 600		0.5_		MADE GROUND: Black silt with occasional gravel siltstone/mudstone and fine angular gravel of ash	l of ı.		0.5_
					-		Becoming more light grey and more sandstone gra	avel.	Dry, NVO	
			* 55		1.0_	\otimes				1.0
	1.2m	\times	ļ	÷	-		Becoming darker with more ash and coal gravel.		Dry, NVO	
					1.5_	\otimes	Coal layer (20mm)			1.5
					-	XX			Wet, NVO	
					-	\otimes				
					2.0_		MADE GROUND: Stiff, red, silty clay with occasion rounded-subrounded gravel of sandstone.	nal fine to mediu	n, Wet, NVO	2.0
					-	\otimes	Becoming orange and slightly less stiff and less gr	ravel.		-
					2.5_		Becoming more red and more stiff.		Wet, NVO	2.5
					-					
					3.0	XX		sional ash		3.0
					-	\otimes	MADE GROUND: Soft, dark brown clay with occase	sional ash		
					-				Wet, NVO	
					3.5_	***	MADE GROUND: Stiff, red silty clay with fine-med	lium, subangular	r l	3.5
					-	888	sandstone gravel.			-
					-	\otimes			Wet, NVO	
0.010					4.0_	XXX			<u> </u>	4.0
					-					
					4.5_					4.5_
					-	-				-
					-					
					5.0_	-				5.0_
		/ N	 OTFS [.]				LEGEND	BOREHO		
NVO = No	visual or olfa	ctor	ry eviden	се			M. Disturbard Osmula	nvestigations and Enviro		
								er Albright and Wilson V	Vorks, Whitehaven, Cumbria	
							 ★ Headspace Analysis Client: Rhodia ↓ Down Borehole Analysis 	App'd:	: NA Date: 07/04/05	
							Groundwater Table			
							Perched Water Table			
							-	Drg. S	Size: NA BOREHOL	LLUG

	SAMPLE		(md				BOREHOLE NUMBER: TP7	701D		PAG	E 1 of 1	
BOREHOLE CONSTRUCTION			SOIL VAPOUR (ppm)	TER			DRILLING DATES: 8th March 20				. Trial Ditting	
UC:D			POL	NDWA	Ê	۲	DRILLING DATES. Stir March 20 DRILLER : Joy Plant	507	DRILLING ME			
ORE	NUMBER	ш	AV -	INN	TH (LOGGED BY : LB		SCREEN TYP			
		Γ Δ Δ	SOIL	GROUN	DEPTH (m)	GEOLOGY	CHECKED BY : ARD		SCREEN SLO	T SIZE:	n/a	
		· -	•/			-	DESCE			0	COMMENTS	
					0.0	*	MADE GROUND.Dark brow		andy clay with	1	Dry, NVO Dry, NVO	0.0
			*0.0		-	XX	MADE GROUND.Red brick	۲.				-
					0.5		MADE GROUND. Black as gravel with fragments of sh	hy sub-angu ale and a pa	llar to angular lle white - blue	r e		0.5
					-	\bigotimes	cement clinker.					-
					1.0_	\otimes	Becoming slightly clayey fro	om 2m.				1.0
					-							
					_ 1.5_	\otimes						_ 1.5_
			*0.0		-	\otimes						-
	2.6m				-							-
	Leachate : (Surfactants,				2.0_	\bigotimes						2.0
	Metals, Cyanide,				-	***						-
	Orthophosp hate, pH,				_ 2.5_	***						_ 2.5_
	TPH-CWG, SVOC)		*0.0		-	\bigotimes						-
	Soil: (Orthophosp				-							-
	hate, pH, TPH-CWG,				3.0_							3.0
	VOC, SVOC,				-	***						-
	PCBs, Ammonium,		*0.0		_ 3.5_	\bigotimes						
	Nitrate)				-		Soft to firm dark brown CL/ sub-angular to sub-rounded		ssional fine			-
					-			a gravei.				-
	4.4m				4.0_							4.0
	Leachate : (Surfactants,				-							-
	Orthophosp hate,	X	*0.0		- 4.5_							_ 4.5_
	Sulphate, pH, TPH-				_							-
	CWG, SVOC)				-							-
	Soil: (Sulphate,				5.0 _							5.0
	VOC)				-	·	Pale yellow fine grained LIN		vith			
					_ 5.5 _		occassional small dissolution	on voids.				5.5_
							Terminated at 5.3m.					_
	LOCATION / 1			ce			LEGEND		BOREHO		OG	
of c	contamination	-					 Disturbed Sample Undisturbed Sample 		F,G, A & C Site Invest	tigations		
	evel 83.885 mA backfilled with s						★ Headspace Analysis	Location: Whitehay Client: Rhodia	/en			
							Down Borehole Analysis		App'		Date: 09/03/07	
							Groundwater Table	UF	Contraction Drave Scal	wn : LMB le: as show	Ref: Plot D n Job No: 4432021	5
							Perched Water Table			Size: A4	BOREHOLE	

SAMPLE Search BOREHOLE NUMBER PAGE 1 of 1 NUMBER B	7	SAMPLE		(mdd	ſſ			BOREHOLE NUMBER: TP7	02D		PAGE	1 of 1	
0 0 0 DESCRIPTION COMMENTS 0 0.3n 0.0 0.0 MADE GROUND. Dark brown slightly sandy clay with coccassional rootlets and sub-angular gravel. Dor, NVO 0.0 0.4 0.5 0.6 magular to sub-rounded. Description Dor, NVO 0.5 0.6 0.6 magular to sub-rounded. Description Description 0.5 0.6 0.6 magular to sub-rounded. Description Description 0.6 0.0 0.0 1.0 MADE GROUND. Back ashy sub-angular to angular to angular to angular to sub-rounded. Description 0.5 0.0 1.0 MADE GROUND. Back ashy sub-angular to angular to sub-rounded. Description 0.6 0.0 1.0 Soft to firm dark brown CLAY with occassional fragments of dark Description 0.6 0.0 2.0 2.0 Soft to firm dark brown CLAY with occassional fine 3.5 0.70 2.5 2.6 0.0 0.0 0.0 0.0 0.70 2.6 0.0 0.0 0.0 0.0 0.70 2.6 0.0 0.0 0.0 0.0 0.70 2.6 0.0 0.0 0.0 0.0 0.70 0.0 0.0	Ц Ц Ц Ц			JR (I	VTEI			DDILLING DATES: 8th March 20	07		י פחטו	Trial Pitting	
0 0 0 DESCRIPTION COMMENTS 0 0.3n 0.0 0.0 MADE GROUND. Dark brown slightly sandy clay with coccassional rootlets and sub-angular gravel. Dor, NVO 0.0 0.4 0.5 0.6 magular to sub-rounded. Description Dor, NVO 0.5 0.6 0.6 magular to sub-rounded. Description Description 0.5 0.6 0.6 magular to sub-rounded. Description Description 0.6 0.0 0.0 1.0 MADE GROUND. Back ashy sub-angular to angular to angular to angular to sub-rounded. Description 0.5 0.0 1.0 MADE GROUND. Back ashy sub-angular to angular to sub-rounded. Description 0.6 0.0 1.0 Soft to firm dark brown CLAY with occassional fragments of dark Description 0.6 0.0 2.0 2.0 Soft to firm dark brown CLAY with occassional fine 3.5 0.70 2.5 2.6 0.0 0.0 0.0 0.0 0.70 2.6 0.0 0.0 0.0 0.0 0.70 2.6 0.0 0.0 0.0 0.0 0.70 2.6 0.0 0.0 0.0 0.0 0.70 0.0 0.0	HO HU N			POL	MC	Ê	۲		.01				
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0 0 0 DESCRIPTION COMMENTS 0 0.3n 0.0 0.0 MADE GROUND. Dark brown slightly sandy clay with coccassional rootlets and sub-angular gravel. Dor, NVO 0.0 0.4 0.5 0.6 magular to sub-rounded. Description Dor, NVO 0.5 0.6 0.6 magular to sub-rounded. Description Description 0.5 0.6 0.6 magular to sub-rounded. Description Description 0.6 0.0 0.0 1.0 MADE GROUND. Back ashy sub-angular to angular to angular to angular to sub-rounded. Description 0.5 0.0 1.0 MADE GROUND. Back ashy sub-angular to angular to sub-rounded. Description 0.6 0.0 1.0 Soft to firm dark brown CLAY with occassional fragments of dark Description 0.6 0.0 2.0 2.0 Soft to firm dark brown CLAY with occassional fine 3.5 0.70 2.5 2.6 0.0 0.0 0.0 0.0 0.70 2.6 0.0 0.0 0.0 0.0 0.70 2.6 0.0 0.0 0.0 0.0 0.70 2.6 0.0 0.0 0.0 0.0 0.70 0.0 0.0	^m N _O		ΓΥΡΙ	SOIL	<u> SRO</u>	EP	GEO						
0.3m 0.0 </td <td></td> <td></td> <td></td> <td>0)</td> <td>+</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>				0)	+								
0.2m v.a v.a cccassional rootlets and sub-angular gravel. Dr, NVO 100 arrite (Surfacants, Orthophosp tate, pH, SVOC) v.a no.5 MADE GROUND. Soft of tim light bown mottled red-grey gravelly slightly sandy clay. Gravell's sub-angular to angular gravel of shale with occassional fragments of dark grey - black clinker. Dr, NVO Dr, NVO SVOC) v.a no.5 MADE GROUND. Black safty sub-angular to angular to angular gravel of shale with occassional fragments of dark grey - black clinker. Dr, NVO Dr, NVO V.a 2.0 1.0 State						0.0_	***			andy clay with			0.0
(Surfactants, SVC) (Supprise, VC) (SUPPrise, VC) (SUC) 0.0 <td></td> <td>0.3m</td> <td></td> <td>*0.0</td> <td></td> <td> -</td> <td>***</td> <td>occassional rootlets and sul</td> <td>b-angular g</td> <td>ravel.</td> <td></td> <td>Dry, NVO</td> <td>-</td>		0.3m		*0.0		-	***	occassional rootlets and sul	b-angular g	ravel.		Dry, NVO	-
Switch Switch Subhate, Voca, SVOC) ************************************		(Surfactants, Orthophosp				_ 0.5_ _		grey gravelly slightly sandy of			-	Dry, NVO	0.5
Statistics 10- gravel of shale with occassional fragments of dark 10- VCC SVOC) 15- 15- 15- 15- 15- 15- 15- 15- 15- 25- 25- 25- 25- 25- 25- 25- 25- 25- 25- 25- 25- 25- 25- 25- 25- 25- 25- 25- 25- 25- 25- 25- 25- 26- 25- 25- 25- 25- 27- 25- 25- 25- 25- 26- 25- 25- 25- 25- 27- 25- 25- 25- 25- 28- 25- 25- 25- 25- 27- 26- 25- 25- 25- 28- 29- 20- 20- 35- 28- 29- 20- 20- 35- 35- 28- 29- 20- 20- 20- 35- 29		SVOC)		*0.0		-	\bigotimes	_ \$	hy sub-angu	lar to angular			
4.6m 1.5 4.6m 2.5 2.5 2.5 3.3 3.5 3.4 3.5 3.5 3.6 3.6 3.5 3.6 3.5 3.6 3.5 3.6 3.6 3.7 3.5 3.8 Soft to firm dark brown CLAY with occassional fine sub-angular to sub-rounded gravels and occassional cobbles of pale grey - pink fine grained limestone. 4.6 4.6 Cyanide, Othophosp hate, pH, TPH-CWG, SVOC) 5.0 SUCC/PSD, Anmonium, Nitrate) 5.5 VIO = No Visual or Ofactory evidence of contamination 5.5 Cround Level 84.432 mAOD Trial pit is backfilled with spoil LEGEND Min Deruhed Angeise Ground Level 7 Table More Table VP Deruhed Water Table Pare grey regine Kangeise More Trable 84.432 mAOD Trial pit is backfilled with spoil More regional frageise		(Sulphate, VOC,				1.0_ - -		gravel of shale with occassi					1.0
4.6m 2.0 2.5 2.5 4.6m 3.0 3.0 3.0 1.6axthet: 3.0 3.0 3.0 1.6axthet: 0.0 3.5 3.0 1.6axthet: 0.0 3.5 3.0 1.6axthet: 0.0 3.5 3.5 1.6axthet: 0.0 3.5 3.5 1.6axthet: 0.0 4.0 3.5 1.6axthet: 0.0 4.0 3.5 1.6axthet: 0.0 4.0 3.5 1.6axthet: 0.0 4.0 0.0 1.6axthet: 0.0 4.0 0.0 1.6axthet: 0.0 4.5 0.0 1.6axthet: 0.0 4.5 0.0 1.6axthet: 0.0 0.0 0.0 1.6axthet: 0.0 0.0 0.0 1.7axthet: 0.0 0.0 0.0 1.7axthet: 0.0 0.0 0.0 0.0 1.7axthet: 0.0 0.0 0.0 0.0 0.0 1.7axthet: 0.0 </td <td></td> <td>3000)</td> <td></td> <td></td> <td></td> <td>- - 15-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>15_</td>		3000)				- - 15-							15_
4.6m 2.5 Leachate : 3.0 (Surfactants, Wetals, Cyanide, Orthophosp hate, pH, TPH(alkros SU) : **** 0.0 4.0 0.0 4.0 0.0 5.0 0.0 5.0 0.0 4.0 0.1 0.0 0.1 0.0 0.1 0.0 0.1 5.0 0.1 0.1 0.1 0.1 0.1						-	\otimes						-
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4.6m 3.0 3.0 3.0 Lachate: Soft to firm dark brown CLAY with occassional fine 3.5 Soft address: 0.0 3.5 3.5 Cyande, 0.0 4.5 3.5 Soft address: 0.0 4.5 4.5 Soft address: 0.0 4.5 5.0 Soft address: 0.0 4.5 5.0 Soft address: 0.0 0.0 5.0 4.5 Soft address: 0.0 0.0 5.0 5.0 Soft address: 0.0 0.0 5.0 5.0 Soft address: 0.0 0.0 5.0 5.0 Soft address: 0.0						-	\otimes						-
4.6m -0.0 3.5 Soft to firm dark brown CLAY with occassional fine sub-angular to sub-rounded gravels and occassional cobles of pale grey - pink fine grained limestone. 3.5 Metals, Cyanide, Orthophosp hate, pH, TPH-CWG, SVOC) -0.0 4.5 4.5 Soil : -0.0 4.5 4.5 Soil : -0.0 4.5 4.5 Soil : -0.0 -0.0 -0.0 (Metals, Cyanide, Orthophosp hate, pH, TPH-CWG, SVOC) 5.0 -0.0 Soil : -0.0 -0.0 -0.0 (Metals, Cyanide, Orthophosp hate, pH, TPH-CWG, SVOC) 5.5 Pale grey - pink and pale yellow - pink fine grained Jummonium, Nitrate) 5.5 -0.0 -0.0 -0.0 Soil: -0.0 -0.0 -0.0 -0.0 CocATION / NOTES: LEGEND BOREHOLE LOG -0.0 NVO = No visual or olfactory evidence of contamination -0.0 -0.0 -0.0 Ground Level 84.432 mAOD Trial pit is backfilled with spoil Disturbed Sample -0.0 -0.0 W Headspace Analysis -0.0 -0.0 -0.0 -0.0 -0.0 Ground Water Table -0.0 <td></td> <td></td> <td></td> <td></td> <td></td> <td>2.5_</td> <td>\otimes</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2.5</td>						2.5_	\otimes						2.5
4.6m -0.0 3.5 Soft to firm dark brown CLAY with occassional fine sub-angular to sub-rounded gravels and occassional cobles of pale grey - pink fine grained limestone. 3.5 Metals, Cyanide, Orthophosp hate, pH, TPH-CWG, SVOC) -0.0 4.5 4.5 Soil : -0.0 4.5 4.5 Soil : -0.0 4.5 4.5 Soil : -0.0 -0.0 -0.0 (Metals, Cyanide, Orthophosp hate, pH, TPH-CWG, SVOC) 5.0 -0.0 Soil : -0.0 -0.0 -0.0 (Metals, Cyanide, Orthophosp hate, pH, TPH-CWG, SVOC) 5.5 Pale grey - pink and pale yellow - pink fine grained Jummonium, Nitrate) 5.5 -0.0 -0.0 -0.0 Soil: -0.0 -0.0 -0.0 -0.0 CocATION / NOTES: LEGEND BOREHOLE LOG -0.0 NVO = No visual or olfactory evidence of contamination -0.0 -0.0 -0.0 Ground Level 84.432 mAOD Trial pit is backfilled with spoil Disturbed Sample -0.0 -0.0 W Headspace Analysis -0.0 -0.0 -0.0 -0.0 -0.0 Ground Water Table -0.0 <td></td> <td></td> <td></td> <td></td> <td></td> <td>- </td> <td>***</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						-	***						
4.6m -0.0 3.5 Soft to firm dark brown CLAY with occassional fine sub-angular to sub-rounded gravels and occassional cobles of pale grey - pink fine grained limestone. 3.5 Metals, Cyanide, Orthophosp hate, pH, TPH-CWG, SVOC) -0.0 4.5 4.5 Soil : -0.0 4.5 4.5 Soil : -0.0 4.5 4.5 Soil : -0.0 -0.0 -0.0 (Metals, Cyanide, Orthophosp hate, pH, TPH-CWG, SVOC) 5.0 -0.0 Soil : -0.0 -0.0 -0.0 (Metals, Cyanide, Orthophosp hate, pH, TPH-CWG, SVOC) 5.5 Pale grey - pink and pale yellow - pink fine grained Jummonium, Nitrate) 5.5 -0.0 -0.0 -0.0 Soil: -0.0 -0.0 -0.0 -0.0 CocATION / NOTES: LEGEND BOREHOLE LOG -0.0 NVO = No visual or olfactory evidence of contamination -0.0 -0.0 -0.0 Ground Level 84.432 mAOD Trial pit is backfilled with spoil Disturbed Sample -0.0 -0.0 W Headspace Analysis -0.0 -0.0 -0.0 -0.0 -0.0 Ground Water Table -0.0 <td></td> <td></td> <td></td> <td></td> <td></td> <td>30</td> <td>***</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>30</td>						30	***						30
4.6m Leachate : Soft to firm dark brown CLAY with occassional fine Leachate : Sub-angular to sub-rounded gravels and occassional Cyanide, '0.0 4.0 Orthophosp 4.0 cobbles of pale grey - pink fine grained limestone. 4.0 Orthophosp 4.0 - 4.0 Atte, pH, TPH-CWG, SVOC) 4.5 Soil : '0.0 4.5 - Cyanide, '0.0 4.5 - Orthophosp 5.0 - - hate, pH, TPH(ali/aro 5.0 - Split), VOC, 5.5 - Pale grey - pink and pale yellow - pink fine grained LIMESTONE with occassional dissolution voids. - - - NVO = No visual or olfactory evidence of contamination 6.0 M Disturbed Sample Undisturbed Sample Undisturbed Sample Undisturbed Sample Undisturbed Sample - - - Ground Level 84.432 mAOD Trial pit is backfilled with spoil Date: egg0307 - - - VP erched Water Table Perched Water Table - -						- 0.0	\bigotimes						0.0
4.6m Leachate : Soft to firm dark brown CLAY with occassional fine Leachate : Sub-angular to sub-rounded gravels and occassional Cyanide, '0.0 4.0 Orthophosp 4.0 cobbles of pale grey - pink fine grained limestone. 4.0 Orthophosp 4.0 - 4.0 Atte, pH, TPH-CWG, SVOC) 4.5 Soil : '0.0 4.5 - Cyanide, '0.0 4.5 - Orthophosp 5.0 - - hate, pH, TPH(ali/aro 5.0 - Split), VOC, 5.5 - Pale grey - pink and pale yellow - pink fine grained LIMESTONE with occassional dissolution voids. - - - NVO = No visual or olfactory evidence of contamination 6.0 M Disturbed Sample Undisturbed Sample Undisturbed Sample Undisturbed Sample Undisturbed Sample - - - Ground Level 84.432 mAOD Trial pit is backfilled with spoil Date: egg0307 - - - VP erched Water Table Perched Water Table - -							\bigotimes						-
Leachate : '0.0 Sub-angular to sub-rounded gravels and occassional cobbles of pale grey - pink fine grained limestone. 4.0 Orthophosp hate, pH, TPH-CWG, SVOC) '0.0 4.5 4.5 SVOC) Soli : '0.0 4.5 4.5 Orthophosp hate, pH, TPH-CWG, SVOC) '0.0 4.5 4.5 SVOC) Soli : '0.0 4.5 4.5 Orthophosp hate, pH, TPH-GWG, SUOC, Orthophosp hate, pH, TPH-GUIAD and pale yellow - pink fine grained 4.5 Nor = No visual or olfactory evidence of contamination 5.5 Terminated at 5.3m. NVO = No visual or olfactory evidence of contamination Bore Holle Loog Job Title: Plots D.E.F.G. A & C Site Investigations Ground Level 84.432 mAOD Undisturbed Sample Undisturbed Sample Location: Whitehaven Citlen: Rhola Down Borehole Analysis Citlen: Rhola Aprd: Date: 000307 Drawn : LMB Ref: Plot D Scale: as shown Job No: 4432215		4.6m		*0.0		3.5_		Soft to firm dark brown CLA	Y with occa	ssional fine			3.5
Metals, Cyanide, Orthophosp hate, pH, TPH-CWG, SVOC) *0.0 4.0 4.0 4.0 SVOC) Soil : (Wetals, Cyanide, Orthophosp hate, pH, TPH(ali/aro split), VOC, TOC/PSD, Ammonium, Nitrate) *0.0 4.5 4.5 Metals, Cyanide, Orthophosp hate, pH, TPH(ali/aro split), VOC, TOC/PSD, Ammonium, Nitrate) *0.0 4.5 4.5 Subject 5.0 5.0 5.0 5.0 5.0 NVO = No visual or olfactory evidence of contamination 6.0 LEGEND Undisturbed Sample BOREHOLE LOG VO = No visual or olfactory evidence of contamination Mitisturbed Sample Undisturbed Sample Job Title: Plots D.E,F,G, A & C Site Investigations Location: Whitehaven Client: Rhodia Job Title: Plots D.E,F,G, A & C Site Investigations Location: Whitehaven Client: Rhodia Groundwater Table Verched Water Table Apr/dt: Date: 990307		Leachate :				-		sub-angular to sub-rounded	d gravels and	d occassional			-
Orthophosp hate, pH, TPH-CWG, SVOC) Soil : *0.0 4.5.1 4.5.1 (Metals, Cyanide, Orthophosp hate, pH, TPH(ali/aro split), VOC, TOC/PSD, Ammonium, Nitrate) *0.0 4.5.1 4.5.1 Subject 5.0 5.0 5.0 5.0 5.0 Subject 5.0 5.0 5.0 5.0 Nor split), VOC, TOC/PSD, Ammonium, Nitrate) 5.0 5.0 5.0 NVO = No visual or olfactory evidence of contamination 6.0 LEGEND Undisturbed Sample Undisturbed Sample Undisturbed Sample Undisturbed Sample Source Contamination Disturbed Sample Undisturbed Sample Undisturbed Sample Source Contamination Job Title Plots D.E.F.G, A & C Site Investigations Location: Whitehaven Citent: Rhodia Appd: Date: 09(03/07) Trial pit is backfilled with spoil Appd: Date: 09(03/07) Trial pit is backfilled with spoil Ferched Water Table Appd: Date: 09(03/07) Trial pit is backfilled with spoil Seale: as shown Job No: 44320215 Appd: Date: 09(03/07)		Metals,		*0.0		4.0_		cobbles of pale grey - pink	fine grained	l limestone.			4.0_
TPH-CWG, SVOC) *0.0 4.5 Soil: *0.0 4.5 (Metals, Cyanide, Orthophosp hate, pH, TPH(ali/aro split), VOC, TOC/PSD, Ammonium, Nitrate) 5.0 5.0 Pale grey - pink and pale yellow - pink fine grained LIMESTONE with occassional dissolution voids. 5.5 Terminated at 5.3m. 5.6 NVO = No visual or olfactory evidence of contamination 6.0 Ground Level 84.432 mAOD Trial pit is backfilled with spoil LEGEND With spoil Wo = No visual or olfactory evidence of contamination Undisturbed Sample With occassional displaysis Groundwater Table Job Title: Plots D.E.F.G. A& C Site Investigations Location: Whitehaven Client: Rhodia Trial pit is backfilled with spoil Forched Water Table Inter: Plots D.E.F.G. A& C Site Investigations Location: Whitehaven		Orthophosp				-							-
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hate, pH, TPH(ali/aro split), VOC, TOC/PSD, Ammonium, Nitrate) 5.0 5.0 5.0 Pale grey - pink and pale yellow - pink fine grained LIMESTONE with occassional dissolution voids. 5.5 Terminated at 5.3m. 5.5 6.0 6.0 LOCATION / NOTES: 6.0 NVO = No visual or olfactory evidence of contamination Disturbed Sample Undisturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Ground Level 84.432 mAOD Trial pit is backfilled with spoil Headspace Analysis Groundwater Table Apr/d: Devended Water Table Apr/d: Devended Water Table Apr/d: Date: 09/03/07 Drawn: LIMB Ref: Plot D Scale: as shown Job No: 44320215		Cyanide,	A			-	·						
split), VOC, TCC/PSD, Ammonium, Nitrate) Pale grey - pink and pale yellow - pink fine grained LIMESTONE with occassional dissolution voids. 5.5 5.5 6.0 Ferminated at 5.3m. 6.0 EEGEND NVO = No visual or olfactory evidence of contamination Disturbed Sample Ground Level 84.432 mAOD Trial pit is backfilled with spoil Undisturbed Sample Headspace Analysis Job Title: Plots D,E,F,G, A & C Site Investigations Location: Whitehaven Client: Rhodia App'd: Date: 09/03/07 Drawn : LMB Ref: Plot D Scale: as shown Job No: 44320215		hate, pH,				_ 5.0_							
TOC/PSD, Ammonium, Nitrate) Pale grey - pink and pale yellow - pink fine grained LIMESTONE with occassional dissolution voids. 5.5 5.5 6.0 5.5 6.0 5.5 6.0 5.5 6.0 6.0 LOCATION / NOTES: 6.0 NVO = No visual or olfactory evidence of contamination Disturbed Sample Image: Contamination Undisturbed Sample Image: Contamination Undisturbed Sample Image: Contamination Undisturbed Sample Image: Contamination Undisturbed Sample Image: Contamination Image: Contamination Ground Level 84.432 mAOD Down Borehole Analysis Image: Contamination Down Borehole Analysis Image: Contamination Down Borehole Analysis Image: Contamination App'd: Image: Contamination Down Borehole Analysis Image: Contamination Client: Rhodia Image: Contamination App'd: Image: Contamination Down Borehole Analysis Image: Contamination App'd: Image: Contamination Image: Contamination Image: Contamination Im		TPH(ali/aro				-	:						-
Nitrate) 0.3.3 - 1 Image: Sign of the system of		TOC/PSD,											
LOCATION / NOTES: LEGEND BOREHOLE LOG NVO = No visual or olfactory evidence of contamination Disturbed Sample Job Title: Plots D,E,F,G, A & C Site Investigations Ground Level 84.432 mAOD Undisturbed Sample Location: Whitehaven Trial pit is backfilled with spoil Headspace Analysis Client: Rhodia Image: Construction of the spoil Groundwater Table Apr/d: Date: 09/03/07 Image: Construction of the spoil Perched Water Table Scale: as shown Job No: 44320215						5.5_					_		5.5_
LOCATION / NOTES: LEGEND BOREHOLE LOG NVO = No visual or olfactory evidence of contamination Disturbed Sample Job Title: Plots D,E,F,G, A & C Site Investigations Ground Level 84.432 mAOD Undisturbed Sample Location: Whitehaven Trial pit is backfilled with spoil Headspace Analysis Client: Rhodia Image: Construction of the spoil Groundwater Table Apr/d: Date: 09/03/07 Image: Construction of the spoil Perched Water Table Scale: as shown Job No: 44320215						-							
NVO = No visual or olfactory evidence of contamination Disturbed Sample Ground Level 84.432 mAOD Trial pit is backfilled with spoil Disturbed Sample Headspace Analysis Location: Whitehaven Client: Rhodia App'd: Date: 09/03/07 Groundwater Table Perched Water Table						6.0_							_ 6.0 _
of contamination Ground Level 84.432 mAOD Trial pit is backfilled with spoil Undisturbed Sample Headspace Analysis Groundwater Table Perched Water Table Distributed Sample Location: Whitehaven Client: Rhodia App'd: Date: 09/03/07 Drawn : LMB Ref: Plot D Scale: as shown Job No: 44320215							1			BOREHO)G	
Ground Level 84.432 mAOD Trial pit is backfilled with spoil			tory	eviden	ce						ations		
Down Borehole Analysis Groundwater Table Perched Water Table				1				-		ven			
Groundwater Table		Jackilled WI(N	spol	I					Silent. Knodla	App'd	:	Date: 09/03/07	
✓ Perched Water Table									IT				
								Perched Water Table					

z	SAMPLE		SOIL VAPOUR (ppm)	ER			BOREHOLE NUMBER: TP703D		PAGE	<u>=</u> 1 of 1	
BOREHOLE CONSTRUCTION			UR (ATE			DRILLING DATES: 8th March 2007	DRILLING MET	HODS	Trial Pitting	
L D D D D D D D D D D D D D D D D D D D			PO	DW	(E)	Ъ	DRILLER : Joy Plant	BOREHOLE DI			
NSTI NSTI	NUMBER	ш	۲ </td <td>GROUNDW</td> <td>DEPTH (m)</td> <td>GEOLOGY</td> <td>LOGGED BY : LMB</td> <td>SCREEN TYPE</td> <td>& DIAN</td> <td>∦: n/a</td> <td></td>	GROUNDW	DEPTH (m)	GEOLOGY	LOGGED BY : LMB	SCREEN TYPE	& DIAN	∦: n/a	
Ш Ó С		TYP	SOII	GRC	DEP	GEC	CHECKED BY : ARD	SCREEN SLOT	SIZE: r	n/a	
				++	0.0_		DESCRIPTION		С	OMMENTS	0.0
					0.0 _	\otimes	MADE GROUND. Concrete hardstand	ing with re-bar.		_	- 0.0
			*0.0		_		MADE GROUND.Reddish brown claye		əl	Damp	-
	0.5m	\bigtriangledown	*0.0		- 0.5_	***	is fine to coarse sub-rounded and sub- occassional cobbles.	angular with		Dry	0.5
	Leachate: (Surfactants,				-	\otimes					-
	Orthophosp hate, pH,				-	\otimes	Piece of conveyor belt at 0.4m.				
	TPH-ĊWG, SVOC)				1.0_	\otimes	MADE GROUND. Black fine to coarse angular gravel with ash matrix and poc	kets of more	-		1.0
	Soil: (Sulphate,				-	\otimes	compacted ash.				-
	TPH-CWG, VOC,		*0.0		- 1.5_					Damp	1.5
	SVOC,		0.0		-		Firm black slightly sandy CLAY with oc			Damp	-
	PCB)				-	 	to medium sub-rounded gravel and po - orange coarse sub-angular gravel.	ckets of yellow	/		-
					_ 2.0_						2.0
					-						
					_						-
	2.5m Leachate:	\boxtimes	*0.0		2.5_	·	Soft orange - brown mottled grey and r	ed slightly		Damp	2.5_
	(Surfactants, Metals,				-		sandy CLAY with occassional sub-rour				-
	Orthophosp hate, pH,				- 3.0 -	·	angular gravel.				3.0_
	SVOC) Soil: (pH,				-		Firm red - brown mottled orange and g	rov slightly		Dry	-
	VOC)				-		sandy CLAY with occassional sub-rour	nded gravel and	b		-
					- 3.5 _		occassional sandstone and limestone	cobbles.			3.5 _
					-						-
					-						_
			*0.0		4.0						4.0_
					-						-
					- 4.5_						4.5_
					-						-
					-						-
							Terminated at 5m.				5.0_
					-		reminaleu di SIII.				
					5.5_						5.5
NVO = No	<u>OCATION /</u> visual or olfac			ce			LEGEND Disturbed Sample Job Title: Plots D	BOREHO		OG	
of c	contamination	-					Undisturbed Sample Job Title: Plots D, Location: Whiteha	E,F,G, A & C Site Investig	jations		
	vel 84.739 mA backfilled with	-					★ Headspace Analysis Client: Rhodia				
							Down Borehole Analysis	App'd		Date: 09/03/07	
							Groundwater Table	CS Drawn	n : LMB : as shown	Ref: Plot D Job No: 443202	15
							♀ Perched Water Table		Size: A4	BOREHOLE	

SAMPLE Sample BoreHoLe NUMBER PAGE 1 of 1 UDD UBUER Image: Section of the sectin of the sectin of the section of the section of the sect	_	SAMPLE		(mdc	~			BOREHOLE NUMBER: TP7	704D		PAC	GE 1 of 1	
1.8m 2.0 0.0 MADE GROUND. Turf. 0.0 MADE GROUND Black gravely clay, Gravel is fine to coarse sub-angular to sub-rounded. 0.0 MADE GROUND. Black fine to coarse sub-angular and sub-rounded. 0.0 MADE GROUND. Black fine to coarse sub-angular to angular sandy gravel with an ash matrix with frequent wood, coal, slag and occassional cement clinker 0.0 1.8m 2.0 Leachate: 2.0 Gurdaants, Gravel 2.0 Gurdaants, Gravel 2.0 COBBLES of pink - red Limestone with occassional voids. Firm red - brown slightly sandy slightly gravelly CLAY. Gravel is fine to medium and sub rounded. Trab ti is backfilled with spoil NVO - Movinal or offloar gravel Ammonium, Nitrately Ammonium, Nitrately And Correl Ammonium, Nitrately And the despect Analysis COBBLES of pink - red Limestone with occassional ritable black sitit. 4.0m LeGEND VOC - Movinal or offloar yendemice stable black sitit. 4.0m LeGEND Vidisturbed Sample Vidisturbed Sample Undisturbed Sample Undisturbed Sample Vidisturbed Sample Vidisturbed Sample Vidisturbed Sample Vidisturbed Sample <				JR (p	VTER				-			C · Trial Pitting	
1.8m 2.0 0.0 MADE GROUND. Turf. 0.0 MADE GROUND Black gravely clay, Gravel is fine to coarse sub-angular to sub-rounded. 0.0 MADE GROUND. Black fine to coarse sub-angular and sub-rounded. 0.0 MADE GROUND. Black fine to coarse sub-angular to angular sandy gravel with an ash matrix with frequent wood, coal, slag and occassional cement clinker 0.0 1.8m 2.0 Leachate: 2.0 Gurdaants, Gravel 2.0 Gurdaants, Gravel 2.0 COBBLES of pink - red Limestone with occassional voids. Firm red - brown slightly sandy slightly gravelly CLAY. Gravel is fine to medium and sub rounded. Trab ti is backfilled with spoil NVO - Movinal or offloar gravel Ammonium, Nitrately Ammonium, Nitrately And Correl Ammonium, Nitrately And the despect Analysis COBBLES of pink - red Limestone with occassional ritable black sitit. 4.0m LeGEND VOC - Movinal or offloar yendemice stable black sitit. 4.0m LeGEND Vidisturbed Sample Vidisturbed Sample Undisturbed Sample Undisturbed Sample Vidisturbed Sample Vidisturbed Sample Vidisturbed Sample Vidisturbed Sample <	E E E E E E E E E E E E E E E E E E E			POL	MC	Ê	۲		507				
1.8m 2.0 0.0 MADE GROUND. Turf. 0.0 MADE GROUND Black gravely clay, Gravel is fine to coarse sub-angular to sub-rounded. 0.0 MADE GROUND. Black fine to coarse sub-angular and sub-rounded. 0.0 MADE GROUND. Black fine to coarse sub-angular to angular sandy gravel with an ash matrix with frequent wood, coal, slag and occassional cement clinker 0.0 1.8m 2.0 Leachate: 2.0 Gurdaants, Gravel 2.0 Gurdaants, Gravel 2.0 COBBLES of pink - red Limestone with occassional voids. Firm red - brown slightly sandy slightly gravelly CLAY. Gravel is fine to medium and sub rounded. Trab ti is backfilled with spoil NVO - Movinal or offloar gravel Ammonium, Nitrately Ammonium, Nitrately And Correl Ammonium, Nitrately And the despect Analysis COBBLES of pink - red Limestone with occassional ritable black sitit. 4.0m LeGEND VOC - Movinal or offloar yendemice stable black sitit. 4.0m LeGEND Vidisturbed Sample Vidisturbed Sample Undisturbed Sample Undisturbed Sample Vidisturbed Sample Vidisturbed Sample Vidisturbed Sample Vidisturbed Sample <	STF	NUMBER		AN.	INI	TH	PO						
1.8m 2.0 0.0 MADE GROUND. Turf. 0.0 MADE GROUND Black gravely clay, Gravel is fine to coarse sub-angular to sub-rounded. 0.0 MADE GROUND. Black fine to coarse sub-angular and sub-rounded. 0.0 MADE GROUND. Black fine to coarse sub-angular to angular sandy gravel with an ash matrix with frequent wood, coal, slag and occassional cement clinker 0.0 1.8m 2.0 Leachate: 2.0 Gurdaants, Gravel 2.0 Gurdaants, Gravel 2.0 COBBLES of pink - red Limestone with occassional voids. Firm red - brown slightly sandy slightly gravelly CLAY. Gravel is fine to medium and sub rounded. Trab ti is backfilled with spoil NVO - Movinal or offloar gravel Ammonium, Nitrately Ammonium, Nitrately And Correl Ammonium, Nitrately And the despect Analysis COBBLES of pink - red Limestone with occassional ritable black sitit. 4.0m LeGEND VOC - Movinal or offloar yendemice stable black sitit. 4.0m LeGEND Vidisturbed Sample Vidisturbed Sample Undisturbed Sample Undisturbed Sample Vidisturbed Sample Vidisturbed Sample Vidisturbed Sample Vidisturbed Sample <	M NON		ΥPI	SOIL	<u> SRO</u>	EP.	3EO						
1.8m Coarse sub-angular to sub-rounded. Dry 1.8m Caracel is fine to coarse sub-angular to angular sandy gravel with an ash matrix with frequent wood, coal, siag and occassional cement clinker Damp 1.8m Laenhaie: Coarse sub-angular to sub-angular to angular sandy gravel with an ash matrix with frequent wood, coal, siag and occassional cement clinker Dry 1.8m Laenhaie: Coarse sub-angular to angular sandy gravel with an ash matrix with frequent wood, coal, siag and occassional cement clinker Dry 1.6 MADE GROUND. Black fire to coarse sub-angular to angular sandy gravel with an ash matrix with frequent wood, coal, siag and occassional cement clinker Dry 1.6 Subplate, gravel is fine to medium and sub rounded. Dry 1.6 Subplate, gravel is fine to medium and sub rounded. Dry 3.0 CoBLES of pink - red Limestone with occassional or medium sub-rounded gravel and frequent pockets of triable black sitt. Dry 4.0m CoALIGN / NOTES: Refused at 4m, on pinky red LIMESTONE. Dry NVO - Ivo wald or offictory widence of contamation Stope contamation Dry 5.0 Stope contamation Stope contamation Dry 5.0 Stope contamation Stope contamation Stope contamation 6.0 Contamation Stope contamation Stope contamation 1.1 Stope contamation Sto			F	0)	Н								
I am Lanchare: Guintenen Brittingen Mabel GROUND. Bel-brown sandy gravel with a clay matrix. Gravel is fine to coarse sub-angular of sub-rounded. Dry Subhar codur a.s. MADE GROUND. Bel-brown sandy gravel with a clay matrix. Gravel is fine to coarse sub-angular of angular sandy gravel with an ash matrix with threquent wood, coal, slag and occassional cement clinker cobbies. Dry Subhar codur a.s. Sub-rounded. 1.0 I.am angular sandy gravel with a clay matrix. Gravel is fine to coarse sub-angular to angular sandy gravel with an ash matrix with threquent wood, coal, slag and occassional cement clinker cobbies. 1.8 1.18 2.0 Firm red - brown slightly sandy slightly gravelly CLAY. Gravel is fine to medium and sub rounded. 0 1.20 2.0 COBBLES of pink - red Limestone with occassional ritable black silt. 0 4.0m Lacachare: Gwintenen Phrophate. SVOC; VCC, PCR, Ammonium, Minaej Refused at 4m, on pinky red LIMESTONE. Dry 4.5 4.0m Lacachare: Gwintenen Phrophate. SVOC; 1.0 LEGEND Distribute Sample Winter Sample SVOC; Borter the subtrite to the subgrave sub-rounded gravel and frequent pockets of ritable black silt. 4.0m Lacachare: Gwinter that and conflictor windence of contamination LEGEND Distribute Sample Windistribet Sample Windistribet Sample Windistribet Sample Windistribet Sample Windistribet Sample Windistribet Sample Windistribet Sample Windistribet Sample Windistribet Sample Jab Trie the subtrite Stample Windistribet Sample Windistribet Sample						0.0_	$\times\!\!\times\!\!\times$					00111121110	0.0_
1 am Leachate: Cyanide, Cyanide						-	***		avelly clay. G	aravel is fine	e to	Dry	_
1.8m Lachate: Council and year of the bind of coarse sub-angular and sub-ounded. Damp 1.0- MADE GROUND. Blue - grey cement clinker. 1.0- 1.0- MADE GROUND. Black fine to coarse sub-angular to angular standy gravel with an ash matrix with frequent wood, coal, slag and occassional cement clinker 1.0- 1.0- MADE GROUND. Black fine to coarse sub-angular to angular standy gravel with an ash matrix with frequent wood, coal, slag and occassional cement clinker 1.0- 1.8m Lachate: 2.0- Cound 2.0- Firm red - brown slightly sandy slightly gravelly CLAY. Gravel is fine to medium and sub rounded. 0- Prophate, pH, TPH- 2.5- SVOC, PCB, Ammonium, Nitratel 2.5- 4.0m 2.5- 1.5- COBBLES of pink - red Limestone with occassional or discust of friable black sit. 4.0m 4.0- 1.5- Perfue dat 4m, on pinky red LIMESTONE. 1.5- Down Borehole Analysis 1.5- Down Borehole Analysis <td></td> <td></td> <td></td> <td></td> <td></td> <td>_</td> <td>\otimes</td> <td></td> <td></td> <td></td> <td></td> <td>Sulphur odour</td> <td></td>						_	\otimes					Sulphur odour	
1.0 Sub-rounded. MADE GROUND. Blue - grey cement clinker. 1.0 1.0 MADE GROUND. Blue fine to carse sub-angular to angular sandy gravel with an ash matrix with frequent wood, coal, slag and occassional cement clinker 1.0 1.5 1.5 Sub-rounded. 1.0 1.6 Isachate: 2.0 (Surfactants, Cyanide, Ortho 2.0 Ortho Phosphate, Supplate, Phos						0.5_	\otimes					Domp	0.5_
1.9m 1.0 MADE GROUND. Blue - grey cement clinker. 1.0 1.9m 1.5 ADE GROUND. Black fine to coarse sub-angluar to angular to angular sandy gravel with an ash matrix with frequent wood, coal, slag and occassional cement clinker 1.5 1.5 1.5 2.0 2.0 1.5 2.0 2.0 0 mb 2.0 0						_	\otimes		o coarse suc	o-angular a	na //	Damp	
1.8m 1.9 MADE GROUND. Black fine to coarse sub-angular to angular sandy gravel with an ash matrix with frequent wood, coal, slag and occassional cement clinker 1.0 1.8m 1.5 1.5 1.5 1.8m 2.0 2.0 Orinto 2.0 2.0 Stappata, bit HT 2.5 2.5 Stappata, bit HT 2.5						_	\otimes		rev cement c	linker.	/		
1.8m. I.s. 1.5. angular sandy gravel with an ash matrix with frequent wood. coal, slag and occassional cement clinker 1.8m. I.s. 1.5. 1.8m. I.s. I.seanate: 2.0. (Surfactarts, Orande, Suphate, BURPHCWG, VOC, SVOC, POB, Saria 2.0. Dortho 2.5. Barrishe 2.5. Suphate, BURPHCWG, VOC, SVOC, POB, Saria 2.5. Dortho 2.5. SVOC, SVOC, POB, TPH-CWG, VOC, SVOC, POB, Saria 2.5. Dortho 3.5. Firm red - brown slightly sandy slightly gravely CLAY. From red - brown CLAY with occassional fine to medium sub-rounded gravel and frequent pockets of friable black sit. 4.0m. Leachate: (Surfactarts, PCG, SVOC) SVOC) SVOC) SVOC) SVOC) SVOC) 4.0 Leachate: (Surfactarts, PCG, SVOC) 4.0 SVOC) SVOC) 4.5. 5.0 SVOC) 4.5. 5.0 SVOC) 4.5. 5.0 SVOC) 4.5. 5.0 SVOC) 4.5.						1.0 _	\otimes				ur to		1.0
1.8m 1.5 cobbles. 1.5 1.8m 2.0 cobbles. 1.5 (Surfactants, Ortho 2.0 2.0 2.0 Ortho Phosphate, Sulphate, TTH-CWG, VCC, Soil : (Sulphate, TTH-CWG, VCC, 2.0 2.0 SVOC, Soil : (Sulphate, TTH-CWG, VCC, 2.0 0 2.5 SVOC, PCB, Ammonium, Nitrate) 2.6 Firm red - brown slightly sandy slightly gravelly CLAY. Gravel is fine to medium and sub rounded. Dry 3.0 1.5m 0 0 0 0 0 2.0 0 0 0 0 0 1.5m 0 0 0 0 0 2.5 0 0 0 0 0 1.5m 0 0 0 0 0 <td></td> <td></td> <td></td> <td></td> <td></td> <td>_</td> <td>\otimes</td> <td>angular sandy gravel with a</td> <td>an ash matri:</td> <td>x with frequ</td> <td></td> <td></td> <td></td>						_	\otimes	angular sandy gravel with a	an ash matri:	x with frequ			
1.8m □ 1.5 □ </td <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td>\otimes</td> <td></td> <td>sional ceme</td> <td>ent clinker</td> <td></td> <td></td> <td></td>						-	\otimes		sional ceme	ent clinker			
Leachate: 2.0 Cyanide, Ortho 2.0 Phosphate, Subphate, PH, TPH- CWG, SVOC) 2.5 SVOC, PCB, Nummonium, Nitrate) 2.5 SVOC, PCB, SVOC, VOC, VOC, SVOC, PCB, Aumonium, Nitrate) 2.5 SVOC, PCB, SVOC, VOC, VOC, SVOC, VOC, VOC, SVOC, PCB, Aumonium, Nitrate) 3.0 State Aumonium, Nitrate) 3.0 State Aumonium, Nitrate) 3.0 State Aumonium, Nitrate) 3.5 State Aumonium, Nitrate) State Aumonium, Nitrate) State Aumonium, Nitrate) 3.5 State Aumonium, Nitrate) State Aumonium, Nitrate) State Aumonium, Nitrate) State Aumonium, Nitrate) State Aumonium, Nitrate) State Aumonium, Nitrate) State Aumonium, Nitrate) State Aumonium, Nitrate) State Aumonium, Nitrate) State Aumonium, State Aumonium, Nitrate) State Aumonium, Nitrate) State Aumonium, Aumonium, Nitrate) State Aumonium, Nitrate) State Aumonium, Aumonium, Nitrate) State Aumonium, Nitrate) State Aumonium, Aumo						1.5_	\otimes						1.5_
Leachate: 2.0 Cyanide, Ortho 2.0 Phosphate, Subphate, PH, TPH- CWG, SVOC) 2.5 SVOC, PCB, Nummonium, Nitrate) 2.5 SVOC, PCB, SVOC, VOC, VOC, SVOC, PCB, Aumonium, Nitrate) 2.5 SVOC, PCB, SVOC, VOC, VOC, SVOC, VOC, VOC, SVOC, PCB, Aumonium, Nitrate) 3.0 State Aumonium, Nitrate) 3.0 State Aumonium, Nitrate) 3.0 State Aumonium, Nitrate) 3.5 State Aumonium, Nitrate) State Aumonium, Nitrate) State Aumonium, Nitrate) 3.5 State Aumonium, Nitrate) State Aumonium, Nitrate) State Aumonium, Nitrate) State Aumonium, Nitrate) State Aumonium, Nitrate) State Aumonium, Nitrate) State Aumonium, Nitrate) State Aumonium, Nitrate) State Aumonium, Nitrate) State Aumonium, State Aumonium, Nitrate) State Aumonium, Nitrate) State Aumonium, Aumonium, Nitrate) State Aumonium, Nitrate) State Aumonium, Aumonium, Nitrate) State Aumonium, Nitrate) State Aumonium, Aumo						_	***						
Image: Surfactants, Cyanide, Ortho 2.0 2.0 2.0 Ortho Phosphate, Bulphate, Bulpha		-				-	\otimes						-
Ortho Subhate, H. TPH- CWG, SOC) Solt: Solt: Solt: Solt: Solt: SVOC) Solt: SVOC, PCB, Ammonium, Nitrate) 2.5- 2.5- 2.5- 2.5- 2.5- 2.5- 2.5- 2.5-		(Surfactants,	Π			2.0_	\otimes						2.0
Sulphate, WCWG, Soll: (Sulphate, TPH-CWG, VOC, Soll: (Sulphate, TPH-CWG, VOC, Soll: (Sulphate, TPH-CWG, VOC, SVOC, POB, Ammonium, Nitrate) 2.5- 2.5- 2.5- Firm red - brown slightly sandy slightly gravelly CLAY. Gravel is fine to medium and sub rounded. Dry 3.0- Ammonium, Nitrate) 3.5- COBBLES of pink - red Limestone with occassional voids. Dry 3.0- Firm red - brown CLAY with occassional voids. 3.5- Firm red - brown CLAY with occassional reachate: Dry 3.5- Suffactants, pH, TPH- CWG, SVOC) 4.0- Refused at 4m, on pinky red LIMESTONE. 4.0- 4.0- LOCATION / NOTES: LEGEND BOREHOLE LOG 4.5- 5.0- NVO = No visual or offactory evidence of contamination Ground Level 83.967 mADD Disturbed Sample Undisturbed Sample Lection: Whitehere Undisturbed Sample Undisturbed Sample Ground Level 83.967 mADD Aprd: Date: 980.007 Aprd: Date: 980.007 Trial pit is backfilled with spoil Ground Vart Table Ground Vart Table Aprd: Date: 980.007 Aprd: Date: 980.007 Contamination Ground Vart Table Ferpode Water Table Aprd: Date: 980.007 Aprd: Date: 980.007 Voc Brown Log Ferpode Water Table Fermer: Libb Aprd: Da		Ortho				-	\otimes						
PH. TPH-ICWG, GWG, SVOC) Soli : (Suphate, TPH-CWG, VOC, SVOC, PCB, Ammonium, Nitrate) 2.5- 2.5- 2.5-						-	\otimes						-
SVOC) Sui: (Sulphate, TPH-CWG, VOC, SVOC, PCB, Ammonium, Nitrate) 3.0 Firm red - brown slightly sandy slightly gravelly CLAY. Gravel is fine to medium and sub rounded. Dry 3.0 Ammonium, Nitrate) 3.5 Firm red - brown slightly sandy slightly gravelly CLAY. Gravel is fine to medium and sub rounded. Dry 3.5 Ammonium, Nitrate) 3.5 Firm red - brown CLAY with occassional voids. Dry 3.5 Firm red - brown CLAY with occassional voids. Firm red - brown CLAY with occassional fine to medium sub-rounded gravel and frequent pockets of friable black sitt. Borehole Loog 4.0 Refused at 4m, on pinky red LIMESTONE. 4.0 LOCATION / NOTES: SVOC) LEGEND BOREHOLE LOG NVO = No visual or offactory evidence of contamination Disturbed Sample Undisturbed Sample W Disturbed Sample Headspace Analysis Down Borehole Analysis Down Borehole Analysis Down Borehole Analysis Class: Whithewen Class: White were solution: White were were were as a storm wide Mater Table Apt/d: Date: 0903077		pH, TPH-				- 2.5_	\otimes						2.5
(Suphate, TPH-CWG, VOC, SVOC, PCB, Ammonium, Nitrate) 3.0 Firm red - brown slightly sandy slightly gravelly CLAY. Gravel is fine to medium and sub rounded. Dry 3.0 4.0 Firm red - brown CLAY with occassional voids. Dry 3.0 5.0 Firm red - brown CLAY with occassional fine to medium sub-rounded gravel and frequent pockets of friable black silt. Dry 3.5 4.0 Refused at 4m, on pinky red LIMESTONE. 4.0 4.0 4.5 Store Store 4.5 5.0 LOCATION / NOTES: NVO = No visual or olfactory evidence or contamination Disturbed Sample BOREHOLE LOG NVO = No visual or olfactory evidence or contamination Disturbed Sample Headspace Analysis Down Borehole Analysis Ground Level 83.967 mAOD Trial pit is backfilled with spoil Down Borehole Analysis Cient: Rhodia Perched Water Table Appdr: Date: 090307 Drawn: LUB Ber Plat D Scale: as shown Job No: 44320215		SVOC)				-	\otimes						-
VOC, SVOC, PCB, Ammonium, Nitrate) 3.0 XXX Firm red - brown slightly sandy slightly gravelly CLAY. Gravel is fine to medium and sub rounded. Dry 3.0 4.0m COBBLES of pink - red Limestone with occassional voids. Dry 3.5 Firm red - brown CLAY with occassional voids. S.5 S.5 S.5 Firm red - brown CLAY with occassional fine to medium sub-rounded gravel and frequent pockets of friable black silt. 4.0 4.0 Leachate: (Surfactants, pH, TPH- CWG, SVOC) 4.5 Refused at 4m, on pinky red LIMESTONE. 4.0 LOCATION / NOTES: NVO = No visual or offactory evidence of contamination S.5 Disturbed Sample Job Title: Plots D.E.F.G. A& C Site Investigations Location: Whilehaven Ground Level 83.967 mAOD Trial pit is backfilled with spoil Disturbed Sample Job Title: Plots D.E.F.G. A& C Site Investigations Location: Whilehaven Client: Rhoda Down Borehole Analysis Groundwater Table Mer Plot D Scale: as shown dob No: 44320215						_	\otimes						
SVOC, PCB, Mamonium, Nitrate) Firm red - brown slightly sandy slightly gravelly CLAY. Gravel is fine to medium and sub rounded. Dry Ammonium, Nitrate) COBBLES of pink - red Limestone with occassional voids. Dry 3.5- SVOC Strate is firm red - brown CLAY with occassional fine to medium sub-rounded gravel and frequent pockets of friable black silt. Dry 3.5- Leachate: (Surfactants, pH, TPH- CWG, SVOC) Refused at 4m, on pinky red LIMESTONE. 4.0- LocATION / NOTES: Stop Disturbed Sample Job Title: Plots D,E,F,G, A & C Site Investigations Location: Whitehaven NVO = No visual or offactory evidence of contamination Disturbed Sample Undisturbed Sample Job Title: Plots D,E,F,G, A & C Site Investigations Location: Whitehaven Ground Level 83.967 mAOD Trial pit is backfilled with spoil Mediapace Analysis Groundwater Table Aprd: Date: 090307 Perched Water Table Perched Water Table Aprd: Date: 090307						- 3.0_	\otimes					Drv	3.0
Ammonium, Nitrate) Ory Dry 4.0m 3.5 Strim red - brown CLAY with occassional fine to medium sub-rounded gravel and frequent pockets of friable black sit. 0 4.0m 4.0 Refused at 4m, on pinky red LIMESTONE. 4.0 9H, TPH- CWG, SVOC) 4.5 Refused at 4m, on pinky red LIMESTONE. 4.0 0 State State State State 0 Disturbed Sample Job Title: Plots D.E.F.G. A & C Site Investigations Job Title: Plots D.E.F.G. A & C Site Investigations 0 Disturbed Sample Undisturbed Sample Location: Whitehaven 0 Trial pit is backfilled with spoil Down Borehole Analysis Conundwater Table 0 Perched Water Table Perched Water Table Date: 0903077		SVOC,				-					.AY.	2.9	-
Nitrate) COBBLES of pink - red Limestone with occassional voids. 3.5 4.0m Firm red - brown CLAY with occassional fine to medium sub-rounded gravel and frequent pockets of friable black silt. 3.5 4.0m Refused at 4m, on pinky red LIMESTONE. 4.0 4.0 4.5 4.5 5.0 4.5 5.0 VOC = No visual or olfactory evidence of contamination Disturbed Sample Indisturbed Sample Undisturbed Sample Indisturbed Sample Coation: Whitehaven Contamination Ground Level 83.967 mAOD Trial pit is backfilled with spoil Groundwater Table Ferched Water Table Apd': Derive Water Table Derive Water Table		Ammonium,				_						Dry	
4.0 m Firm red - brown CLAY with occassional fine to medium sub-rounded gravel and frequent pockets of friable black silt. 4.0 m Refused at 4m, on pinky red LIMESTONE. (Surfactants, pH, TPH-CWG, SVOC) 4.5 5.0 5.0 10		Nitrate)				35	<u></u> -		nestone with	occassion	al	·	35
4.0 m 4.0 m and frequent pockets of friable black silt. 4.0 m Leachate: (Surfactants, pH, TPH-CWG, SVOC) A.0 4.5 4.5 A.5 5.0 5.0 Borethole Loog VVO = No visual or olfactory evidence of contamination Disturbed Sample Undisturbed Sample Ground Level 83.967 mAOD Trial pit is backfilled with spoil Morethole Analysis Ground water Table For our stable Apd: Down Borehole Analysis Groundwater Table Apd: Derived Water Table Date: 09(03)07 Drawn : LMB Ref: Pigt D Scale: as shown Job No: 44320215						3.5 _			honoccion	al fina ta			3.5 _
4.0m Leachate: (Surfactants, pH, TPH- CWG, SVOC) 4.0 4.0 4.5 - - - 4.5 - - - 5.0 - - - 5.0 - - - 5.0 - - - 5.0 - - - 5.0 - - - 5.0 - - - 5.0 - - - 5.0 - - - 5.0 - - - - 5.0 - - - - 5.0 - - - - 5.0 - - - - 5.0 - - - - 5.0 - - - - 10 Itilize - - - 10 - - - - - 11 - - - - - -						-					of		-
Leachate: A						-	·	friable black silt.		•			
pH, TPH- CWG, SVOC) 4.5- 5.0- 4.5- 5.0- LOCATION / NOTES: 5.0- NVO = No visual or olfactory evidence of contamination 5.0- Ground Level 83.967 mAOD Trial pit is backfilled with spoil Disturbed Sample Undisturbed Sample Headspace Analysis Groundwater Table Job Title: Plots D,E,F,G, A & C Site Investigations Location: Whitehaven Client: Rhodia Date: 09/03/07 Perched Water Table Perched Water Table						4.0_		Refused at 4m, on pinky re	d LIMESTO	NE.			4.0
CWG, SVOC) 4.5- 						-							-
LOCATION / NOTES: 5.0_ NVO = No visual or olfactory evidence of contamination Disturbed Sample Image: Contamination on trial pit is backfilled with spoil Undisturbed Sample Image: Contamination on trial pit is backfilled with spoil Image: Contamination on trial pit is backfilled with spoil Image: Contamination on trial pit is backfilled with spoil Image: Contamination on trial pit is backfilled with spoil Image: Contamination on trial pit is backfilled with spoil Image: Contamination on trial pit is backfilled with spoil Image: Contamination on trial pit is backfilled with spoil Image: Contamination on trial pit is backfilled with spoil Image: Contamination on trial pit is backfilled with spoil Image: Contamination on trial pit is backfilled with spoil Image: Contamination on trial pit is backfilled with spoil Image: Contamination on trial pit is backfilled with spoil Image: Contamination on trial pit is backfilled with spoil Image: Contamination on trial pit is backfilled with spoil Image: Contamination on trial pit is backfilled with spoil Image: Contamination on trial pit is backfilled with spoil Image: Contamination on trial pit is backfilled with spoil Image: Contamination on trial pit is backfilled with spoil Image: Contamination on trial pit is backfilled with spoil Image: Contamination on trial pit is backfilled with spoil Image: Contamination on		ĊWG,				_							
LOCATION / NOTES: LEGEND BOREHOLE LOG NVO = No visual or olfactory evidence of contamination Disturbed Sample Job Title: Plots D,E,F,G, A & C Site Investigations Ground Level 83.967 mAOD Undisturbed Sample Job Title: Plots D,E,F,G, A & C Site Investigations Image: Headspace Analysis Down Borehole Analysis Client: Rhodia Image: Down Borehole Analysis Groundwater Table App'd: Date: 09/03/07 Image: Perched Water Table Perched Water Table Scale: as shown Job No: 44320215		3000)				4.5							4.5
LOCATION / NOTES: LEGEND BOREHOLE LOG NVO = No visual or olfactory evidence of contamination Disturbed Sample Job Title: Plots D,E,F,G, A & C Site Investigations Ground Level 83.967 mAOD Undisturbed Sample Job Title: Plots D,E,F,G, A & C Site Investigations Image: Note that the state of						_							
LOCATION / NOTES: LEGEND BOREHOLE LOG NVO = No visual or olfactory evidence of contamination Disturbed Sample Job Title: Plots D,E,F,G, A & C Site Investigations Ground Level 83.967 mAOD Undisturbed Sample Job Title: Plots D,E,F,G, A & C Site Investigations Image: Note that the state of						_							
NVO = No visual or olfactory evidence of contamination Disturbed Sample Ground Level 83.967 mAOD Trial pit is backfilled with spoil Disturbed Sample Headspace Analysis Client: Rhodia Down Borehole Analysis Groundwater Table Perched Water Table Perched Water Table						5.0 _							5.0
NVO = No visual or olfactory evidence of contamination Disturbed Sample Job Title: Plots D,E,F,G,A & C Site Investigations Ground Level 83.967 mAOD Trial pit is backfilled with spoil Undisturbed Sample Job Title: Plots D,E,F,G,A & C Site Investigations Location: Whitehaven Client: Rhodia Perched Water Table Perched Water Table				TEO		-				DODD			
Ground Level 83.967 mAOD Trial pit is backfilled with spoil Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table Perched Water Table Perched Water Table Client: Rhodia Location: Whitehaven Client: Rhodia App'd: Date: 09/03/07 Drawn : LMB Ref: Plot D Scale: as shown Job No: 44320215	NVO = No	o visual or olfac			ce				Job Title: Plate D			JUG	
Trial pit is backfilled with spoil ★ Headspace Analysis Client: Rhodia ↓ Down Borehole Analysis Groundwater Table ↓ Perched Water Table Down 300 monormal													
Groundwater Table UTRS Drawn : LMB Ref: Plot D Scale: as shown Job No: 44320215				il				Headspace Analysis					
\checkmark Perched Water Table								Down Borehole Analysis			App'd:	Date: 09/03/07	
\checkmark Perched Water Lable								Groundwater Table		(5			15
								$\sum_{i=1}^{\infty}$ Perched Water Table		——————————————————————————————————————			

z	SAMPLE	TYPE SOIL VAPOUR (ppm)	œ			BOREHOLE NUMBER: TP7(05D		PAGE	1 of 1	
BOREHOLE CONSTRUCTION		– n	ATEI			DRILLING DATES: 8th March 200	07	DRILLING METH	-10DS ·	Trial Pitting	
E SUR		POL	GROUNDWA	(E	۲	DRILLER : Joy Plant		BOREHOLE DIA			
ORE	NUMBER		N	TH (EOLOGY	LOGGED BY : KL		SCREEN TYPE			
^m NOS		SOIL	<u>SRC</u>	DЕРТН (m)	GEC	CHECKED BY : ARD		SCREEN SLOT	SIZE: r	ı/a	
			\dashv								
	1.5m Leachate: (Surfactants, Metals, Cyanide, Orthophosp hate, pH, TPH-CWG, SVOC) Soil: (Metals, Cyanide, Orthophosp hate, pH, TPH-CWG, VOC, PCB, Ammonium, Nitrate)	×<0.1				DESCRI MADE GROUND. Soft brow sandy clay. Gravel is fine to MADE GROUND. Black ash wood and slag with occassic brown very sandy clay with f angular to sub-angular grave At 0.9m Blue thin cable runn At North end of trial pit: 0.4 -0.6m Grey sandy grave 0.6m blue - grey cement clir 0.9m large piece of wood	very sandy C	angular. vel with coal of orange - to coarse fine to coarse vest. concrete	/	DMMENTS Dry, NVO	
	4.8m Leachate: (Surfactants, pH, TPH- CWG, SVOC) Soil: (Sulphate, SVOC)	∝<0.1				Terminated at 4.8m, on SIL ⁻	TSTONE.				4.0 4.0 4.5 4.5 5.0
<u> </u>	LOCATION / I	NOTES:			1	LEGEND		BOREHOI	LE LO	OG	1
	visual or olfact contamination	ory eviden	се			Disturbed Sample		G, A & C Site Investiga			
	evel 84.425 mA	OD				Undisturbed Sample	Location: Whitehave	n			
	backfilled with	-					Client: Rhodia	i		1_	
						Down Borehole Analysis		App'd:		Date: 09/03/07	
						Groundwater Table	UR	Drawn	: LMB as shown	Ref: Plot D Job No: 443202	15
						Perched Water Table			ize: A4	BOREHOLE	

z	SAMPLE		SOIL VAPOUR (ppm)	£			BOREHOLE NUMBER: TP706	D	PA	GE 1 of 1	
BOREHOLE CONSTRUCTION			UR (ATE			DRILLING DATES: 8th March 2007	DRILLING)S : Trial Pitting	
RUG BHG			APO	DV	<u>ا</u>	Ъ	DRILLER : Joy Plant	BOREHOLE			
NST N	NUMBER	ш	L </td <td>NNC</td> <td>DEPTH (m)</td> <td>EOLOGY</td> <td>LOGGED BY : KL</td> <td>SCREEN T</td> <td>YPE & D</td> <td>IAM: n/a</td> <td></td>	NNC	DEPTH (m)	EOLOGY	LOGGED BY : KL	SCREEN T	YPE & D	IAM: n/a	
U U U U U U U U U U U U U U U U U U U		IYPI	SOI	GROU	DEF	GEO	CHECKED BY : ARD	SCREEN S	LOT SIZ	E: n/a	
					0.0_		DESCRIPT	TION		COMMENTS	0.0_
					- - - 0.5		MADE GROUND. Soft brown s Frequent fine to coarse and an gravel. MADE GROUND. Grey - black gravelley sand with fine to coar brick, coal and occassional pie	ngular to sub-angula < ashy slightly clayey urse gravel of concre	ır 	– Dry, NVO	0.5_
			*<0.1		- - 1.0	***	MADE GROUND. Concrete an		ker.	 Strong sulphur odour 	- - 1.0_
					-	\bigotimes	MADE GROUND. Black ashy			-	-
					_ 1.5	\bigotimes	coal, slate, brick and slag with cobbles of brick and cement cl	occassional large			- 1.5_
					-		At 1.1m blue cable running eas	st to west.			
	2.0m Leachate: (Surfactants,	ctants,					At 2.5m recovering bricks at so	outheast end of pit.			_ 2.0
	pH, TPH- CWG, SVOC)				- - 2.5_	\bigotimes				 Slight kerosene 	2.5 _
	Soil: (Sulphate, TPH-CWG, VOC, PCB)				-		MADE GROUND. Black ashy s slag, slate and brick.	sandy gravel of coal	I	odour	-
	,				_ 3.0 _						
	4.2m Leachate: (Surfactants, Metals, Cyanide, Orthophosp		*<0.1		- - 3.5_ -						- - 3.5_ -
	hate, pH, TPH-CWG, SVOC) Soil: (Metals,	*	*<0.1		- - 4.0		Soft to firm orange - brown slig occassional fine to medium su occassional flecks of black and	ib-angular gravel an			4.0
							Terminated at 4.2m.				- 4.5_ -
					- - 5.0_						- - 5.0_
	LOCATION / N	NOT	ES:			I	<u>LEGEND</u>	BOREH	IOLE	LOG	
	visual or olfact contamination	ory e	videnc	e			· ·	o Title: Plots D,E,F,G, A & C Site In	vestigations		
	evel 84.680 mA	-						cation: Whitehaven			
i riai pit is	backfilled with	spoli					 ★ Headspace Analysis Clief Clief Down Borehole Analysis 	ent: Rhodia	App'd:	Date: 09/03/07	
									Drawn : LME		
							∇ Perched Water Table		Scale: as sh	Iown Job No: 443202	
							-		Drg. Size: A	4 BOREHOLE	LOG

z	SAMPLE		SOIL VAPOUR (ppm)	В			BOREHOLE NUMBER: TP7			PAGE	1 of 1	
BOREHOLE CONSTRUCTION		Н	UR (ATER			DRILLING DATES: 8th March 20	07	DRILLING MET	HODS :	Trial Pitting	
BHO			APO	GROUNDWA	Ē	G≺	DRILLER : Joy Plant		BOREHOLE DI			
NST N	NUMBER	ш	L </td <td>NNC</td> <td>DEPTH (m)</td> <td>GEOLOGY</td> <td>LOGGED BY : LMB</td> <td>;</td> <td>SCREEN TYPE</td> <td>& DIAM</td> <td>: n/a</td> <td></td>	NNC	DEPTH (m)	GEOLOGY	LOGGED BY : LMB	;	SCREEN TYPE	& DIAM	: n/a	
ШÖ.		TYPE	SOI	GR(DEF	GEO	CHECKED BY : ARD		SCREEN SLOT	SIZE: n	/a	
					0.0		DESCR			CC	OMMENTS	0.0
	0.5m Leachate: (Surfactants, Metals, Cyanide, Orthophosp hate, pH, TPH-CWG, SVOC) Soil: (Metals, Cyanide, Orthophosp hate, Sulphate, TPH(ali/aro split), VOC, SVOC, PCB)			X1.	0.0		MADE GROUND. Brown sa fine to coarse sub-angular g cobbles of cement clinker. MADE GROUND. Grey me angular to angular gravel. MADE GROUND. Reddish matrix. Gravel is fine to coa MADE GROUND. Black sul angular gravel with occassi MADE GROUND. Bricks ar Refused at 1m.	andy clay with gravel and oc dium to coars brown gravel irse sub-angu b-rounded su onal fragmen	cassional se sub- with clayey ilar to angula b-angular an	r.	Damp Wet Damp	0.0
NVO = No of Ground Le	LOCATION / visual or olfac contamination evel 85.054 mA backfilled with	tory e	<u>ES:</u> videno	ce			LEGEND Disturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table ♀ Perched Water Table	Job Title: Plots D,E,F Location: Whitehaver Client: Rhodia	App'c Draw Scale	gations	Date: 09/03/07 Ref: Plot D Job No: 4432021 BOREHOLE	

	SAMPLE		(m						P	AGE 1 of 1	
, , Z			SOIL VAPOUR (ppm)	EB.			BOREHOLE NUMBER: TP709	9D			
BOREHOLE CONSTRUCTION			OUF	WAT		~	DRILLING DATES: 7th March 2007			DS : Trial Pitting	9
	NUMBER		VAP	GROUNDW	DEPTH (m)	GEOLOGY	DRILLER : Joy Plant			TER : n/a	
DNS NC		YPE	OIL	<u>B</u> OL	EPT	EOL		SCREEN			
ŏ		ŕ	SC	Ū	ā	Q	CHECKED BY : ARD	SCREEN	SLOT SIZ	-	
					0.0_	xxx	DESCRIP		- '0	COMMENTS	0.0
					- - - 0.5_		MADE GROUND. Grass over with frequent coarse angular g intermittent band of white - blu	gravels rare rootlets	SIIT S	Dry, NVO	- - - 0.5_
	0.8m Leachate:	\times	*0.0 *0.0		-		MADE GROUND. White - blu coarse angular gravels and of boulders.			Dry, NVO	-
	Sulphate, CWG.				- 1.0_ -		MADE GROUND. Dark browr bricks and cobbles of cement	n sandy silt with free t clinker.	quent		1.0
	SVOC)				-	\otimes					
	Soil: (Orthophosp				1.5_						1.5
	hate, pH, TPH(ali/aro				-	\bigotimes	MADE GROUND. Dark browr	n clightly condy city	with	Dry, NVO	-
	split), SVOC,				-		occassional cobbles of cemer		VVILII		_
	Ammonium, Nitrate)			¥.	2.0_	\otimes					2.0_
					-	\otimes					-
					-					5 11/0	-
			*0.0		2.5_		Firm to stiff red - brown sandy			– Dry, NVO	2.5
					-		fine to coarse sub-angular to black flecks of organic materi		ls and		-
					3.0_		black neeks of organic materi	iai.			3.0_
					- 0.0	·					- 0.0
					-						
					3.5_						3.5_
	0.0				-						-
	3.9m Leachate:				-	 					
	(Surfactants, Metals,	\square	*0.0		4.0_					4	4.0
	Cyanide, Orthophosp				-		Terminated at 4m.				
	hate, pH, TPH-CWG,				-						-
	SVOC) Soil:				4.5_						4.5
	(Orthophosp										-
	hate, VOC, PCB)				-						-
					5.0_						5.0
	LOCATION /					1	LEGEND	BORE	HOLE	LOG	
	o visual or olfac contamination	tory	eviden	се				bb Title: Plots D,E,F,G, A & C Site			
	evel 84.872 mA							ocation: Whitehaven			
Trial pit is	backfilled with	spo	oil				 ★ Headspace Analysis Cii ★ Down Borehole Analysis 	lient: Rhodia	App'd:	Date: 09/03/07	
								URS	Drawn : LM		
							 ♀ ♀ ♀ Perched Water Table 	UND	Scale: as sl		
							-		Drg. Size:	4 BOREHOL	E LOG

z	SAMPLE	SOIL VAPOUR (ppm)	ER		BOREHOLE NUMBER: TP710D	PAGE 1 of 1	
BOREHOLE CONSTRUCTION					DRILLING DATES: 7th March 2007	DRILLING METHODS : Trial Pittin	a
RUC BUC		POI	GROUNDWA	(E)		BOREHOLE DIAMETER : n/a	0
NST N	NUMBER		NNC	DEPTH (m)	LOGGED BY : KL	SCREEN TYPE & DIAM: n/a	
Ш О С С	T V D E		GRC		CHECKED BY : ARD	SCREEN SLOT SIZE: n/a	
				0.0	DESCRIPTION	COMMENTS	<u> </u>
		*<0.1	Å		MADE GROUND. Concrete with thin re- concrete foundation along the south side pit.	e of the trial // Slight sulphur	- 0.0
	0.4m Leachate: (Surfactants, Metals,	*65.1		0.5 _ - -	MADE GROUND.Brown-black sandy gra- medium to coarse and angular.	/	0.5
	Cyanide, Orthophosp hate,				MADE GROUND. Brown very gravelly c medium-coarse with frequent large cobb Large redundant cable running north-so	bles of brick.	- - 1.0
	Sulphate, pH, SVOC) Soil: (Orthophosp		× ۲		Soft to firm black mottled brown very silt	water ingress a west side. Water is black with ar	er _
	hate, Sulphate, pH, TPH (ali/aro split), VOC,					oily sheen. Tria pit filled with water at the bottom	ll
	SVOC, Ammonium, Nitrate)			2.0			2.0
				2.5			_ _ 2.5
					Soft light brown - orange gravelly CLAY.	Gravel is fine	3.0_
				3.5	to coarse and angular.		
	4.0m Leachate:	*30.2		 4.0 	Terminated at 4m.		4.0
	(Surfactants, Orthophosp hate, pH, TPH-CWG) Soil: (SVOC)			- - 4.5_ -			- - 4.5_
				- - 5.0_ -			- - 5.0_
		IOTES:			LEGEND	BOREHOLE LOG	
of c	visual or olfacto contamination		ce		Lindiaturbad Sampla	F,G, A & C Site Investigations	
	evel 84.436 mAC backfilled with s				Headspace Analysis Client: Rhodia	en	
					Down Borehole Analysis	App'd: Date: 09/03/0	7
1					Groundwater Table	Drawn : LMB Ref: Plot D	
						Scale: as shown Job No: 4432	

z	SAMPLE		SOIL VAPOUR (ppm)	ER			BOREHOLE NUMBER: TP711D		PAGE 1 of 1	
BOREHOLE CONSTRUCTION		Π	UR (⊢⊢			DRILLING DATES: 7th March 2007		ODS : Trial Pitting	
			POI	GROUNDWA	(E)	ک تا	DRILLER : Joy Plant	BOREHOLE DIA		
ISTI	NUMBER	ш	_ <	NN	H	JC O	LOGGED BY : KL	SCREEN TYPE	& DIAM: n/a	
ш со		TYPE	soll	GRO	DEPTH (m)	GEOLOGY	CHECKED BY : ARD	SCREEN SLOT	SIZE: n/a	
_		ľ †		+			DESCRIPTION		COMMENTS	
	0.4m Leachate: (Surfactants, Metals, Cyanide, Orthophosp hate, Sulphato	\boxtimes	*<0.1		0.0		MADE GROUND. Concrete with re-bar of trial pit concrete at 0.5m, continued w half of the trial pit. MADE GROUND. Soft slightly sandy ve with occassional bricks, metal cans, wo rebar and ceramics. Soft brown slightly silty CLAY with frequ	with southern ery gravelly clay bod, glass,	Dry, slight hydrocarbon odour	0.0
	Sulphate, pH, TPH- CWG, SVOC) Soil: (Metals, Cyanide,				1.0_ - - 1.5_		coarse angular gravel.		Dry NVO	1.0_ - - 1.5_
	Orthophosp hate, Sulphate, pH, TPH- CWG, VOC, SVOC, PCB)						CLAY with pockets of red silt and yellow Gravel is fine to coarse sub-angular to	w sandy clay.		1.5 2.0
	2.4m Leachate: (Surfactants, pH, SVOC) Soil: (TPH- CWG, VOC, SVOC, Ammonium, Nitrate)		*<0.1	Å-	- - 2.5 _ - - 3.0 _ - - - - - - - - - - - - - - - - - - -				black water, sulphur odour	
							Terminated at 4.2m.			
					- - - 5.0_					- - 5.0 _ -
NVO = No	LOCATION / visual or olfac	NC) TES: / eviden/	се			LEGEND	BOREHOL	E LOG	
	contamination						Lindiaturbad Sampla	E,F,G, A & C Site Investiga	tions	
	evel 84.521 mA	-					Undisturbed Sample	ven		
I rial pit is	backfilled with	spo	ווכ				 ★ Headspace Analysis Client: Rhodia ↓ Down Borehole Analysis 	App'd:	Date: 09/03/07	
							▼ Groundwater Table			
							Groundwater Table	Scale:	as shown Job No: 4432021	5
								Drg. Si	ze: A4 BOREHOLE	LOG

	SAMPLE	(mq			BOREHOLE NUMBER: WS	27120		PAGE	1 of 1	
BOREHOLE CONSTRUCTION		SOIL VAPOUR (ppm)	GROUNDWATER		DRILLING DATES: 8th March 2	007	DRILLING MET			mpling
H H H H H H H H H H H H H H H H H H H		APC	NDV		DRILLER : Global Probing and	Sampling	BOREHOLE D	IAMETEI	R : 200mm	
NST NST	NUMBER		no		LOGGED BY : PM		SCREEN TYPE	E & DIAN	<u>/ :</u> 50mm (Ge	eosock)
-8		SO IX	GR	Ц П С	CHECKED BY : ARD		SCREEN SLO	T SIZE: 1	lmm	
				.0	DESCF	RIPTION		C	OMMENTS	0.0
	0.5m Leachate: (Metals, Cyanide,	*0.0			MADE GROUND. Very sof gravelly clay. Gravel is fine rounded with frequent root	sub-angula			Damp, NVO Damp, NVO	-
	Orthophosp hate, pH)	*0.0	0	.5	MADE GROUND. Orange Gravel is coarse sandstone	е.	-			0.5
	0.9m				MADE GROUND. Grey slig					
	Leachate: (Surfactants, Sulphate, pH, TPH- CWG,		1	-0. 	MADE GROUND. Black sli fine to coarse sub-angular and occassional red brick f	to angular g				1.0
	SVOC)	*0.0	1	.5	8					_ 1.5 _
	1.5m Soil: (TPH (ali/aro split),				8					-
	VOC, SVOC, PCB)			.0-0.	MADE GROUND. Soft dar	k brown verv	sandy slightly	v		2.0
		*0.0		 	gravelly clay with flecks of angular to sub-rounded of	coal. Gravel		,	Dry, NVO	-
				.5	Soft orange - brown gravel is fine to medium sub-angu sandstone.			el		2.5
			3	.00 	Firm dark brown sandy ver	r to angular	brown		Dry, NVO	3.0
		*0.0	3	.5	limestone with some veins crystals.	and dissolu	tion holes with			- 3.5_
	3.8m	X								-
	Leachate: (Surfactants, Orthophosp	*0.0	4	00.	=] 값 LIMESTONE recovered as	a brown fin	e to medium			4.0
	hate, pH) Soil:				sub-angular gravel with sm		on holes.			-
	(Ammonium, Nitrate)			_]	Terminated at 4.1m on LIM	IESTONE.				$\left \begin{array}{c} 1 \\ 1 \end{array} \right $
	,		4	.5						4.5
				_						-
										5.0
				-						-
	OCATION / N	NOTES:			LEGEND		BOREHO	LELO	OG	
	visual or olfacte	ory eviden	ce		Disturbed Sample	Job Title: Plots D,	E,F,G, A & C Site Investi	igations		
Ground Level 84.448 mAOD Trial pit is backfilled with spoil					Undisturbed Sample	Location: Whiteha	ven			
Trial pit is backfilled with spoil					 Headspace Analysis Down Borehole Analysis 	Client: Rhodia	App'	d:	Date: 09/03/07	
					Groundwater Table	UF		vn : LMB	Ref: Plot D	
					♀ Perched Water Table			e: as shown		
					-		Drg.	Size: A4	BOREHOLE	LUG

	SAMPLE	(mq			BOREHOLE NUMBER: TP7	/13D	PAGE 1 of 1	
BOREHOLE CONSTRUCTION		SOIL VAPOUR (ppm)	ATER		DRILLING DATES: 7th March 20		 [HODS : Trial Pitting	
UC HO		POL	<u>GROUNDWA</u>	î į		BOREHOLE D		
STF	NUMBER	A N	INI	E S	LOGGED BY : KL	SCREEN TYPE		
M NO N	LVDF		BO	DEPTH (m)	CHECKED BY : ARD	SCREEN SLO		
			H					
				0.0	DESCR MADE GROUND. Soft brow			0.0
				-**	coarse gravel.			
				-18	MADE GROUND. Blue cerr	nent clinker.	Dry, NVO	
	0.5m Leachate:	<		0.5-8	MADE GROUND. Brown - I		Λ	0.5
	(Surfactants,			-78	Gravel is medium to coarse angular.	e and angular to sub-		
	Metals, Cyanide,				MADE GROUND. Black as	hy sandy gravel of coal ar	/ nd	
	Orthophosp hate,			1.0-8	slag with frequent cobbles of	of brick. Gravel is angular		1.0_
	Sulphate, pH, TPH-				and coarse.			
	CWG, SVOC)			- 18	8			
	Soil: (Metals,			1.5_	×			1.5_
	Cyanide,				8			
	Ortho Phosphate,			- 18	8			
	Sulphate, pH, TPH	*<0.1		2.0	MADE GROUND. Concrete	with occassional black		2.0
	(ali/aro split), VOC,				coal cobbles and black san			
	SVOC, PCB.				MADE GROUND. Black as		Dry, NVO	
	Ammonium, Nitrate)			2.5	Gravel is fine to coarse and			2.5
	Nillale)			-==	-] -] Orange - brown gravelly ver	ry silty CLAY. Gravel is fir		-
					to coarse and angular to su large cobbles and pockets			
				3.0==		or yellow compacted sand		3.0
					=]			
				3.5				3.5
	4.8m Leachate:							-
	(Surfactants,				=]			
	Metals, Cyanide,			4.0				4.0
	Orthophosp hate, pH,			-==	 			-
	TPH-CWG, SVOC)							
	Soil: (Sulphate,			4.5				4.5
	TPH(ali/aro split))	*<0.1		-				-
	spiit))				Terminated at 4.8m.			
				5.0				5.0
i	LOCATION / N	I IOTES:			LEGEND	BOREHO	LE LOG	
NVO = No	visual or olfacto		ce		Disturbed Sample	Job Title: Plots D,E,F,G, A & C Site Invest		
	evel 84.906 mAC	DD			Undisturbed Sample	Location: Whitehaven		
	backfilled with s				Headspace Analysis	Client: Rhodia		
					Down Borehole Analysis		d: Date: 09/03/07 vn : LMB Ref: Plot D	
					 ✓ Groundwater Table ✓ Perched Water Table 		e: as shown Job No: 443202	15
						Drg.	Size: A4 BOREHOLE	LOG

7	SAMPLE		SOIL VAPOUR (ppm)	œ			BOREHOLE NUMBER: TP714D		PAG	<u>=</u> 1 of 1	
BOREHOLE CONSTRUCTION			l) R(<u>I</u> TEF			DRILLING DATES: 7th March 2007	DRILLING ME		Trial Pitting	
E E E E E E E E E E E E E E E E E E E			POL	M	Ê	۲	DRILLER : Joy Plant	BOREHOLE D			
STF	NUMBER	ш	AN -	N	Η Η	Ŭ	LOGGED BY : KL	SCREEN TYP			
		<u>-YPE</u>	SOIL	<u>GROUNDW</u>	DEPTH (m)	GEOLOGY	CHECKED BY : ARD	SCREEN SLO			
			0)	H		-	DESCRIPTION			OMMENTS	
).0	***	MADE GROUND. Concrete.				- 0.0 _
	0.5m		*<0.1).5					Dry, NVO	- - 0.5_
	Leachate: (Surfactants, Orthophosp hate,						MADE GROUND. Dark brown - black with frequent subangular medium grav	vel.			-
	Sulphate, pH, TPH-			1	.0_	***	At 1.1m Pipe (20cm diameter) running				1.0_
	CWG, SVOC)					**	At 1.5m Large cobble/ boulder of limes	stone.			-
	Soil: (Sulphate,				.5_	**	At 2.1m cable running east to west.				- 1.5
	TPH-CWG, VOC,				.5_	***					1.5 _
	SVOC, Ammonium,				-	***					-
	Nitrate)				2.0_	***					2.0
					-	***					-
					_	***					-
				2	2.5	****	Orange - brown clayey SILT with occa	ssional pocket	ts		2.5
					-	× × × × × × × × × × × × × × × × × × ×	of yellow fine sand with fine to medium	n sub-rounded			_
					- 3.0_	× × × × × × × × × × × × × × × × × ×	gravel and frequent pockets of orange with fine to medium sub-rounded to su				3.0
					- 0.0	× × × × × × × × × × × × × × × × × × ×	gravel.				- 3.0
					-	× × × × × × × × × × × × × × × × × × ×					-
	4.3m				_ 3.5 _	*****					
	Leachate: (Surfactants.					====	Orange - brown very silty gravelly CLA	Y. Gravel is		Dry, NVO	-
	Metals, Cyanide,					====	sub-rounded to sub-angular and fine.				
	Orthophosp hate, pH,										4.0
	TPH-CWG,				-						-
	SVOC) Soil: (Ortho	×,	*<0.1		_	1	Terminated at 4.3m.				_
	Phosphate, pH, SVOC,				.5_						4.5 —
	TOC/PSD)				-						-
					-						-
				5	5.0						5.0_
	LOCATION / I	L L NOTI	ES:				LEGEND	BOREHC		OG	
	o visual or olfact contamination			e				,E,F,G, A & C Site Inves		~ ~	
	evel 85.244 mA						Undisturbed Sample	aven			
Trial pit is	backfilled with	spoil					 ★ Headspace Analysis Client: Rhodia ♦ Down Borehole Analysis 	Арр	'd:	Date: 09/03/07	
							Groundwater Table		wn : LMB	Ref: Plot D	
							♀ Perched Water Table		le: as shown		
							-	Drg.	. Size: A4	BOREHOLE	E LUG

Z	SAMPLE	(mqq)		_		BOREHOLE NUMBER: WS	715D		PAG	E 1 of 1	
BOREHOLE CONSTRUCTION	NUMBER	TYPE SOIL VAPOUR (ppm)		EPTH (m)	ЭGΥ	DRILLING DATES: 8th March 20 DRILLER : Global Probing and		DRILLING ME BOREHOLE [: Trial Pitting R : 200mm	
BOF					EOLOGY	LOGGED BY : LMB				<u>M:</u> 50mm (Geo	osock)
U C C		≿ S	ц С		В	CHECKED BY : ARD		SCREEN SLC	OT SIZE:	1mm	
				0.0_	~~~~		RIPTION		C	COMMENTS	0.0
	0.5m Leachate: (Surfactants, Sulphate,		¥.			MADE GROUND. Light gre angular to angular gravel.	ey fine to co	arse sub-		Dry Wet	- - - 0.5_
VIA VIA	pH, TPH- CWG,	⊠ *0.0	Ē	-		MADE GROUND. Grey fine angular gravel in a beige sa	e to coarse andy matrix	subangular to		Dry	_
	SVOC) 1.4m			- - 1.0_		MADE GROUND. Grey fine angular gravel with occassi	e to coarse	sub-angular to	0	Dry	- - 1.0
	Soil: (Sulphate, pH, TPH	*0.0		- - 1.5_		MADE GROUND. Light gre	-			Damp	- - 1.5_
	(ali/aro split), VOC)	*0.0		-		easily friable gravel with oc cement clinker and yellow r	cassional b	lue- grey			-
	1.5m Leachate: (Surfactants, Metals,	*0.0	<u>я</u>	2.0_		MADE GROUND. Firm black clay with occassional coal f rounded and sub-angular.	ck mottled o	orange gravel	<u> </u>	Wet	2.0
	Cyanide, Orthophosp hate, TPH- CWG, SVOC)	*0.0		2.5_		MADE GROUND. Firm red gravelly clay with rare potte to medium and sub-rounde	ry fragment		ine		2.5
	Soil: (Metals, Cyanide,			3.0_		MADE GROUND. Firm blad occassional sub-rounded g MADE GROUND. Firm ora	ravel.				3.0
	Orthophosp hate, SVOC, Ammonium, Nitrate)		¥	3.5_		Gravel is medium to coarse and sandstone. Cobble of sandstone at 2.7 Clay becoming soft from 2.	e, sub-round m.		one /	Wet lack staining from 3.6m Damp	- 3.5_ - - -
		*0.0	목	4.0		MADE GROUND. Large wo).		Wet	4.0
	4.2m Soil: (VOC)			-	-	MADE GROUND. Grey fine angular gravel.					-
	4.6m Leachate:			4.5_	-	Firm red - brown gravelly C coarse sub-rounded to rour			o	Dry	4.5
	(Surfactants, pH, TPH- CWG)			5.0_ -	-	Firm to stiff red - brown ver occassional coal flecks. Gr sub-rounded and sub-angu	avel is med	ium to coarse	,		
				5.5_	-	Refused at 4.8m, possible	BEDROCK.				- - 5.5 -
				- 6.0_ -	-						- - 6.0 - -
				<u> </u>	4	LEGEND		BOREHO	DLE L	/OG	
	visual or olfact ontamination	lory evide	ence			Disturbed Sample	Job Title: Plots D	E,F,G, A & C Site Inves	stigations		
	vel 85.722 mA					 Undisturbed Sample Headspace Analysis 	Location: Whiteha	aven			
		spoli				Down Borehole Analysis		App	p'd:	Date: 09/03/07	
						Groundwater Table	UB		awn : LMB	Ref: Plot D	
						$\stackrel{=}{\simeq}$ Perched Water Table			ale: as show		
						-		Drg	g. Size: A4	BOREHOLE	LUG

7	SAMPLE		SOIL VAPOUR (ppm)	ſſ			BOREHOLE NUMBER: TP716	SD	PAG	GE 1 of 1	
BOREHOLE CONSTRUCTION		\square	JR (F	VTER			DRILLING DATES: 7th March 2007			S : Trial Pitting	
E S			ЪС	M	Ê	Σ	DRILLING DATES. 711 March 2007 DRILLER : Joy Plant	BOREHOLE			
STR	NUMBER		VAI	GROUNDW	DEPTH (m)	GEOLOGY	LOGGED BY : KL	SCREEN TY			
N N N N N N N N N N N N N N N N N N N		YPE	OL	BO		Ы Ш		SCREEN SL			
Ō		Ĥ	Ň	Q		G	CHECKED BY : ARD	SUREEN SL			
					0.0_	~~~	DESCRIP	TION		COMMENTS	0.0
					-	\otimes	MADE GROUND. Concrete.			Dry, NVO	-
					-	XX	MADE GROUND. Brown sand	dy gravel. Gravel is		DIY, NVO	
	0.5-		*<0.1		0.5_	***	medium to coarse and angula	ır.		Dry, NVO	0.5_
	0.5m Leachate:	\square	<0.1		0.5_	XX	MADE GROUND. Blue cemer	nt clinker.		Dry, INVO	0.5
	(Surfactants, Metals,				-		MADE GROUND. Black silty g			Dry, NVO	-
	Cyanide,					====	Gravel is fine to medium and a	<u> </u>	I		
	Orthophosp hate, pH,			¥	1.0_	:===	Firm red- brown very silty graved of yellow fine sand. Gravel is f	velly CLAY with pocke	ets		1.0
	TPH-CWG)				-		angular to sub-angular.				
	Soil: (Orthophosp				-	===					-
	hate, pH, VOC)				- 1.5_	:=:=:	Blue pipe running north-south	at the east end of the	e		_ 1.5_
	1000)				-	:===	trial pit at 1m.				-
					-	:===					-
					-	:===					
					2.0_	:===					2.0
					_	====					
					-	:===:					-
					2.5_	:===					2.5
					-	:===					-
					-						
						:===					_
					3.0_	====					3.0
					-	:===:					-
					-	:===					-
	4.0m				3.5	:===					3.5
	Leachate: (Surfactants,				-	====					-
	Orthophosp				-	====					
	hate, Sulphate,		* 0.4		-	====					-
	pH, TPH-		*<0.1		4.0_		Terminated at 4m.				4.0
	CWG, SVOC)				-						-
	Soil: (TPH (ali/aro split),				-						
	SVOC,				4.5_						4.5
	PCB)				-						
					-						
					- 5.0_						_ 5.0
	LOCATION /	<u>N</u> O	DTES:			I	LEGEND	BOREH	OLE I	.0G	
NVO = No	o visual or olfac	ctory	/ evidend	ce				b Title: Plots D,E,F,G, A & C Site Inv			
	evel 85.470 m/	חט	h					cation: Whitehaven	-		
	backfilled with							ent: Rhodia			
							Down Borehole Analysis		op'd:	Date: 09/03/07	
							Groundwater Table		rawn : LMB	Ref: Plot D	
							$\stackrel{\overline{z}}{\cong}$ Perched Water Table		cale: as shov rg. Size: A4	Nn Job No: 443202 BOREHOLE	
							-	D	rg. Size: A4	BOREHOLE	LUG

z	SAMPLE	SOIL VAPOUR (ppm)	E			BOREHOLE NUMBER: WS	6717D		PAGE	1 of 1	
BOREHOLE CONSTRUCTION		UR	GROUNDWATER			DRILLING DATES: 8th March 2	007	DRILLING MET	HODS :	Window sar	npling
RUG BHG		РО	M	(E	Ъ С	DRILLER : Global Probing and		BOREHOLE DI	AMETER	R : 200mm	
NST S	NUMBER	۲ <i>۸۱</i>	NN	EPTH (m)	EOLOGY	LOGGED BY : PM		SCREEN TYPE	& DIAN	l: 50mm (Ge	osock)
Ш О О	TYP	SOI	GRC	DEF	GEO	CHECKED BY : ARD		SCREEN SLOT	SIZE: 1	mm	
				0.0_		DESCI	RIPTION		CC	OMMENTS	0.0
	0.6m Leachate:	*0.0		- 0.0		MADE GROUND. Black cl sub-angular to angular gra	ayey firm to vel of shale.	medium and		Damp, NVO	0.0
	(Surfactants) Soil: (Ammonium, Nitrate)	*0.0		0.5		MADE GROUND.White - c clayey fine to medium sub- of limestone concrete and	- angular to a		У		0.5
	2.7m Leachate:	*0.0		- - 1.5_		MADE GROUND. Beige - sandy fine to medium sub- gravel of limestone.					- - 1.5
	(Metals, Cyanide, Orthophosp	*0.0		2.0		MADE GROUND. Black cl of shale becoming less cla			el 🚽	Damp, NVO Damp, NVO	2.0
	hate, pH) Soil: (Metals, Cyanide, Orthophosp	*0.0		- - - 2.5_ -		MADE GROUND. Soft red with flecks of coal and frec fibres. Gravel is fine sub-a shale and sandstone.	juent organio	rootlets and	ıy	Dry, NVO	2.5
	hate, pH)	0.0		3.0		MADE GROUND. Black cl angular to angular gravel c clinker.					3.0
	2.9m	*0.0		3.5_		Soft to firm red - brown gra	avelly CLAY	with			3.5
	Leachate: (Orthophosp hate, Sulphate, pH, TPH-	*0.0	Ŋ.	4.0		occassional root fibres, fle soft very sandy gravelly cla coarse sub-angular to sub- limestone and shale.	ay pockets. (Gravel is fine to			4.0
	CWG, SVOC) Soil: (Sulphate,	*0.0		4.5		Becoming dark brown from	ו 4m.				4.5
	TPH-CWG, VOC, SVOC)	*0.0		5.5	·						5.5
		*0.0		- - - 6.0_		Grey fine sub-angular to su mixed limestone and sand Soft red - brown gravelly C	stone.				6.0
		*0.0	¥	6.5	°	medium, sub-angular to su sandstone.			1		6.5
	7.0m Leachate: (Surfactants,	*0.0		7.0	0.00	Brown slightly sandy slight angular to sub-angular GR with some veining and rar (Weathered limestone bed	AVEL of bro e dissolution	wn limestone			7.0
	pH, TPH- CWG)			7.5		Terminated at 7.4m, refuse	al on LIMES	TONE.			7.5
				8.0_							8.0_
	OCATION / NO					LEGEND		BOREHO	LE LO)G	
	contamination	, cviderit	50			Disturbed Sample		E,F,G, A & C Site Investig	gations		
	Ground Level 85.979 mAOD Trial pit is backfilled with spoil					Undisturbed Sample Headspace Analysis	Location: Whiteha	ven			
	baokinieu with sp					 Down Borehole Analysis 	Client: Rhodia	App'd	1:	Date: 09/03/07	
						Groundwater Table	UF		n : LMB	Ref: Plot D	
						♀ Perched Water Table	U		as shown	Job No: 4432021	
						-		Drg. S	Size: A4	BOREHOLE	LOG

	SAMPLE		(mq				BOREHOLE NUMBER: TP	7180		PAG	E 1 of 1	
BOREHOLE CONSTRUCTION		+	SOIL VAPOUR (ppm)	TER				-				
			٥U	MA	Э Э	≿	DRILLING DATES: 7th March 2 DRILLER : Joy Plant	007	BOREHOLE		: Trial Pitting	
STR	NUMBER		VAI	UNL	LH (I	Ö	LOGGED BY : KL		SCREEN TY			
^M NO		YPE	SOL	GROUNDW	DEPTH (m)	GEOLOGY	CHECKED BY : ARD		SCREEN SL			
		┡	0			0			OUNCER OF		OMMENTS	
	0.3m Leachate:				0.0 —	***	MADE GROUND. White -	RIPTION	with thin re			0.0
	(Surfactants,				-	\otimes	bar.	grey concrete				
	Orthophosp hate,		*<0.1		-	***	MADE GROUND. Brown s	andv gravel fi	ill.			
	Sulphate, pH, TPH-	А			-	\bigotimes	MADE GROUND. Blue cer					-
	CWG, SVOC)				0.5_	\bigotimes					Dry, NVO	0.5
	Soil: (pH, TPH-CWG,				-		Firm orange - brown very s	silty slightly gr	avelly CLA	Y.	Dry, NVO	
	VOC,				-		Gravel is sub-angular to ar limestone.	ngular fine to	medium of			-
	SVOC, TOC/PSD,	$\overline{\mathbf{X}}$			-		linestone.					-
	Ammonium, Nitrate)		*<0.1		1.0	·	Terminated at 1m, on grey	crystalline LI	MESTONE			1.0
	, , , , , , , , , , , , , , , , , , , ,				_		with red and brown veins.	-				
					-							-
	1.0m Leachate:				- 1.5_							- 1.5
	(Surfactants, Metals,				1.5 _							1.5 _
	Cyanide,				-							_
	Orthophosp hate, pH,				-							-
	SVOĆ) Soil: (- 2.0_							2.0
	Metals,				2.0_							2.0
	Cyanide, Orthophosp				_							_
	hate, VOC)				-							-
					- 2.5_							2.5
					2.5 _							2.5
					_							_
					-							-
					- 3.0_							3.0
					5.0 _							3.0 _
					-							-
					-							-
					- 3.5_							3.5_
					- 0.0							0.0 -
					-							-
					-							-
					- 4.0_							4.0_
									DODDI		00	
NVO = No	LOCATION / NOTES: NVO = No visual or olfactory evidence						LEGEND X Disturbed Sample	Job Title: Plots D,E,	BOREH		UG	
of contamination						Undisturbed Sample	Location: Whitehave		oliyalions			
Ground Level 85.946 mAOD Trial pit is backfilled with spoil						Headspace Analysis	Client: Rhodia					
							Down Borehole Analysis			op'd:	Date: 09/03/07	
							Groundwater Table	UR		rawn : LMB	Ref: Plot D	45
							Perched Water Table			cale: <u>as show</u> rg. Size: A4	Dob No: 443202 BOREHOLE	
L								1				

7	SAMPLE	(mdd				BOREHOLE NUMBER: TP719D		PAGE	<u>1 of 1</u>	
BOREHOLE CONSTRUCTION		I YPE	NATER			DRILLING DATES: 7th March 2007	DRILLING ME			
	NUMBER	AP	GROUNDWA	DEPTH (m)	GEOLOGY	DRILLER : Joy Plant	BOREHOLE			
NS ^T S					OLO	LOGGED BY : KL	SCREEN TYP	E & DIAN	∦: n/a	
8		IIOS	Ц Ц Ц		В	CHECKED BY : ARD	SCREEN SLC	T SIZE: r	n/a	
						DESCRIPTION	I	С	OMMENTS	
				0.0_		MADE GROUND. Concrete.	-			- 0.0 -
				-	\otimes	MADE GROUND. Red-brown very Gravel is coarse and angular.	gravelly sand.			
				0.5_	-XXX	MADE GROUND. Grey - blue cerr	ent clinker			0.5
				-	***					
						MADE GROUND. Soft black grave				
	1.0m Leachate:	*<0.1		1.0_		MADE GROUND. Grey - blue cem	ent clinker.			1.0
	(Surfactants, Metals,		¥-	-	×	MADE GROUND. Soft black grave	lly clay. Gravel is		Wet, NVO	
	Cyanide, Orthophosp			1.5_	\otimes	fine-medium and angular.				_ 1.5_
	hate, pH) Soil:			-	:-:-:	Soft to firm brown - red slightly silt	gravelly CLAY.		Wet, NVO	
	(Metals, Cyanide,			-		Gravel is fine to coarse angular to	sub-angular.			
	Orthophosp hate,			2.0						2.0
	Ammonium, Nitrate)									
				-						
				2.5_						2.5
				-						
					: :					
				3.0_						3.0
				-						
				3.5_						_ 3.5_
				- 3.5	! !					
	4.0m Leachate:									
	(Surfactants, Sulphate,			4.0_	 					4.0
	pH, TPH- CWG,	X		-						-
	SVOC) Soil:	*<0.1		-	!- <u>-</u> -					
	(Sulphate, pH, TPH-			4.5_	·					_ 4.5_
	CWG, VOC,			-		Terminated at 4.5m, on yellow SA	NDSTONE.			-
	SVOC, PCB)			-						_
				5.0_						_ 5.0
				-		I				
NVO = No	LOCATION / Note: N	<u>NOTES:</u> ory evide	nce			LEGEND Disturbed Sample Job Title:	BOREHO		OG	
of c	contamination					Disturbed Sample Job Title: Undisturbed Sample Location:	Plots D,E,F,G, A & C Site Inves	stigations		
	evel 85.550 mA backfilled with s	-				★ Headspace Analysis Client: Rh				
						Down Borehole Analysis	Арр		Date: 09/03/07	
						Groundwater Table		wn : LMB lle: as shown	Ref: Plot D Job No: 443202	15
						Perched Water Table		. Size: A4	BOREHOLE	