

BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: MSMW189D		PAGE 1 of 2	
	NUMBER	TYPE					START DATE: 14/4/99		DRILLING METHOD: ROTARY AIR FLUSH	
							FINISH DATE: 14/4/99		BOREHOLE DIAMETER: 165/115 mm	
							DRILLER: R1		SCREEN TYPE & DIAMETER: 50 mm ID UPVC	
							LOGGED BY: DB APPR'D BY:		SCREEN SLOT SIZE: 0.5 mm	

DESCRIPTION	COMMENTS
Loose dark brown gravelly CLAY with frequent angular cobbles and brick fragments (MADE GROUND)	No odour
Soft dark brown-black gravelly CLAY with some black silty peat, cobbles and brick fragments (MADE GROUND)	Wet at 1.2m No odour
Soft orange-brown PEAT with some gravel and frequent rootlets and other organic material	No odour Damp
peat becomes dark brown	
Soft dark brown-dark grey very clayey PEAT	
Soft light grey sandy CLAY with occasional gravel	
Firm dark grey silty CLAY with occasional gravel	Damp No odour
Soft grey-light grey sandy CLAY with occasional fine to medium gravel	Water at 7.5m No odour
Loose dark brown-grey GRAVEL with some clay and cobbles	No odour Wet

LOCATION / NOTES: 1. All measurements in m below ground level (mbgl)	LEGEND Disturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table Perched Water Table	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="2" style="text-align: center;">BOREHOLE LOG</th> </tr> <tr> <td style="width:50%;">Job Title</td> <td>SOIL & GROUNDWATER INVESTIGATION</td> </tr> <tr> <td>Location</td> <td>LLANDARCY REFINERY</td> </tr> <tr> <td>Client</td> <td>BP LLANDARCY LTD</td> </tr> <tr> <td>App'd</td> <td>DRAFT</td> </tr> <tr> <td>Ref.</td> <td>CR/MC/BR5</td> </tr> <tr> <td>Date</td> <td>MAY 99</td> </tr> <tr> <td>Job No.</td> <td>39991-004-401</td> </tr> </table> DAMES & MOORE	BOREHOLE LOG		Job Title	SOIL & GROUNDWATER INVESTIGATION	Location	LLANDARCY REFINERY	Client	BP LLANDARCY LTD	App'd	DRAFT	Ref.	CR/MC/BR5	Date	MAY 99	Job No.	39991-004-401
BOREHOLE LOG																		
Job Title	SOIL & GROUNDWATER INVESTIGATION																	
Location	LLANDARCY REFINERY																	
Client	BP LLANDARCY LTD																	
App'd	DRAFT																	
Ref.	CR/MC/BR5																	
Date	MAY 99																	
Job No.	39991-004-401																	

BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: MSMW189D		PAGE 2 of 2	
	NUMBER	TYPE					START DATE: 14/4/99		DRILLING METHOD: ROTARY AIR FLUSH	
							FINISH DATE: 14/4/99		BOREHOLE DIAMETER: 165/115 mm	
							DRILLER: R1		SCREEN TYPE & DIAMETER: 50 mm ID UPVC	
							LOGGED BY: DB APPR'D BY:		SCREEN SLOT SIZE: 0.5 mm	
							DESCRIPTION	COMMENTS		
Hard grey silty SANDSTONE (BEDROCK) bedrock becoming fractured No odour Water at 11m Very productive Borehole terminated at 14.0 mbgl										
LOCATION / NOTES:							LEGEND	BOREHOLE LOG		
1. All measurements in m below ground level (mbgl)							Disturbed Sample	Job Title SOIL & GROUNDWATER INVESTIGATION		
							Undisturbed Sample	Location LLANDARCY REFINERY		
							* Headspace Analysis	Client BP LLANDARCY LTD		
							+ Down Borehole Analysis	App'd DRAFT		
							Groundwater Table	Ref. CR/MC/BRS		
							Perched Water Table	Date MAY 99		
								Job No. 39991-004-401		
								DAMES & MOORE GROUP		

BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: MSMW188S		PAGE 1 of 1	
	NUMBER	TYPE					START DATE: 30/3/99		DRILLING METHOD: CABLE PERCUSSION	
							FINISH DATE: 30/3/99		BOREHOLE DIAMETER: 150 mm	
								SCREEN TYPE & DIAMETER: 50 mm ID UPVC		
								SCREEN SLOT SIZE: 0.5 mm		
						DESCRIPTION		COMMENTS		
						0	Soft dark brown silty clayey PEAT with frequent fine to coarse sub-angular cobbles (TOPSOIL)	Damp No odour		0
						1.0	BOULDERS (MADE GROUND)	Wet at 0.8m Productive Chiselling through boulder		1.0
							Loose dark brown-black medium coarse sub-angular GRAVEL with some clay eand brick fragments (MADE GROUND)	Wet No odour		
						2.0	Very soft dark brown-black CLAY with frequent gravel and some peat and brick fragments (MADE GROUND)	No odour		2.0
						3.0	Soft orange-brown PEAT with frequent rootlets and occasional gravel	Damp No dour		3.0
						4.0				4.0
						5.0				5.0
						6.0				6.0
						7.0	Soft light grey sandy CLAY with occasional gravel	No odour, Wet Water at 6.5m		7.0
							Soft grey-light grey silty CLAY with occasional gravel	No odour		
						8.0	Loose dark grey COBBLES			8.0
							Loose dark grey coarse GRAVEL with cobbles and some stiff clay			
						9.0		No odour		9.0
							Borehole terminated at 9.3 mbgl on refusal			
						10				10

LOCATION / NOTES:

1. All measurements in m below ground level (mbgl)

LEGEND

- Disturbed Sample
- Undisturbed Sample
- Headspace Analysis
- Down Borehole Analysis
- Groundwater Table
- Perched Water Table

BOREHOLE LOG

Job Title **SOIL & GROUNDWATER INVESTIGATION**

Location **LLANDARCY REFINERY**

Client **BP LLANDARCY LTD**

App'd **DRAFT**

Ref. **CR/MC/BR5**

Date **MAY 99**

Job No. **39991-004-401**

DAMES & MOORE

BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: MSMW188D		PAGE 1 of 2	
	NUMBER	TYPE					START DATE: 15/4/99	DRILLING METHOD: ROTARY AIR FLUSH	FINISH DATE: 15/4/99	BOREHOLE DIAMETER: 165 mm
							DESCRIPTION	COMMENTS		
					0		Soft dark brown silty clayey PEAT with frequent fine to coarse sub-angular cobbles (TOPSOIL)	Damp No odour		0
					1.0		BOULDERS (MADE GROUND)	Wet at 0.8m Productive		1.0
							Loose dark brown-black medium coarse sub-angular GRAVEL with some clay eand brick fragments (MADE GROUND)	Chiselling through boulder		
					2.0		Very soft dark brown-black CLAY with frequent gravel and some peat and brick fragments (MADE GROUND)	Wet No odour		2.0
					3.0		Soft orange-brown PEAT with frequent rootlets and occasional occasional gravel	No odour		3.0
					4.0					4.0
					5.0					5.0
					6.0		Soft light grey sandy CLAY with occasional gravel	No odour, Wet		6.0
							Soft grey-light grey silty CLAY with occasional gravel	Water at 6.5m No odour		
					7.0					7.0
					8.0		Loose dark grey COBBLES			8.0
							Loose dark grey coarse GRAVEL with cobbles and some stiff clay			
					9.0			No odour		9.0
							ROCKHEAD: Soft dark brown silty MUDSTONE (BEDROCK)			
					10					10

LOCATION / NOTES: 1. All measurements in m below ground level (mbgl)		LEGEND Disturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table Perched Water Table		BOREHOLE LOG Job Title SOIL & GROUNDWATER INVESTIGATION Location LLANDARCY REFINERY Client BP LLANDARCY LTD App'd DRAFT Ref. CR/MC/BRS Date MAY 99 Job No. 39991-004-401		 DAMES & MOORE	
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BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: MSMW188D		PAGE 2 of 2	
	NUMBER	TYPE					START DATE: 15/4/99	DRILLING METHOD: ROTARY AIR FLUSH	FINISH DATE: 15/4/99	BOREHOLE DIAMETER: 165 mm
							DESCRIPTION	COMMENTS		
						10	Soft dark brown silty MUDSTONE (BEDROCK)			10
							bedrock becoming fractured			
						11				11
						12				12
							bedrock becoming less fractured	Water at 12.5m Water cased out		
						13				13
						14	Borehole terminated at 14.0 mbgl			14
						15				15
						16				16
						17				17
						18				18
						19				19
						20				20
LOCATION / NOTES: 1. All measurements in m below ground level (mbgl)						LEGEND Disturbed Sample Undisturbed Sample * Headspace Analysis † Down Borehole Analysis Groundwater Table Perched Water Table		BOREHOLE LOG Job Title SOIL & GROUNDWATER INVESTIGATION Location LLANDARCY REFINERY Client BP LLANDARCY LTD App'd DRAFT Ref. CR/MC/BRS Date MAY 99 Job No. 39991-004-401		
								DAMES & MOORE GROUP		

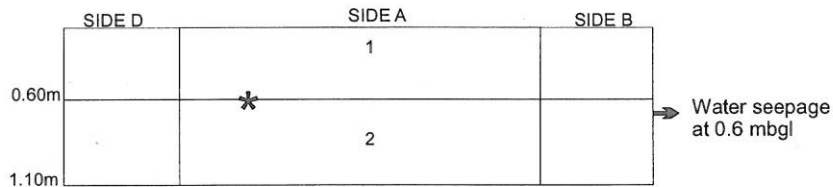
BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: WSMW088		PAGE 1 of 1	
	NUMBER	TYPE					DRILLING DATES: 6/1/2004		DRILLING METHODS: Beretta	
							DRILLER: APEX - Rhym		BOREHOLE DIAMETER: 100-115mm	
							LOGGED BY: HM		SCREEN TYPE & DIAM: 50mm HDPE	
				CHECKED BY: SG		SCREEN SLOT SIZE: 1mm				
					0.0		DESCRIPTION	COMMENTS	S,V	
			*0.3		0.5	Brown to mottled orange, slightly sandy SILT with some medium to coarse gravel. Medium to firm, brown and orange mottled (20:80) silty CLAY with occasional coarse gravel.	Wet, nvo.	0,0		
					1.0		Dry	0,0		
					1.5	Increase in grey sandstone cobbles.	Slight grey staining	0,1		
			*0.1		2.0		Wet, nvo	0,0		
			*0.6		2.5	Becoming grey brown fine to coarse slightly silty SAND with frequent fine to coarse gravel and grey to red sandstone cobbles to boulders	Poor percussive recovery in last 2 sections.	0,0		
					3.0		NVO	0,0		
					3.5	Borehole terminated at 3.5m due to refusal.				
					4.0					
					4.5					
LOCATION / NOTES: NVO = No visual or olfactory evidence of contamination S,V = Contamination Observations S - Odour score (0-5) V - Visual score (0-5)						LEGEND Disturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table Perched Water Table		BOREHOLE LOG Job Title: BP Llandarcy Whole Site Investigation Location: BP Llandarcy Refinery Client: BP/WDA 		
						App'd: _____ Date: February 2004 Drawn: CM Ref: _____ Scale: As scale Job No: 39991-044-785 Drg. Size: A4 BOREHOLE LOG				

Shallow Borehole Construction	Deep Borehole Construction	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: WSMW066		PAGE 1 of 1	
		NUMBER	TYPE					DRILLING DATES: 10/12/2003		DRILLING METHODS : Beretta - Various	
								DRILLER : APEX - Rhymal		BOREHOLE DIAMETER : 100-115mm	
								LOGGED BY : SS		SCREEN TYPE & DIAM: 19/50mm HDPE	
								CHECKED BY : SG		SCREEN SLOT SIZE: 1mm	
								DESCRIPTION	COMMENTS	S,V	
						0.0		Air hammer used to advance hole to 4.0m See Trial Pit log for details (MADE GROUND)			
						0.5					
						1.0					
						1.5		See Trial Pit log for details (MADE GROUND)	Grey staining, slight hydrocarbon odour		
						2.0		Sandy SILT	Damp. NVO		
						2.5					
						3.0					
						3.5					
						4.0		Grey, fine to medium grained SANDSTONE			
						4.5					
						5.0					

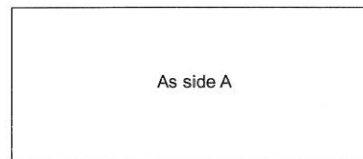
LOCATION / NOTES: NVO = No visual or olfactory evidence of contamination S,V = Contamination Observations S - Odour score (0-5) V - Visual score (0-5)	LEGEND  Disturbed Sample  Undisturbed Sample  Headspace Analysis  Down Borehole Analysis  Groundwater Table  Perched Water Table	BOREHOLE LOG Job Title: BP Llandarcy Whole Site Investigation Location: BP Llandarcy Refinery Client: BP/WDA			
			App'd:	Date: December 2003	
			Drawn : SS	Ref:	
			Scale: As scale	Job No: 39991-044-785	
			Drg. Size: A4	BOREHOLE LOG	

TRIAL PIT NUMBER: MSTP104
GROUND ELEVATION: -
DATE OF EXCAVATION: 10/6/98
WATER LEVEL: 0.6 mbgl
LOGGED BY: RF
APPROVED BY:

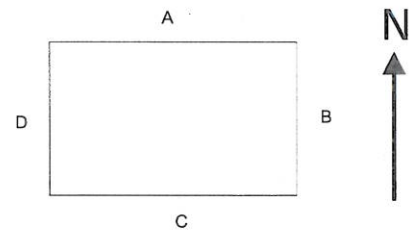
SIDE ELEVATIONS



SIDE C



PLAN



Key:

- * Soil Sample location
- WA Water Sample
- HS Headspace Analysis
- ⇒ Water Ingress

STRATA DESCRIPTIONS	COMMENTS	SAMPLES
1. GRAVEL with brick, metal and glass fragments (MADE GROUND) 2. Black coarse FLY ASH (MADE GROUND) Trial pit terminated at 1.10 mbgl	a. Saturated - No staining or odour evident	<u>PID RESULTS</u> 0.5m - 0 ppm 1.0 - 0 ppm <u>SOIL SAMPLES</u>

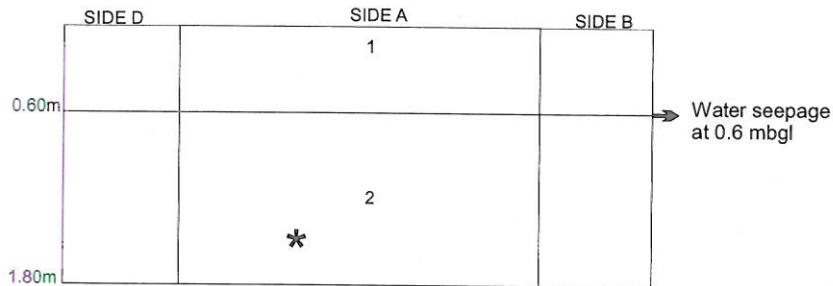
Job Title:	SOIL & GROUNDWATER INVESTIGATION
Location:	LLANDARCY REFINERY
Client:	BP LLANDARCY
Job No:	39991-001-401
	DRAFT



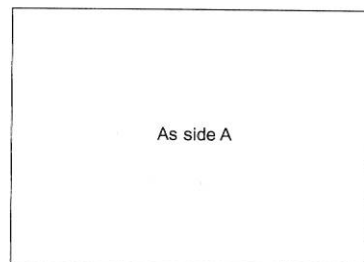
DAMES & MOORE

TRIAL PIT NUMBER: MSTP097
GROUND ELEVATION: -
DATE OF EXCAVATION: 10/6/98
WATER LEVEL: 0.6 mbgl
LOGGED BY: RF
APPROVED BY:

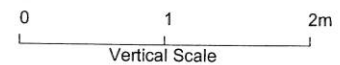
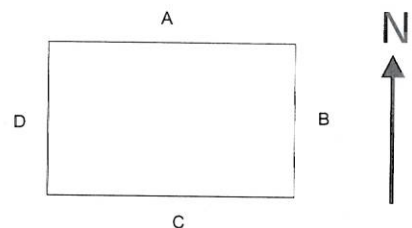
SIDE ELEVATIONS



SIDE C



PLAN



Key:

- * Soil Sample location
- WA Water Sample
- HS Headspace Analysis
- Water Ingress

STRATA DESCRIPTIONS	COMMENTS	SAMPLES
1. Brown very gravelly CLAY (MADE GROUND) 2. Red-brown/red coarse FLY ASH (MADE GROUND) Trial pit terminated at 1.8 mbgl	a. Very wet b. No hydrocarbon odour or staining evident	<u>PID RESULTS</u> 0.5m - 0 ppm 1.0m - 0 ppm 1.5m - 0 ppm <u>SOIL SAMPLES</u> MSTP097-1.5m

Job Title: SOIL & GROUNDWATER INVESTIGATION

Location: LLANDARCY REFINERY

Client: BP LLANDARCY

Job No: 39991-001-401

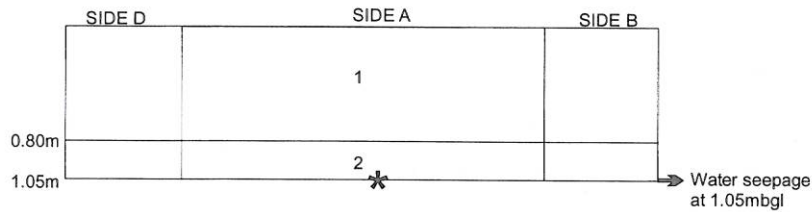
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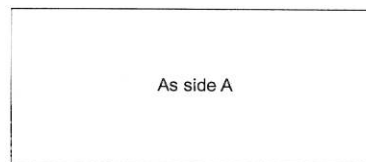
DAMES & MOORE

TRIAL PIT NUMBER: MSTP051
GROUND ELEVATION: -
DATE OF EXCAVATION: 28/5/98
WATER LEVEL: 1.05mbgl
LOGGED BY: RF
APPROVED BY:

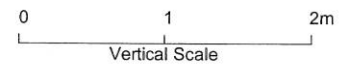
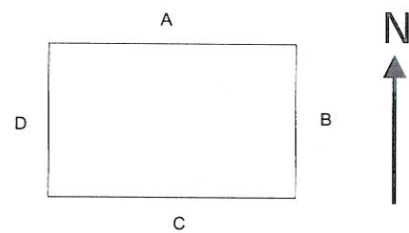
SIDE ELEVATIONS



SIDE C



PLAN



Key:

- * Soil Sample location
- WA Water Sample
- HS Headspace Analysis
- ⇒ Water Ingress

STRATA DESCRIPTIONS	COMMENTS	SAMPLES
1. Brown silty clayey SAND (TOPSOIL)		<u>PID RESULTS</u> 0.5m - 0 ppm 1.05m - 67.2ppm
2. Loose black medium GRAVEL (MADE GROUND)	a. No odour b. Wet	<u>SOIL SAMPLES</u>
Trial pit terminated at 1.05 mbgl		

Job Title: SOIL & GROUNDWATER INVESTIGATION

Location: LLANDARCY REFINERY

Client: BP LLANDARCY

Job No: 39991-001-401

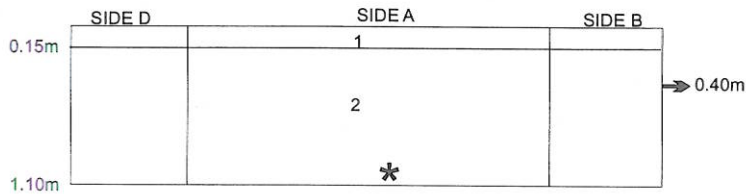
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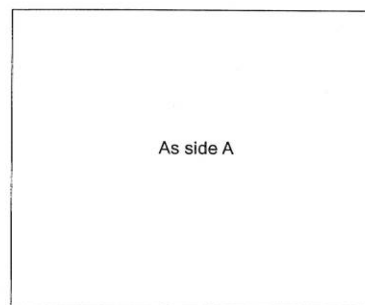
DAMES & MOORE

TRIAL PIT NUMBER: MSTP028
 GROUND ELEVATION: -
 DATE OF EXCAVATION: 15/6/98
 WATER LEVEL: 0.40m
 LOGGED BY: RF
 APPROVED BY:

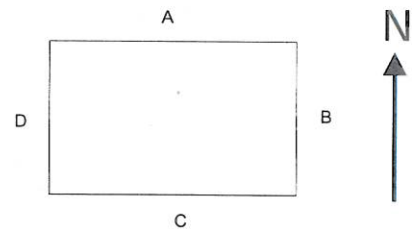
SIDE ELEVATIONS



SIDE C



PLAN

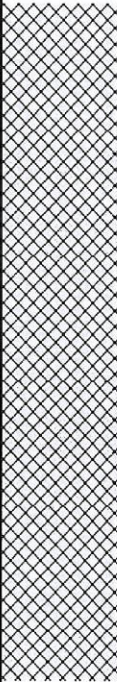


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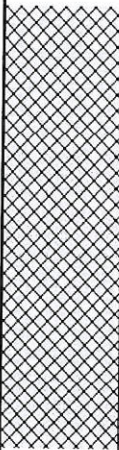
- * Soil Sample location
- WA Water Sample
- HS Headspace Analysis
- Water Ingress

STRATA DESCRIPTIONS	COMMENTS	SAMPLES
1. Dark brown clayey PEAT 2. Brown fibrous PEAT Trial pit terminated at 1.10 mbgl due to saturation from 0.4m	a. No hydrocarbon odour or staining evident b. Hand augered due to access restrictions (situated in bog)	<u>PID RESULTS</u> 0.5m - 0.7 ppm 1.0m - 1.1 ppm <u>SOIL SAMPLES</u> MSTP028-1.0m

Job Title:	SOIL & GROUNDWATER INVESTIGATION	
Location:	LLANDARCY REFINERY	
Client:	BP LLANDARCY	
Job No:	39991-001-401	DRAFT
 DAMES & MOORE		

BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: WSTP306		PAGE 1 of 1		
	NUMBER	TYPE					DRILLING DATES: 9/12/03		DRILLING METHODS: JCB		
							DRILLER: JCB		BOREHOLE DIAMETER: -		
							LOGGED BY: HM		SCREEN TYPE & DIAM: -		
				CHECKED BY: SG		SCREEN SLOT SIZE: -					
	WSTP306 - 0.0m (P)				0.0		Potential asbestos containing material on surface over soft, dark brown slightly sandy silt with occasional fine to coarse gravel and subangular sandstone cobbles. (MADE GROUND)	Dry, NVO.	0,0		
	WSTP306 - 0.2m (P)				0.5					Dry - damp, NVO.	0,0
	WSTP306 - 0.7m (S,L)		*0.3		1.0		With abundant coarse GRAVEL and angular to subangular cobbles.	Damp, NVO.	0,0		
			*0.8		1.5					Damp, NVO. Very loose, collapsing.	0,0
			*0.7		2.0					Dry, NVO.	0,0
			*1.3		2.5					Dry, NVO.	0,0
	WSTP306 - 2.5m (S,L)		*1.0		3.0		Trial pit terminated at 2.7m due to refusal on bedrock.	Dry, NVO.	0,0		
				3.5							
				4.0							
				4.5							
					5.0						

LOCATION / NOTES:	LEGEND	BOREHOLE LOG	
NVO = No visual or olfactory evidence of contamination S,V = Contamination Observations S - Odour score (0-5) V - Visual score (0-5)	 Disturbed Sample  Undisturbed Sample  Headspace Analysis  Down Borehole Analysis  Groundwater Table  Perched Water Table	Job Title: BP Llandarcy Whole Site Investigation Location: BP Llandarcy Refinery Client: BP/WDA 	
		App'd:	Date: December 2003
		Drawn: HM	Ref:
		Scale: As scale	Job No: 39991-044-785
		Drg. Size: A4	BOREHOLE LOG

BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: WSTP277		PAGE 1 of 1	
	NUMBER	TYPE					DRILLING DATES: 09/12/03		DRILLING METHODS: JCB	
							DRILLER: JCB - Will		BOREHOLE DIAMETER: -	
							LOGGED BY: EM		SCREEN TYPE & DIAM: -	
							CHECKED BY: SG		SCREEN SLOT SIZE: -	
DESCRIPTION							COMMENTS	S,V		
	WSTP277 - 0.5m. (S,L,2xP)		*10.2		0.0	Loose, brown, slightly sandy SILT with frequent fine to coarse gravels, subangular and angular tabular cobbles and boulders.	Damp. NVO	0,0		
			*9.6		0.5	Becoming orange brown with occasional cobbles and boulders from 0.7m.	Damp. NVO	0,0		
			*8.4		1.0	With abundant large angular to rounded sandstone cobbles and boulders from 1.1m	Damp. NVO	0,0		
	WSTP277 - 1.7m. (S,L)				1.5	Becoming dark brown with dense black gravels and frequent large sandstone cobbles and boulders.	Damp. NVO	0,0		
					2.0	Trial pit terminated at 1.8m due to refusal on bedrock	Moist due to seepage at base. No hydrocarbon odour, sheen at surface.	0,4		
					2.5					
					3.0					
					3.5					
					4.0					
					4.5					
					5.0					

LOCATION / NOTES: NVO = No visual or olfactory evidence of contamination S,V = Contamination Observations S - Odour score (0-5) V - Visual score (0-5)	LEGEND  Disturbed Sample  Undisturbed Sample  Headspace Analysis  Down Borehole Analysis  Groundwater Table  Perched Water Table	BOREHOLE LOG Job Title: BP Llandarcy Whole Site Investigation Location: BP Llandarcy Refinery Client: BP/WDA  <table border="1"> <tr> <td>App'd:</td> <td>Date: January 2004</td> </tr> <tr> <td>Drawn: EM</td> <td>Ref:</td> </tr> <tr> <td>Scale: As Scale</td> <td>Job No: 39991-044-785</td> </tr> <tr> <td>Drg. Size: A4</td> <td>BOREHOLE LOG</td> </tr> </table>	App'd:	Date: January 2004	Drawn: EM	Ref:	Scale: As Scale	Job No: 39991-044-785	Drg. Size: A4	BOREHOLE LOG
App'd:	Date: January 2004									
Drawn: EM	Ref:									
Scale: As Scale	Job No: 39991-044-785									
Drg. Size: A4	BOREHOLE LOG									

BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: WSTP276 - Hand Auger		PAGE 1 of 1	
	NUMBER	TYPE					DRILLING DATES: 15/12/2003		DRILLING METHODS : Hand Auger	
							DRILLER : JW		BOREHOLE DIAMETER : -	
							LOGGED BY : SS		SCREEN TYPE & DIAM: -	
							CHECKED BY : SG		SCREEN SLOT SIZE: -	
	WSTP276 - 0.3-0.4m (S)	☒	*0.5		0.0		DESCRIPTION		COMMENTS	S,V
							Loose, flaggy sandstone cobbles at surface over loose, grey to brown, gravelly silt with abundant angular gravel. (TOPSOIL)		Dry-damp. NVO	0,0
					0.5		Hand auger terminated at 0.4m due to refusal.			
					1.0					
					1.5					
					2.0					
					2.5					
					3.0					
					3.5					
					4.0					
					4.5					
					5.0					

LOCATION / NOTES:	LEGEND	BOREHOLE LOG	
NVO = No visual or olfactory evidence of contamination S,V = Contamination Observations S - Odour score (0-5) V - Visual score (0-5)	 Disturbed Sample  Undisturbed Sample  Headspace Analysis  Down Borehole Analysis  Groundwater Table  Perched Water Table	Job Title: BP Llandarcy Whole Site Investigation Location: BP Llandarcy Refinery Client: BP/WDA	
			
		App'd:	Date: December 2003
		Drawn : SS	Ref:
		Scale: As scale	Job No: 39991-044-785
Drg. Size: A4	BOREHOLE LOG		

BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: TFMW005		PAGE 1 of 1	
	NUMBER	TYPE					START DATE: 11/09/00		DRILLING METHOD: Rotary Air Flush	
							FINISH DATE: 11/09/00		BOREHOLE DIAMETER: 115 mm	
							DRILLER: THYSSEN		SCREEN TYPE & DIAMETER: HDPE 50 mm	
							LOGGED BY: ss APPR'D BY:		SCREEN SLOT SIZE: 2 mm	
						DESCRIPTION	COMMENTS			
						0	Firm, red-brown, sandy CLAY with frequent cobbles and boulders	Hydrocarbon odour	0	
						0.5				0.5
						1.0	Soft, red and green mottled, gravelly, silty CLAY with occasional boulders and cobbles	Strong hydrocarbon odour Damp	1.0	
						1.5				1.5
						2.0				2.0
						2.5	Brown-grey fractured SANDSTONE (BEDROCK)	Strong hydrocarbon odour	2.5	
						3.0	Borehole terminated at 3.0 mbgl		3.0	
						3.5			3.5	
						4.0			4.0	
						4.5			4.5	
						5.0			5.0	

LOCATION / NOTES: 1. All measurements in m below ground level (mbgl)		LEGEND Disturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table Perched Water Table		BOREHOLE LOG Job Title SOIL & GROUNDWATER INVESTIGATION Location BP LLANDARCY REFINERY LTD Client BP LLANDARCY LTD App'd DRAFT Ref. MC/CR/BRS Date SEP 2000 Job No. 39991-017-402		 Dames & Moore O'Brien Kreitzberg Thorburn Colquhoun	
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BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: MSMW189S		PAGE 1 of 1	
	NUMBER	TYPE					START DATE: 30/3/99		DRILLING METHOD: CABLE PERCUSSION	
							FINISH DATE: 30/3/99		BOREHOLE DIAMETER: 150 mm	
						DRILLER: CP2		SCREEN TYPE & DIAMETER: 50 mm ID UPVC		
						LOGGED BY: DB APPR'D BY:		SCREEN SLOT SIZE: 0.5 mm		
						DESCRIPTION		COMMENTS		
						0	Loose dark brown gravelly CLAY with frequent angular cobbles and brick fragments (MADE GROUND)	No odour	0	
						1.0	Soft dark brown-black gravelly CLAY with some black silty peat, cobbles and brick fragments (MADE GROUND)	Wet at 1.2m No odour	1.0	
						2.0			2.0	
						3.0	Soft orange-brown PEAT with some gravel and frequent rootlets and other organic material	No odour Damp	3.0	
						4.0			4.0	
						5.0	peat becomes dark brown		5.0	
						6.0			6.0	
						7.0	Soft dark brown-dark grey very clayey PEAT Soft light grey sandy CLAY with occasional gravel Firm dark grey silty CLAY with occasional gravel	Damp No odour	7.0	
						8.0	Soft grey-light grey sandy CLAY with occasional fine to medium gravel	Water at 7.5m No odour	8.0	
						9.0	Loose dark brown-grey GRAVEL with some clay and cobbles	No odour	9.0	
						10			10	

LOCATION / NOTES: 1. All measurements in m below ground level (mbgl)		LEGEND Disturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table Perched Water Table	BOREHOLE LOG Job Title SOIL & GROUNDWATER INVESTIGATION Location LLANDARCY REFINERY Client BP LLANDARCY LTD App'd DRAFT Ref. CR/MC/BR5 Date MAY 99 Job No. 39991-004-401
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DAMES & MOORE
 GROUP

Appendix C – Historical Laboratory Analysis

Contamination analysis result:

[illegible]

Contamination analysis results																				
			Naphthalene	Acenaphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo[a]anthracene	Chrysene	Benzo[b]fluoranthene	Benzo[k]fluoranthene	Benzo[a]pyrene	Indeno(123-cd)Pyrene	Dibenzo(ah)Anthracene	Benzo(g,h,i)perylene	Total (of 16) PAHs	
Sample	Zone	Depth	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
WSTP053	E	0.1	0	0.00	0.00	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
WSTP261	E	0.2	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
WSTP112	E	0.45	0	0	0	0	0.899999976	0.300000001	1.5	1.2	1.100000024	1.3	1.100000024	0.899999976	0.699999988	0.5	0.200000003	0.400000006		
MSTP068	E	0.5	0	0.00	0.00	3.00	6.50	1.60	0.00	0.70	0.10	0.40	0.00	0.00	0.00	0.00	0.00	0.00		
MSTP117	E	0.5	0	0	0	0	0.200000003	0	0.200000003	0.1	0.100000001	0.1	0.100000001	0	0	0	0	0		
MSTP133	E	0.5	0	0	0	29.80	89.59999847	26.60000004	16.50	62.00	22.30	25.40	0.00	0.00	0.00	0.00	0.00	0.00		
TFMW002	E	0.5	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
TFMW003	E	0.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
TFMW004	E	0.5	0	0	0	0	0.200000003	0	0.100000001	0.1	0.200000003	0.1	0.200000003	0	0	0	0	0		
TFTP014	E	0.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.00		
TFTP015	E	0.5	0.10	0.10	1.90	2.60	13.00	2.50	11.80	7.90	3.20	3.00	2.30	0.60	1.10	0.60	0.10	0.50		
TFTP016	E	0.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
TFTP021	E	0.5	0.00	0.00	0.00	0.20	0.90	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
TFTP058	E	0.5	0.10	0.00	0.10	0.00	0.60	0.20	0.80	0.80	0.70	0.40	0.60	0.20	0.40	0.30	0.00	0.20		
TFTP060	E	0.5	0.30	0.20	1.90	2.40	22.00	5.00	34.80	22.90	18.80	18.60	22.10	6.40	12.90	10.30	29.00	8.70		
TFTP154	E	0.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
TFTP155	E	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
WSMW134	E	0.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
WSMW135	E	0.5	0	0.00	0.00	0.00	1.30	0.00	2.90	2.30	1.20	1.80	1.30	0.80	0.90	0.60	0.00	0.60		
WSTP118	E	0.5	0.600000024	0.30	2.70	3.60	13.50	4.70	21.90	16.60	14.20	15.50	17.30	14.00	14.80	10.70	3.60	7.30		
WSTP169	E	0.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
WSTP185	E	0.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
WSTP264	E	0.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
WSMW088	E	0.6	0	0.00	0.00	0.00	0.30	0.00	0.30	0.40	0.30	0.70	0.00	0.00	0.00	0.00	0.00	0.00		
WSMW151	E	0.6	0	0.00	0.00	0.00	1.30	0.20	2.60	2.00	1.50	1.60	1.20	1.20	1.00	0.60	0.20	0.80		
WSTP119	E	0.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
WSTP186	E	0.6	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
WSTP149	E	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
WSTP114	E	0.75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
MSTP033	E	0.8	0	0.00	0.00	0.00	0.20	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
WSMW006	E	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
WSTP150	E	0.8	0	0	0	0	0.699999988	0	1.299999952	1.1	0.800000012	0.9	0.5	0.600000024	0	0	0	0		
WSTP307	E	0.8	0	0	0	0	0.400000006	0	0.800000012	0.8	0.699999988	1.1	0.699999988	0.5	0.5	0.400000006	0	0.300000012		
WSTP066	E	0.85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
WSMW033	E	0.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
WSMW036	E	0.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
WSTP065	E	0.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
WSTP115	E	0.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
WSTP116	E	0.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
WSTP305	E	0.95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
MSTP118	E	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
MSTP119	E	1	0	0	0	0.4	0.899999976	0.800000001	0.899999976	2.4	0.400000006	1	0.800000012	0.699999988	0.800000012	0.100000001	0	0.200000003		
MSTP128	E	1	0	0	0	0.00	0.400000006	0	0.00	0.10	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00		
WSMW051	E	1	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
WSMW088	E	1	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
WSMW151	E	1	0	0.00	0.00	0.00	0.40	0.00	0.40	0.30	0.40	0.50	0.00	0.00	0.00	0.00	0.00	0.00		
WSTP054	E	1	0	0	0	0	0.300000012	0	0	0	0	0	0	0	0	0	0	0		
		Shallow parks 1%	955	-	5340	3570	-	26800	3570	2680	20.8	2090	21.3	215	0.9	21.2	2.16	218	-	859
		Shallow parks 3%	1340	-	5350	3570	-	26800	3570	2680	21.1	2090	21.3	215	0.9	21.2	2.16	218	-	859

VOCS BTEX

Contamination analysis results

[illegible]

Asbestos

Location	Depth	Zone	Asbestos	Type
WSTP065		0 E	N	
WSTP053		0.1 E	N	
WSTP115		0.2 E	N	
WSTP112		0.45 E	N	
WSTP066		0.5 E	N	
WSTP307		0.5 E	N	
WSTP169		0.5 E	N	
WSMW135		0.5 E	N	
WSTP264		0.5 E	N	
WSMW088		0.6 E	N	
WSTP186		0.6 E	N	
WSTP150		0.8 E	N	
WSMW051		1 E	N	

Contamination analysis result

[illegible]

VOCS BTEX

Contamination analysis results

[illegible]

Asbestos

Location	Depth	Zone	Asbestos	Type
WSTP054		2 E	N	



Atkins Global Ltd
Project Jonah site office
Llan Coed House
Suite 24
Coed Darcy
Llandarcy
SA10 6HJ

Attention: Jack Lowrie

CERTIFICATE OF ANALYSIS

Date: 28 October 2014
Customer: H_ATKINS_LDC
Sample Delivery Group (SDG): 140718-9
Your Reference: Site Wide Trial Pitting
Location: Coed Darcy
Report No: 289699

This report has been revised and directly supersedes 280305 in its entirety.

We received 116 samples on Friday July 18, 2014 and 116 of these samples were scheduled for analysis which was completed on Wednesday August 13, 2014. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

Should this report require incorporation into client reports, it must be used in its entirety and not simply with the data sections alone.

All chemical testing (unless subcontracted) is performed at ALcontrol Hawarden Laboratories.

Approved By:

Sonia McWhan

Operations Manager





SDG: 140718-9
Job: H_ATKINS_LDC-224
Client Reference: Site Wide Trial Pitting

Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0749
Report Number: 289699
Superseded Report: 280305

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
9639183	IP 6		0.50	16/07/2014
9639314	IP 6		1.50	16/07/2014
9639367	IP 6		2.50	16/07/2014
9639464	IP 7		0.50	16/07/2014
9639575	IP 7		2.50	16/07/2014
9639288	IP 9		0.20	16/07/2014
9639292	IP 9		1.00	16/07/2014
9639296	IP 9		2.00	16/07/2014
9639302	IP 9		3.00	16/07/2014
9639676	IP 16		0.50	16/07/2014
9639805	IP 16		1.50	16/07/2014
9639952	IP 16		2.50	16/07/2014
9640108	IP 16		3.50	16/07/2014
9639188	IP 16		4.50	16/07/2014
9639237	IP 25		0.50	16/07/2014
9639274	IP 25		1.50	16/07/2014
9639279	IP 25		2.50	16/07/2014
9639284	IP 25		3.50	16/07/2014
9639351	IP 28		0.50	16/07/2014
9639356	IP 28		1.50	16/07/2014
9639361	IP 41		2.50	16/07/2014
9639310	IP 43		0.30	16/07/2014
9639318	IP 43		1.50	16/07/2014
9639322	IP 43		2.50	16/07/2014
9639328	IP 43		3.50	16/07/2014
9639333	IP 56		0.50	16/07/2014
9639337	IP 56		1.50	16/07/2014
9639341	IP 56		2.50	16/07/2014
9639347	IP 56		3.50	16/07/2014
9639711	IP 553		1.00	16/07/2014
9639724	IP 553		2.00	16/07/2014
9639736	IP 553		4.00	16/07/2014
9639750	IP 565		0.50	16/07/2014
9639765	IP 565		1.50	16/07/2014
9639779	IP 595		0.50	16/07/2014
9639791	IP 595		1.50	16/07/2014
9639820	IP 595		2.50	16/07/2014
9639832	IP 595		4.50	16/07/2014
9639845	IP 596		0.50	16/07/2014
9639857	IP 596		1.50	16/07/2014
9639999	IP 598		1.00	16/07/2014
9640012	IP 598		2.00	16/07/2014
9639924	IP 607		0.50	16/07/2014
9639939	IP 607		1.50	16/07/2014
9639969	IP 607		2.50	16/07/2014
9639984	IP 607		4.00	16/07/2014
9639870	IP 608		0.50	16/07/2014
9639882	IP 608		1.50	16/07/2014
9639896	IP 608		3.00	16/07/2014
9639911	IP 608		5.00	16/07/2014
9639378	IP 838		0.50	16/07/2014
9639386	IP 838		1.20	16/07/2014
9639393	IP 925		0.20	16/07/2014
9639402	IP 925		0.50	16/07/2014
9639411	IP 925		1.50	16/07/2014
9639420	IP 925		2.50	16/07/2014



CERTIFICATE OF ANALYSIS

Validated

SDG: 140718-9
Job: H_ATKINS_LDC-224
Client Reference: Site Wide Trial Pitting

Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0749
Report Number: 289699
Superseded Report: 280305

9639428	IP 925	3.50	16/07/2014
9639438	IP 925	4.50	16/07/2014
9639446	IP 926	0.50	16/07/2014
9639457	IP 926	0.70	16/07/2014
9639473	IP 926	1.50	16/07/2014
9639481	IP 926	2.50	16/07/2014
9639493	IP 926	3.80	16/07/2014
9639501	IP 926	5.00	16/07/2014
9639510	IP 940	0.50	16/07/2014
9639520	IP 940	0.70	16/07/2014
9639533	IP 940	1.00	16/07/2014
9639543	IP 940	1.40	16/07/2014
9639554	IP 940	3.00	16/07/2014
9639564	IP 940	4.50	16/07/2014
9639586	IP 940	6.00	16/07/2014
9639634	IP 941	0.30	16/07/2014
9639643	IP 941	1.00	16/07/2014
9639652	IP 941	2.00	16/07/2014
9639660	IP 941	3.50	16/07/2014
9639668	IP 941	5.00	16/07/2014
9639684	IP 1030	0.50	16/07/2014
9639596	IP 1031	0.50	16/07/2014
9639605	IP 1031	1.50	16/07/2014
9639614	IP 1031	2.50	16/07/2014
9639625	IP 1031	3.50	16/07/2014
9639692	IP 1154	0.50	16/07/2014
9639700	IP 1154	1.50	16/07/2014
9640096	TPE1709	0.50	16/07/2014
9640120	TPE1709	1.50	16/07/2014
9640131	TPE1709	2.50	16/07/2014
9640144	TPE1709	3.50	16/07/2014
9640158	TPE1709	4.50	16/07/2014
9640027	TPE1710	0.50	16/07/2014
9640040	TPE1710	1.50	16/07/2014
9640053	TPE1710	2.50	16/07/2014
9640065	TPE1710	3.50	16/07/2014
9640083	TPE1710	4.50	16/07/2014
9639211	TPE1720	0.50	16/07/2014
9639215	TPE1720	1.50	16/07/2014
9639219	TPE1720	2.50	16/07/2014
9639223	TPE1720	3.50	16/07/2014
9639228	TPE1720	4.50	16/07/2014
9640214	TPE1721	0.50	16/07/2014
9639192	TPE1721	1.50	16/07/2014
9639198	TPE1721	2.50	16/07/2014
9639203	TPE1721	3.50	16/07/2014
9639207	TPE1721	4.50	16/07/2014
9640171	TPE1722	0.50	16/07/2014
9640179	TPE1722	1.50	16/07/2014
9640189	TPE1722	2.50	16/07/2014
9640198	TPE1722	3.50	16/07/2014
9640206	TPE1722	4.50	16/07/2014
9639233	TPE1728	0.50	16/07/2014
9639241	TPE1728	1.50	16/07/2014
9639247	TPE1728	2.50	16/07/2014
9639251	TPE1728	3.50	16/07/2014
9639255	TPE1728	4.50	16/07/2014
9639259	TPE1729	0.50	16/07/2014
9639264	TPE1729	1.50	16/07/2014



CERTIFICATE OF ANALYSIS

Validated

SDG:	140718-9	Location:	Coed Darcy	Order Number:	CD0749
Job:	H_ATKINS_LDC-224	Customer:	Atkins Global Ltd	Report Number:	289699
Client Reference:	Site Wide Trial Pitting	Attention:	Jack Lowrie	Superseded Report:	280305

9639270

TPE1738

0.60

16/07/2014

Only received samples which have had analysis scheduled will be shown on the following pages.



SDG: 140718-9
Job: H_ATKINS_LDC-224
Client Reference: Site Wide Trial Pitting

Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0749
Report Number: 289699
Superseded Report: 280305

SOLID Results Legend X Test N No Determination Possible	Lab Sample No(s)		Customer Sample Reference		AGS Reference		Depth (m)		Container																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	9639188 9640108		IP 16 IP 16				4.50 3.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	9639952		IP 16				2.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	9639805		IP 16				1.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	9639676		IP 16				0.50		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
9639302			IP 9				3.00		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	9639296		IP 9				2.00		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	9639292		IP 9				1.00		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	9639288		IP 9				0.20		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	9639575		IP 7				2.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
9639464			IP 7				0.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	9639367		IP 6				2.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	9639314		IP 6				1.50		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	9639183		IP 6				0.50		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 36	X																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								



SDG: 140718-9
Job: H_ATKINS_LDC-224
Client Reference: Site Wide Trial Pitting

Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0749
Report Number: 289699
Superseded Report: 280305

SOLID Results Legend X Test N No Determination Possible	Lab Sample No(s)		Customer Sample Reference		AGS Reference		Depth (m)		Container	
	9639337	IP 56					1.50		400g Tub (ALE214)	
	9639333	IP 56					0.50		60g VOC (ALE215)	
	9639328	IP 43					3.50		400g Tub (ALE214)	
	9639322	IP 43					2.50		250g Amber Jar	
Asbestos ID in Solid Samples	9639318	IP 43					1.50		60g VOC (ALE215)	
	9639310	IP 43					0.30		400g Tub (ALE214)	
EPH CWG (Aliphatic) GC (S)	9639361	IP 41					2.50		250g Amber Jar	
	9639356	IP 28					1.50		60g VOC (ALE215)	
EPH CWG (Aromatic) GC (S)	9639351	IP 28					0.50		400g Tub (ALE214)	
	9639284	IP 25					3.50		250g Amber Jar	
GRO by GC-FID (S)	9639279	IP 25					2.50		60g VOC (ALE215)	
	9639274	IP 25					1.50		400g Tub (ALE214)	
Metals in solid samples by OES	9639237	IP 25					0.50		250g Amber Jar	
	9639188	IP 16					4.50		400g Tub (ALE214)	
PAH by GCMS									60g VOC (ALE215)	
									250g Amber Jar	
pH									400g Tub (ALE214)	
									60g VOC (ALE215)	
Sample description									250g Amber Jar	
									400g Tub (ALE214)	
Total Organic Carbon									60g VOC (ALE215)	
									250g Amber Jar	
TPH CWG GC (S)									400g Tub (ALE214)	
									60g VOC (ALE215)	



SDG: 140718-9
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Client Reference: Site Wide Trial Pitting

Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0749
Report Number: 289699
Superseded Report: 280305

SOLID Results Legend X Test N No Determination Possible	Lab Sample No(s)		Customer Sample Reference		AGS Reference		Depth (m)		Container	
	9639837		IP 596				1.50		60g VOC (ALE215)	
	9639845		IP 596				0.50		400g Tub (ALE214)	
	9639832		IP 595				4.50		250g Amber Jar	
	9639820		IP 595				2.50		60g VOC (ALE215)	
Asbestos ID in Solid Samples	9639779		IP 595				0.50		400g Tub (ALE214)	
	9639791		IP 595				1.50		250g Amber Jar	
Asbestos Quantification - Full	9639765		IP 565				1.50		60g VOC (ALE215)	
	9639750		IP 565				0.50		400g Tub (ALE214)	
EPH CWG (Aliphatic) GC (S)	9639736		IP 553				4.00		250g Amber Jar	
	9639724		IP 553				2.00		60g VOC (ALE215)	
EPH CWG (Aromatic) GC (S)	9639711		IP 553				1.00		400g Tub (ALE214)	
	9639347		IP 56				3.50		250g Amber Jar	
GRO by GC-FID (S)	9639341		IP 56				2.50		60g VOC (ALE215)	
	9639337		IP 56				1.50		400g Tub (ALE214)	
Metals in solid samples by OES									250g Amber Jar	
									60g VOC (ALE215)	
PAH by GCMS									400g Tub (ALE214)	
									250g Amber Jar	
pH									60g VOC (ALE215)	
									400g Tub (ALE214)	
Sample description									250g Amber Jar	
									60g VOC (ALE215)	
Total Organic Carbon									400g Tub (ALE214)	
									250g Amber Jar	
TPH CWG GC (S)									60g VOC (ALE215)	
									400g Tub (ALE214)	



SDG: 140718-9
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Report Number: 289699
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SOLID Results Legend X Test N No Determination Possible	Lab Sample No(s)		Customer Sample Reference		AGS Reference		Depth (m)		Container	
	9639402	IP 925					0.50		250g Amber Jar	
	9639393	IP 925					0.20		60g VOC (ALE215) 400g Tub (ALE214)	
	9639386	IP 838					1.20		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9639378	IP 838					0.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
Asbestos ID in Solid Samples	9639911	IP 608					5.00		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9639896	IP 608					3.00		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
Asbestos Quantification - Full	9639882	IP 608					1.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9639870	IP 608					0.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
EPH CWG (Aliphatic) GC (S)	9639864	IP 607					4.00		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9639839	IP 607					1.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
EPH CWG (Aromatic) GC (S)	9639824	IP 607					0.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9640012	IP 598					2.00		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
GRO by GC-FID (S)	9639999	IP 598					1.00		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
									250g Amber Jar	
Metals in solid samples by OES										
PAH by GCMS										
pH										
Sample description										
Total Organic Carbon										
TPH CWG GC (S)										



SDG: 140718-9
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SOLID Results Legend X Test N No Determination Possible	Lab Sample No(s)		Customer Sample Reference		AGS Reference		Depth (m)		Container	
	9639533	IP 940					1.00		400g Tub (ALE214)	
	9639520	IP 940					0.70		60g VOC (ALE215)	
	9639510	IP 940					0.50		400g Tub (ALE214)	
	9639501	IP 926					5.00		60g VOC (ALE215)	
Asbestos ID in Solid Samples	9639473	IP 926					1.50		400g Tub (ALE214)	
	9639481	IP 926					2.50		60g VOC (ALE215)	
Asbestos Quantification - Full	9639493	IP 926					3.80		250g Amber Jar	
	9639466	IP 926					0.50		60g VOC (ALE215)	
EPH CWG (Aliphatic) GC (S)	9639457	IP 926					0.70		400g Tub (ALE214)	
	9639438	IP 925					4.50		250g Amber Jar	
EPH CWG (Aromatic) GC (S)	9639428	IP 925					3.50		60g VOC (ALE215)	
	9639411	IP 925					1.50		400g Tub (ALE214)	
GRO by GC-FID (S)	9639402	IP 925					0.50		60g VOC (ALE215)	
									250g Amber Jar	
Metals in solid samples by OES									400g Tub (ALE214)	
									60g VOC (ALE215)	
PAH by GCMS									250g Amber Jar	
									400g Tub (ALE214)	
pH									60g VOC (ALE215)	
									250g Amber Jar	
Sample description									400g Tub (ALE214)	
									60g VOC (ALE215)	
Total Organic Carbon									250g Amber Jar	
									400g Tub (ALE214)	
TPH CWG GC (S)									60g VOC (ALE215)	
									250g Amber Jar	



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SOLID														
Results Legend	Lab Sample No(s)													
	Customer Sample Reference													
	AGS Reference													
	Depth (m)													
	Container													
			9639533	9639543	9639554	9639564	9639586	9639634	9639643	9639652	9639660	9639668	9639684	9639614
			IP 940	IP 940	IP 940	IP 940	IP 940	IP 941	IP 941	IP 941	IP 941	IP 941	IP 1030	IP 1031
			1.00	1.40	3.00	4.50	6.00	0.30	1.00	2.00	3.50	5.00	0.50	2.50
			60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 36						X	X				X	X
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 116	X	X	X	X	X	X	X	X	X	X	X	X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 116	X	X	X	X	X	X	X	X	X	X	X	X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 116	X	X	X	X	X	X	X	X	X	X	X	X
Metals in solid samples by OES	All	NDPs: 0 Tests: 116	X	X	X	X	X	X	X	X	X	X	X	X
PAH by GCMS	All	NDPs: 0 Tests: 116	X	X	X	X	X	X	X	X	X	X	X	X
pH	All	NDPs: 0 Tests: 116		X	X	X	X	X	X	X	X	X	X	X
Sample description	All	NDPs: 0 Tests: 116	X	X	X	X	X	X	X	X	X	X	X	X
Total Organic Carbon	All	NDPs: 0 Tests: 23						X					X	
TPH CWG GC (S)	All	NDPs: 0 Tests: 116	X	X	X	X	X	X	X	X	X	X	X	X



SDG: 140718-9
Job: H_ATKINS_LDC-224
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SOLID Results Legend X Test N No Determination Possible	Lab Sample No(s)		Customer Sample Reference		AGS Reference		Depth (m)		Container	
	9639211		TPE 1720				0.50		250g Amber Jar	
	9640083		TPE 1710				4.50		60g VOC (ALE215) 400g Tub (ALE214)	
	9640065		TPE 1710				3.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9640053		TPE 1710				2.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9640040		TPE 1710				1.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9640027		TPE 1710				0.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9640158		TPE 1709				4.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9640144		TPE 1709				3.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9640131		TPE 1709				2.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9640120		TPE 1709				1.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9640096		TPE 1709				0.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9639700		IP 1154				1.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9639692		IP 1154				0.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9639625		IP 1031				3.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 36								
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 116								
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 116								
GRO by GC-FID (S)	All	NDPs: 0 Tests: 116								
Metals in solid samples by OES	All	NDPs: 0 Tests: 116								
PAH by GCMS	All	NDPs: 0 Tests: 116								
pH	All	NDPs: 0 Tests: 116								
Sample description	All	NDPs: 0 Tests: 116								
Total Organic Carbon	All	NDPs: 0 Tests: 23								
TPH CWG GC (S)	All	NDPs: 0 Tests: 116								



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SOLID Results Legend X Test N No Determination Possible	Lab Sample No(s)		Customer Sample Reference		AGS Reference		Depth (m)		Container	
	9640198	TPE 1722					3.50		400g Tub (ALE214)	
	9640189	TPE 1722					2.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9640179	TPE 1722					1.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9640171	TPE 1722					0.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9639207	TPE 1721					4.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9639203	TPE 1721					3.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9639198	TPE 1721					2.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9639192	TPE 1721					1.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9640214	TPE 1721					0.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9639228	TPE 1720					4.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9639223	TPE 1720					3.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9639219	TPE 1720					2.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9639215	TPE 1720					1.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9639211	TPE 1720					0.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 36								
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 116								
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 116								
GRO by GC-FID (S)	All	NDPs: 0 Tests: 116								
Metals in solid samples by OES	All	NDPs: 0 Tests: 116								
PAH by GCMS	All	NDPs: 0 Tests: 116								
pH	All	NDPs: 0 Tests: 116								
Sample description	All	NDPs: 0 Tests: 116								
Total Organic Carbon	All	NDPs: 0 Tests: 23								
TPH CWG GC (S)	All	NDPs: 0 Tests: 116								



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SOLID Results Legend X Test N No Determination Possible	Lab Sample No(s)		Customer Sample Reference		AGS Reference		Depth (m)		Container	
	9640198		TPE 1722				3.50		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
	9640206		TPE 1722				4.50		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
	9639233		TPE 1728				0.50		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
	9639241		TPE 1728				1.50		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
Asbestos ID in Solid Samples	9639247		TPE 1728				2.50		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
	9639251		TPE 1728				3.50		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
	9639255		TPE 1728				4.50		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
	9639259		TPE 1729				0.50		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
	9639264		TPE 1729				1.50		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
	9639270		TPE 1738				0.60		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
All		NDPs: 0 Tests: 36								
All		NDPs: 0 Tests: 116								
All		NDPs: 0 Tests: 116								
All		NDPs: 0 Tests: 116								
All		NDPs: 0 Tests: 116								
All		NDPs: 0 Tests: 116								
All		NDPs: 0 Tests: 116								
All		NDPs: 0 Tests: 116								
All		NDPs: 0 Tests: 116								
All		NDPs: 0 Tests: 116								
All		NDPs: 0 Tests: 116								
All		NDPs: 0 Tests: 23								
All		NDPs: 0 Tests: 116								



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Sample Descriptions

Grain Sizes

very fine	<0.063mm	fine	0.063mm - 0.1mm	medium	0.1mm - 2mm	coarse	2mm - 10mm	very coarse	>10mm
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Lab Sample No(s)	Customer Sample Ref.	Depth (m)	Colour	Description	Grain size	Inclusions	Inclusions 2
9639183	IP 6	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9639314	IP 6	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Oil/Petroleum
9639367	IP 6	2.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9639464	IP 7	0.50	Dark Brown	Sand	0.1 - 2 mm	Vegetation	Stones
9639575	IP 7	2.50	Dark Brown	Sand	0.1 - 2 mm	Stones	None
9639288	IP 9	0.20	Dark Brown	Clay Loam	0.063 - 0.1 mm	Stones	None
9639292	IP 9	1.00	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	None
9639296	IP 9	2.00	Grey	Sandy Silt Loam	0.1 - 2 mm	Stones	None
9639302	IP 9	3.00	Grey	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9639188	IP 16	4.50	Grey	Sandy Loam	0.1 - 2 mm	Stones	None
9639676	IP 16	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9639805	IP 16	1.50	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	None
9639952	IP 16	2.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9640108	IP 16	3.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9639237	IP 25	0.50	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Vegetation	Stones
9639274	IP 25	1.50	Dark Brown	Sand	0.1 - 2 mm	Stones	Oil/Petroleum
9639279	IP 25	2.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Oil/Petroleum
9639284	IP 25	3.50	Grey	Clay	0.063 - 0.1 mm	None	None
9639351	IP 28	0.50	Light Brown	Clay	<0.063 mm	Stones	None
9639356	IP 28	1.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9639361	IP 41	2.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9639310	IP 43	0.30	Dark Brown	Clay Loam	0.063 - 0.1 mm	Stones	None
9639318	IP 43	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9639322	IP 43	2.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9639328	IP 43	3.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9639333	IP 56	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9639337	IP 56	1.50	Dark Brown	Sand	0.1 - 2 mm	Stones	Oil/Petroleum
9639341	IP 56	2.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9639347	IP 56	3.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Oil/Petroleum
9639711	IP 553	1.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9639724	IP 553	2.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9639736	IP 553	4.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9639750	IP 565	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Concrete/Aggregate
9639765	IP 565	1.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9639779	IP 595	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9639791	IP 595	1.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Vegetation	Stones
9639820	IP 595	2.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9639832	IP 595	4.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None



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			Colour	Description	Grain size	Inclusions	Inclusions 2
9639845	IP 596	0.50	Light Brown	Sand	0.1 - 2 mm	Stones	None
9639857	IP 596	1.50	Dark Brown	Stone/Soil	> 10 mm	None	None
9639999	IP 598	1.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9640012	IP 598	2.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Brick	Stones
9639924	IP 607	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Vegetation	Stones
9639939	IP 607	1.50	Black	Silt Loam	0.063 - 0.1 mm	Vegetation	None
9639969	IP 607	2.50	Grey	Sandy Clay	0.1 - 2 mm	None	None
9639984	IP 607	4.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9639870	IP 608	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9639882	IP 608	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9639896	IP 608	3.00	Dark Brown	Sand	0.1 - 2 mm	Stones	None
9639911	IP 608	5.00	Dark Brown	Sand	0.1 - 2 mm	None	None
9639378	IP 838	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9639386	IP 838	1.20	Black	Sandy Silt Loam	0.1 - 2 mm	Stones	Vegetation
9639393	IP 925	0.20	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9639402	IP 925	0.50	Light Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9639411	IP 925	1.50	Dark Brown	Silt Loam	0.063 - 0.1 mm	Vegetation	None
9639420	IP 925	2.50	Grey	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9639428	IP 925	3.50	Grey	Sand	0.1 - 2 mm	None	None
9639438	IP 925	4.50	Grey	Loamy Sand	0.1 - 2 mm	None	None
9639446	IP 926	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Concrete/Aggregate	Brick
9639457	IP 926	0.70	Dark Brown	Clay	<0.063 mm	None	None
9639473	IP 926	1.50	Dark Brown	Silt Loam	0.063 - 0.1 mm	Vegetation	None
9639481	IP 926	2.50	Grey	Silty Clay	0.063 - 0.1 mm	Vegetation	None
9639493	IP 926	3.80	Grey	Loamy Sand	0.1 - 2 mm	None	None
9639501	IP 926	5.00	Grey	Sandy Clay	0.1 - 2 mm	None	None
9639510	IP 940	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Brick	Stones
9639520	IP 940	0.70	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	None	None
9639533	IP 940	1.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9639543	IP 940	1.40	Black	Silt Loam	0.063 - 0.1 mm	Vegetation	None
9639554	IP 940	3.00	Grey	Sandy Loam	0.1 - 2 mm	Stones	None
9639564	IP 940	4.50	Grey	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9639586	IP 940	6.00	Grey	Sandy Silt Loam	0.1 - 2 mm	None	None
9639634	IP 941	0.30	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Vegetation	Stones
9639643	IP 941	1.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Vegetation	None
9639652	IP 941	2.00	Grey	Sand	0.1 - 2 mm	None	None
9639660	IP 941	3.50	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	None
9639668	IP 941	5.00	Dark Brown	Sandy Clay	0.1 - 2 mm	None	None
9639684	IP 1030	0.50	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	Vegetation
9639596	IP 1031	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9639605	IP 1031	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Oil/Petroleum



CERTIFICATE OF ANALYSIS

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			Colour	Description	Grain size	Inclusions	Inclusions 2
9639614	IP 1031	2.50	Black	Silt Loam	0.063 - 0.1 mm	Vegetation	None
9639625	IP 1031	3.50	Grey	Loamy Sand	0.1 - 2 mm	None	None
9639692	IP 1154	0.50	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Vegetation	Stones
9639700	IP 1154	1.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9640096	TPE1709	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9640120	TPE1709	1.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
9640131	TPE1709	2.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
9640144	TPE1709	3.50	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	None
9640158	TPE1709	4.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9640027	TPE1710	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Vegetation	Stones
9640040	TPE1710	1.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9640053	TPE1710	2.50	Dark Brown	Sand	0.1 - 2 mm	Stones	None
9640065	TPE1710	3.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9640083	TPE1710	4.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Oil/Petroleum
9639211	TPE1720	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9639215	TPE1720	1.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
9639219	TPE1720	2.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9639223	TPE1720	3.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9639228	TPE1720	4.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Vegetation	Stones
9639192	TPE1721	1.50	Dark Brown	Loamy Sand	0.063 - 0.1 mm	Stones	None
9639198	TPE1721	2.50	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	None
9639203	TPE1721	3.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9639207	TPE1721	4.50	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	None
9640214	TPE1721	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9640171	TPE1722	0.50	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Vegetation	Stones
9640179	TPE1722	1.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
9640189	TPE1722	2.50	Dark Brown	Sand	0.1 - 2 mm	Stones	None
9640198	TPE1722	3.50	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	Vegetation
9640206	TPE1722	4.50	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Oil/Petroleum	Stones
9639233	TPE1728	0.50	Dark Brown	Sandy Clay	0.1 - 2 mm	Vegetation	Stones
9639241	TPE1728	1.50	Dark Brown	Loamy Sand	0.063 - 0.1 mm	Vegetation	Stones
9639247	TPE1728	2.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9639251	TPE1728	3.50	Dark Brown	Loamy Sand	0.063 - 0.1 mm	Vegetation	Stones
9639255	TPE1728	4.50	Dark Brown	Loamy Sand	0.063 - 0.1 mm	Stones	None
9639259	TPE1729	0.50	Dark Brown	Sand	0.1 - 2 mm	Stones	Vegetation
9639264	TPE1729	1.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
9639270	TPE1738	0.60	Grey	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation



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These descriptions are only intended to act as a cross check if sample identities are questioned, and to provide a log of sample matrices with respect to MCERTS validation. They are not intended as full geological descriptions.

We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample.

Other coarse granular materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

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PAH by GCMS

[illegible]

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TPH CWG (S)

Results Legend		Customer Sample Ref.						
#	ISO17025 accredited.		IP 6	IP 6	IP 6	IP 7	IP 7	IP 9
M	mCERTS accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	0.50 Soil/Solid 16/07/2014	1.50 Soil/Solid 16/07/2014	2.50 Soil/Solid 16/07/2014	0.50 Soil/Solid 16/07/2014	2.50 Soil/Solid 16/07/2014	0.20 Soil/Solid 16/07/2014
aq	Aqueous / settled sample.		18/07/2014 140718-9 9639183	18/07/2014 140718-9 9639314	18/07/2014 140718-9 9639367	18/07/2014 140718-9 9639464	18/07/2014 140718-9 9639575	18/07/2014 140718-9 9639288
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery							
(F)	Trigger breach confirmed							
1-5&*&@	Sample deviation (see appendix)							
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	102	104	95	89	95	58
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	3750	18200	709	<176	<176	<176
			M	M	M	M	M	M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<20	<20	<20	<20	<20	<20
			M	M	M	M	M	M
Benzene	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
			M	M	M	M	M	M
Toluene	<2 µg/kg	TM089	<8	<8	<8	<8	<8	<8
			M	M	M	M	M	M
Ethylbenzene	<3 µg/kg	TM089	<12	<12	<12	<12	<12	<12
			M	M	M	M	M	M
m,p-Xylene	<6 µg/kg	TM089	<24	<24	<24	<24	<24	<24
			M	M	M	M	M	M
o-Xylene	<3 µg/kg	TM089	<12	<12	<12	<12	<12	<12
			M	M	M	M	M	M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089	142	72.5	<40	<40	<40	<40
Aliphatics >C8-C10	<10 µg/kg	TM089	796	1510	49.7	<40	<40	<40
Aliphatics >C10-C12	<10 µg/kg	TM089	1360	9350	336	<40	<40	<40
Aliphatics >C12-C16	<100 µg/kg	TM173	<100	182000	5440	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173	4320	198000	9310	3230	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173	25200	310000	22200	5060	<100	51700
Aliphatics >C35-C44	<100 µg/kg	TM173	9810	86800	3630	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173	39400	777000	40600	8280	<100	51700
Aromatics >EC5-EC7	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089	530	1000	44.1	<40	<40	<40
Aromatics >EC10-EC12	<10 µg/kg	TM089	908	6240	224	<40	<40	<40
Aromatics >EC12-EC16	<100 µg/kg	TM173	<100	43300	<100	200	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173	1080	92400	<100	1270	<100	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173	23500	216000	<100	3650	<100	81700
Aromatics >EC35-EC44	<100 µg/kg	TM173	19000	83300	<100	510	<100	51900
Aromatics >EC40-EC44	<100 µg/kg	TM173	8190	31600	<100	<100	<100	10200
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	43500	435000	<100	5630	<100	134000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	86700	1230000	41200	13900	<100	185000



SDG: 140718-9
Job: H_ATKINS_LDC-224
Client Reference: Site Wide Trial Pitting

Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0749
Report Number: 289699
Superseded Report: 280305

TPH CWG (S)

Results Legend		Customer Sample Ref.						
#	ISO17025 accredited.		IP 9	IP 9	IP 9	IP 16	IP 16	IP 16
M	mCERTS accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	1.00 Soil/Solid 16/07/2014	2.00 Soil/Solid 16/07/2014	3.00 Soil/Solid 16/07/2014	0.50 Soil/Solid 16/07/2014	1.50 Soil/Solid 16/07/2014	2.50 Soil/Solid 16/07/2014
aq	Aqueous / settled sample.		18/07/2014 140718-9 9639292	18/07/2014 140718-9 9639296	18/07/2014 140718-9 9639302	18/07/2014 140718-9 9639676	18/07/2014 140718-9 9639805	18/07/2014 140718-9 9639952
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery							
(F)	Trigger breach confirmed							
1-5&*\$@	Sample deviation (see appendix)							
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	85	43	54	74	85	72
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	<176	<176	<176	<176	9740	<880
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<20	<20	<20	<20	<20	<100
Benzene	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<200
Toluene	<2 µg/kg	TM089	<8	<8	<8	<8	<8	<40
Ethylbenzene	<3 µg/kg	TM089	<12	<12	<12	<12	<12	<60
m,p-Xylene	<6 µg/kg	TM089	<24	<24	<24	<24	<24	<120
o-Xylene	<3 µg/kg	TM089	<12	<12	<12	<12	<12	<60
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<200
Aliphatics >C6-C8	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<200
Aliphatics >C8-C10	<10 µg/kg	TM089	<40	<40	<40	<40	882	<200
Aliphatics >C10-C12	<10 µg/kg	TM089	<40	<40	<40	<40	4930	432
Aliphatics >C12-C16	<100 µg/kg	TM173	<100	<100	<100	102000	<100	26200
Aliphatics >C16-C21	<100 µg/kg	TM173	<100	<100	<100	221000	<100	31100
Aliphatics >C21-C35	<100 µg/kg	TM173	<100	<100	<100	141000	<100	3650
Aliphatics >C35-C44	<100 µg/kg	TM173	<100	<100	<100	15700	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173	<100	<100	<100	480000	<100	61000
Aromatics >EC5-EC7	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<200
Aromatics >EC7-EC8	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<200
Aromatics >EC8-EC10	<10 µg/kg	TM089	<40	<40	<40	<40	588	<200
Aromatics >EC10-EC12	<10 µg/kg	TM089	<40	<40	<40	<40	3290	289
Aromatics >EC12-EC16	<100 µg/kg	TM173	<100	<100	<100	20800	<100	1930
Aromatics >EC16-EC21	<100 µg/kg	TM173	<100	<100	<100	75500	<100	5050
Aromatics >EC21-EC35	<100 µg/kg	TM173	<100	<100	<100	98500	<100	1550
Aromatics >EC35-EC44	<100 µg/kg	TM173	<100	<100	<100	21400	<100	532
Aromatics >EC40-EC44	<100 µg/kg	TM173	<100	<100	<100	8120	<100	438
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	<100	<100	<100	216000	<100	9070
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	<100	<100	<100	696000	9740	71000



SDG: 140718-9
Job: H_ATKINS_LDC-224
Client Reference: Site Wide Trial Pitting

Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0749
Report Number: 289699
Superseded Report: 280305

TPH CWG (S)

Results Legend		Customer Sample Ref.	IP 16		IP 16		IP 25		IP 25		IP 25		IP 25	
#	ISO17025 accredited.		3.50	Soil/Solid	4.50	Soil/Solid	0.50	Soil/Solid	1.50	Soil/Solid	2.50	Soil/Solid	3.50	Soil/Solid
M	mCERTS accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	16/07/2014	16/07/2014	16/07/2014	16/07/2014	16/07/2014	16/07/2014	16/07/2014	16/07/2014	16/07/2014	16/07/2014	16/07/2014	16/07/2014
aq	Aqueous / settled sample.		18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014
diss.filt	Dissolved / filtered sample.		140718-9	140718-9	140718-9	140718-9	140718-9	140718-9	140718-9	140718-9	140718-9	140718-9	140718-9	140718-9
tot.unfilt	Total / unfiltered sample.		9640108	9639188	9639237	9639274	9639279	9639284						
*	Subcontracted test.													
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery													
(F)	Trigger breach confirmed													
1-5&*&@	Sample deviation (see appendix)													
Component	LOD/Units	Method	IP 16		IP 16		IP 25		IP 25		IP 25		IP 25	
GRO Surrogate % recovery**	%	TM089	98	◆	45		83		86		77		19	
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	<880	◆ M	<176	M	<176	M	37600	M	90300	M	<176	M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<100	◆ M	<20	M	<20	M	<20	M	<20	M	<20	M
Benzene	<10 µg/kg	TM089	<200	◆ M	<40	M	<40	M	<40	M	<40	M	<40	M
Toluene	<2 µg/kg	TM089	<40	◆ M	<8	M	<8	M	<8	M	<8	M	<8	M
Ethylbenzene	<3 µg/kg	TM089	<60	◆ M	<12	M	<12	M	<12	M	<12	M	<12	M
m,p-Xylene	<6 µg/kg	TM089	<120	◆ M	<24	M	<24	M	<24	M	<24	M	<24	M
o-Xylene	<3 µg/kg	TM089	<60	◆ M	<12	M	<12	M	<12	M	<12	M	<12	M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	◆	<9		<9		<9		<9		<9	
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	◆	<24		<24		<24		<24		<24	
Aliphatics >C5-C6	<10 µg/kg	TM089	<200	◆	<40		<40		<40		<40		<40	
Aliphatics >C6-C8	<10 µg/kg	TM089	<200	◆	<40		<40		<40		119		<40	
Aliphatics >C8-C10	<10 µg/kg	TM089	<200	◆	<40		<40		2460		13300		<40	
Aliphatics >C10-C12	<10 µg/kg	TM089	<200	◆	<40		55.6		20100		40800		<40	
Aliphatics >C12-C16	<100 µg/kg	TM173	299		<100		324000		761000		3280000		<100	
Aliphatics >C16-C21	<100 µg/kg	TM173	370		<100		1170000		724000		2450000		<100	
Aliphatics >C21-C35	<100 µg/kg	TM173	<100		<100		1150000		341000		306000		<100	
Aliphatics >C35-C44	<100 µg/kg	TM173	<100		<100		101000		33800		<500		<100	
Total Aliphatics >C12-C44	<100 µg/kg	TM173	669		<100		2740000		1860000		6040000		<100	
Aromatics >EC5-EC7	<10 µg/kg	TM089	<200	◆	<40		<40		<40		<40		<40	
Aromatics >EC7-EC8	<10 µg/kg	TM089	<200	◆	<40		<40		<40		<40		<40	
Aromatics >EC8-EC10	<10 µg/kg	TM089	<200	◆	<40		<40		1640		8870		<40	
Aromatics >EC10-EC12	<10 µg/kg	TM089	<200	◆	<40		<40		13400		27200		<40	
Aromatics >EC12-EC16	<100 µg/kg	TM173	<100		<100		16100		177000		257000		<100	
Aromatics >EC16-EC21	<100 µg/kg	TM173	<100		<100		258000		269000		434000		<100	
Aromatics >EC21-EC35	<100 µg/kg	TM173	1200		<100		328000		192000		104000		<100	
Aromatics >EC35-EC44	<100 µg/kg	TM173	5270		<100		51500		17700		2480		<100	
Aromatics >EC40-EC44	<100 µg/kg	TM173	2730		<100		18500		4460		<100		<100	
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	6470		<100		653000		656000		798000		<100	
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	7160		<100		3400000		2550000		6930000		<100	



SDG: 140718-9
Job: H_ATKINS_LDC-224
Client Reference: Site Wide Trial Pitting

Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0749
Report Number: 289699
Superseded Report: 280305

TPH CWG (S)

Results Legend		Customer Sample Ref.						
#	ISO17025 accredited.		IP 28	IP 28	IP 41	IP 43	IP 43	IP 43
M	mCERTS accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	0.50	1.50	2.50	0.30	1.50	2.50
aq	Aqueous / settled sample.		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
diss.filt	Dissolved / filtered sample.		16/07/2014	16/07/2014	16/07/2014	16/07/2014	16/07/2014	16/07/2014
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery		18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014
(F)	Trigger breach confirmed		140718-9	140718-9	140718-9	140718-9	140718-9	140718-9
1-5&*\$@	Sample deviation (see appendix)		9639351	9639356	9639361	9639310	9639318	9639322
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	112	47	107	68	62	77
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	<176	<176	<176	762	2430	7650
			M	M	M	M	M	M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<20	<20	<20	<20	<20	<20
			M	M	M	M	M	M
Benzene	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
			M	M	M	M	M	M
Toluene	<2 µg/kg	TM089	<8	<8	<8	<8	<8	<8
			M	M	M	M	M	M
Ethylbenzene	<3 µg/kg	TM089	<12	<12	<12	<12	<12	<12
			M	M	M	M	M	M
m,p-Xylene	<6 µg/kg	TM089	<24	<24	<24	<24	<24	<24
			M	M	M	M	M	M
o-Xylene	<3 µg/kg	TM089	<12	<12	<12	<12	<12	<12
			M	M	M	M	M	M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089	<40	<40	<40	<40	67.2	938
Aliphatics >C8-C10	<10 µg/kg	TM089	<40	<40	<40	103	373	2670
Aliphatics >C10-C12	<10 µg/kg	TM089	<40	<40	<40	329	1040	1340
Aliphatics >C12-C16	<100 µg/kg	TM173	<100	<100	2080	292000	260000	71600
Aliphatics >C16-C21	<100 µg/kg	TM173	<100	<100	6310	978000	1080000	313000
Aliphatics >C21-C35	<100 µg/kg	TM173	<100	<100	8470	847000	1250000	371000
Aliphatics >C35-C44	<100 µg/kg	TM173	<100	<100	<100	59200	112000	26500
Total Aliphatics >C12-C44	<100 µg/kg	TM173	<100	<100	16900	2180000	2700000	781000
Aromatics >EC5-EC7	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089	<40	<40	<40	68.2	249	1780
Aromatics >EC10-EC12	<10 µg/kg	TM089	<40	<40	<40	219	692	892
Aromatics >EC12-EC16	<100 µg/kg	TM173	<100	<100	<100	19800	41700	10700
Aromatics >EC16-EC21	<100 µg/kg	TM173	<100	<100	2180	226000	378000	95900
Aromatics >EC21-EC35	<100 µg/kg	TM173	<100	<100	5410	323000	524000	132000
Aromatics >EC35-EC44	<100 µg/kg	TM173	<100	<100	<100	58500	86700	20000
Aromatics >EC40-EC44	<100 µg/kg	TM173	<100	<100	<100	22900	30900	7110
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	<100	<100	7590	628000	1030000	259000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	<100	<100	24500	2800000	3730000	1050000



SDG: 140718-9
Job: H_ATKINS_LDC-224
Client Reference: Site Wide Trial Pitting

Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0749
Report Number: 289699
Superseded Report: 280305

TPH CWG (S)

Results Legend		Customer Sample Ref.						
#	ISO17025 accredited.		IP 43	IP 56	IP 56	IP 56	IP 56	IP 553
M	mCERTS accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	3.50 Soil/Solid 16/07/2014	0.50 Soil/Solid 16/07/2014	1.50 Soil/Solid 16/07/2014	2.50 Soil/Solid 16/07/2014	3.50 Soil/Solid 16/07/2014	1.00 Soil/Solid 16/07/2014
aq	Aqueous / settled sample.		18/07/2014 140718-9 9639328	18/07/2014 140718-9 9639333	18/07/2014 140718-9 9639337	18/07/2014 140718-9 9639341	18/07/2014 140718-9 9639347	18/07/2014 140718-9 9639711
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery							
(F)	Trigger breach confirmed							
1-5&*\$@	Sample deviation (see appendix)							
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	78	18	88	90	98	79
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	3980	9120	15400	20700	64300	<176
			M	M	M	M	M	M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<20	<20	<20	61.6	566	<20
			M	M	M	M	M	M
Benzene	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
			M	M	M	M	M	M
Toluene	<2 µg/kg	TM089	<8	<8	<8	<8	<8	<8
			M	M	M	M	M	M
Ethylbenzene	<3 µg/kg	TM089	<12	<12	<12	<12	<12	<12
			M	M	M	M	M	M
m,p-Xylene	<6 µg/kg	TM089	<24	<24	<24	<24	<24	<24
			M	M	M	M	M	M
o-Xylene	<3 µg/kg	TM089	<12	<12	<12	<12	<12	<12
			M	M	M	M	M	M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089	<40	<40	<40	71.7	720	<40
Aliphatics >C6-C8	<10 µg/kg	TM089	634	364	1040	2370	17600	<40
Aliphatics >C8-C10	<10 µg/kg	TM089	1290	1640	5390	6290	19500	<40
Aliphatics >C10-C12	<10 µg/kg	TM089	703	3600	3180	4650	7730	<40
Aliphatics >C12-C16	<100 µg/kg	TM173	<100	362000	6700	12100	1530	<100
Aliphatics >C16-C21	<100 µg/kg	TM173	2700	1410000	29700	99400	2970	<100
Aliphatics >C21-C35	<100 µg/kg	TM173	3860	1990000	44200	117000	3080	<100
Aliphatics >C35-C44	<100 µg/kg	TM173	<100	231000	2630	6550	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173	6550	3990000	83200	235000	7580	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089	857	1100	3590	4190	13000	<40
Aromatics >EC10-EC12	<10 µg/kg	TM089	468	2400	2120	3100	5150	<40
Aromatics >EC12-EC16	<100 µg/kg	TM173	<100	44900	<100	3500	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173	<100	451000	7520	34200	1220	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173	<100	686000	18800	47600	2620	3280
Aromatics >EC35-EC44	<100 µg/kg	TM173	<100	98400	843	6960	<100	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173	<100	39500	<100	<100	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	<100	1280000	27100	92300	3840	3280
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	10500	5280000	126000	348000	75200	3280



SDG: 140718-9
Job: H_ATKINS_LDC-224
Client Reference: Site Wide Trial Pitting

Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0749
Report Number: 289699
Superseded Report: 280305

TPH CWG (S)

Results Legend		Customer Sample Ref.	IP 553	IP 553	IP 565	IP 565	IP 595	IP 595
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	2.00	4.00	0.50	1.50	0.50	1.50
M	mCERTS accredited.		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.		16/07/2014	16/07/2014	16/07/2014	16/07/2014	16/07/2014	16/07/2014
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery		18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014
(F)	Trigger breach confirmed		140718-9	140718-9	140718-9	140718-9	140718-9	140718-9
1-5&*&\$@	Sample deviation (see appendix)		9639724	9639736	9639750	9639765	9639779	9639791
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	81	102	85	85	88	111
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	109000	6070	<176	<176	5480	574
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<20	<20	<20	<20	<20	<20
Benzene	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Toluene	<2 µg/kg	TM089	<8	<8	<8	<8	<8	<8
Ethylbenzene	<3 µg/kg	TM089	<12	<12	<12	<12	<12	<12
m,p-Xylene	<6 µg/kg	TM089	<24	<24	<24	<24	<24	<24
o-Xylene	<3 µg/kg	TM089	<12	<12	<12	<12	<12	<12
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089	849	92.7	<40	<40	221	48.7
Aliphatics >C8-C10	<10 µg/kg	TM089	14800	473	<40	<40	1860	121
Aliphatics >C10-C12	<10 µg/kg	TM089	50300	3090	<40	<40	1290	188
Aliphatics >C12-C16	<100 µg/kg	TM173	412000	7560	<100	<100	7170	28800
Aliphatics >C16-C21	<100 µg/kg	TM173	8190	<100	2230	<100	7590	2830
Aliphatics >C21-C35	<100 µg/kg	TM173	<100	<100	10100	21100	15400	<100
Aliphatics >C35-C44	<100 µg/kg	TM173	<100	<100	1850	<100	6140	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173	420000	7560	14200	21100	36300	31600
Aromatics >EC5-EC7	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089	9890	316	<40	<40	1240	80
Aromatics >EC10-EC12	<10 µg/kg	TM089	33500	2060	<40	<40	861	125
Aromatics >EC12-EC16	<100 µg/kg	TM173	49500	906	<100	<100	386	2730
Aromatics >EC16-EC21	<100 µg/kg	TM173	2900	<100	1150	1580	3310	1320
Aromatics >EC21-EC35	<100 µg/kg	TM173	<100	<100	25100	27300	35900	8950
Aromatics >EC35-EC44	<100 µg/kg	TM173	<100	<100	7060	13600	10900	1390
Aromatics >EC40-EC44	<100 µg/kg	TM173	<100	<100	2600	4230	4020	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	52400	906	33300	42400	50500	14400
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	582000	14500	47500	63500	92200	46600



SDG: 140718-9
Job: H_ATKINS_LDC-224
Client Reference: Site Wide Trial Pitting

Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0749
Report Number: 289699
Superseded Report: 280305

TPH CWG (S)

Results Legend		Customer Sample Ref.	IP 595	IP 595	IP 596	IP 596	IP 598	IP 598
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference						
M	mCERTS accredited.		2.50	4.50	0.50	1.50	1.00	2.00
aq	Aqueous / settled sample.		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
diss.filt	Dissolved / filtered sample.		16/07/2014	16/07/2014	16/07/2014	16/07/2014	16/07/2014	16/07/2014
tot.unfilt	Total / unfiltered sample.		18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014
*	Subcontracted test.		140718-9	140718-9	140718-9	140718-9	140718-9	140718-9
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery		9639820	9639832	9639845	9639857	9639999	9640012
(F)	Trigger breach confirmed							
1-5&*&\$@	Sample deviation (see appendix)							
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	126	149	102	104	83	83
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	726	<176	<176	7370	<176	<176
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<20	<20	<20	<20	<20	<20
Benzene	<10 µg/kg	TM089	<40	<40	<40	<40	<40	50.2
Toluene	<2 µg/kg	TM089	<8	<8	<8	<8	<8	18.2
Ethylbenzene	<3 µg/kg	TM089	<12	<12	18.7	<12	<12	18.2
m,p-Xylene	<6 µg/kg	TM089	<24	<24	76.9	<24	<24	<24
o-Xylene	<3 µg/kg	TM089	<12	<12	28.6	<12	<12	<12
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	<9	106	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	<24	125	<24	<24	86.6
Aliphatics >C5-C6	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089	55.9	<40	<40	<40	<40	<40
Aliphatics >C8-C10	<10 µg/kg	TM089	115	56.9	<40	888	<40	<40
Aliphatics >C10-C12	<10 µg/kg	TM089	272	<40	<40	3510	<40	<40
Aliphatics >C12-C16	<100 µg/kg	TM173	<100	<100	2360	12700	<100	1430
Aliphatics >C16-C21	<100 µg/kg	TM173	<100	<100	7550	5310	1090	2200
Aliphatics >C21-C35	<100 µg/kg	TM173	<100	<100	59700	13500	10800	15900
Aliphatics >C35-C44	<100 µg/kg	TM173	<100	<100	44700	<100	3440	6080
Total Aliphatics >C12-C44	<100 µg/kg	TM173	<100	<100	114000	31400	15400	25600
Aromatics >EC5-EC7	<10 µg/kg	TM089	<40	<40	<40	<40	<40	50.2
Aromatics >EC7-EC8	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089	88.9	44.8	124	592	<40	62.7
Aromatics >EC10-EC12	<10 µg/kg	TM089	181	<40	<40	2340	<40	<40
Aromatics >EC12-EC16	<100 µg/kg	TM173	<100	<100	1160	<100	3190	669
Aromatics >EC16-EC21	<100 µg/kg	TM173	<100	<100	4220	2060	4900	1840
Aromatics >EC21-EC35	<100 µg/kg	TM173	<100	<100	41400	16900	26600	12400
Aromatics >EC35-EC44	<100 µg/kg	TM173	<100	<100	27400	8820	11600	6250
Aromatics >EC40-EC44	<100 µg/kg	TM173	<100	<100	11500	3560	4500	2680
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	<100	<100	74200	27800	46300	21200
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	725	113	189000	66600	61700	46900



SDG: 140718-9
Job: H_ATKINS_LDC-224
Client Reference: Site Wide Trial Pitting

Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0749
Report Number: 289699
Superseded Report: 280305

TPH CWG (S)

Results Legend		Customer Sample Ref.	IP 607		IP 607		IP 607		IP 607		IP 608		IP 608	
#	ISO17025 accredited.		0.50		1.50		2.50		4.00		0.50		1.50	
M	mCERTS accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	Soil/Solid		Soil/Solid		Soil/Solid		Soil/Solid		Soil/Solid		Soil/Solid	
aq	Aqueous / settled sample.		16/07/2014		16/07/2014		16/07/2014		16/07/2014		16/07/2014		16/07/2014	
diss.filt	Dissolved / filtered sample.	Subcontracted test. % recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery	18/07/2014		18/07/2014		18/07/2014		18/07/2014		18/07/2014		18/07/2014	
tot.unfilt	Total / unfiltered sample.		140718-9		140718-9		140718-9		140718-9		140718-9		140718-9	
*	Subcontracted test.	Trigger breach confirmed	9639924		9639939		9639969		9639984		9639870		9639882	
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery													
(F)	Trigger breach confirmed	1-5&*&\$@ Sample deviation (see appendix)												
1-5&*&\$@	Sample deviation (see appendix)													
Component	LOD/Units	Method												
GRO Surrogate % recovery**	%	TM089	83		33		91		92		79		83	
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	<176		<176		<176		<176		<176		<176	
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<20		<20		<20		<20		<20		<20	
Benzene	<10 µg/kg	TM089	<40		<40		<40		<40		<40		<40	
Toluene	<2 µg/kg	TM089	<8		27.2		<8		<8		<8		<8	
Ethylbenzene	<3 µg/kg	TM089	<12		<12		<12		<12		<12		<12	
m,p-Xylene	<6 µg/kg	TM089	<24		<24		<24		<24		<24		<24	
o-Xylene	<3 µg/kg	TM089	<12		<12		<12		<12		<12		<12	
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9		<9		<9		<9		<9		<9	
sum of detected BTEX by GC	<24 µg/kg	TM089	<24		27.2		<24		<24		<24		<24	
Aliphatics >C5-C6	<10 µg/kg	TM089	<40		<40		<40		<40		<40		<40	
Aliphatics >C6-C8	<10 µg/kg	TM089	<40		<40		<40		<40		<40		<40	
Aliphatics >C8-C10	<10 µg/kg	TM089	<40		<40		<40		<40		<40		<40	
Aliphatics >C10-C12	<10 µg/kg	TM089	<40		<40		<40		<40		<40		<40	
Aliphatics >C12-C16	<100 µg/kg	TM173	2210		<100		<100		<100		<100		<100	
Aliphatics >C16-C21	<100 µg/kg	TM173	4610		105		<100		<100		<100		<100	
Aliphatics >C21-C35	<100 µg/kg	TM173	27400		137000		<100		<100		8060		<100	
Aliphatics >C35-C44	<100 µg/kg	TM173	15700		949		<100		<100		1960		<100	
Total Aliphatics >C12-C44	<100 µg/kg	TM173	49900		138000		<100		<100		10000		<100	
Aromatics >EC5-EC7	<10 µg/kg	TM089	<40		<40		<40		<40		<40		<40	
Aromatics >EC7-EC8	<10 µg/kg	TM089	<40		<40		<40		<40		<40		<40	
Aromatics >EC8-EC10	<10 µg/kg	TM089	<40		<40		<40		<40		<40		<40	
Aromatics >EC10-EC12	<10 µg/kg	TM089	<40		<40		<40		<40		<40		<40	
Aromatics >EC12-EC16	<100 µg/kg	TM173	<100		<100		<100		<100		<100		<100	
Aromatics >EC16-EC21	<100 µg/kg	TM173	2060		4680		<100		<100		1090		<100	
Aromatics >EC21-EC35	<100 µg/kg	TM173	25500		289000		<100		<100		14300		2390	
Aromatics >EC35-EC44	<100 µg/kg	TM173	15100		146000		<100		<100		9900		<100	
Aromatics >EC40-EC44	<100 µg/kg	TM173	6380		41000		<100		<100		3750		<100	
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	42700		439000		<100		<100		25200		2390	
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	92600		578000		<100		<100		35300		2390	



SDG: 140718-9
Job: H_ATKINS_LDC-224
Client Reference: Site Wide Trial Pitting

Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0749
Report Number: 289699
Superseded Report: 280305

TPH CWG (S)

Results Legend		Customer Sample Ref.	IP 608	IP 608	IP 838	IP 838	IP 925	IP 925
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	3.00	5.00	0.50	1.20	0.20	0.50
M	mCERTS accredited.		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.		16/07/2014	16/07/2014	16/07/2014	16/07/2014	16/07/2014	16/07/2014
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery		18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014
(F)	Trigger breach confirmed		140718-9	140718-9	140718-9	140718-9	140718-9	140718-9
1-5&*&@	Sample deviation (see appendix)		9639896	9639911	9639378	9639386	9639393	9639402
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	75	75	68	71	101	82
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	<176	<176	<176	<880	<880	<176
			M	M	M	M	M	M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<20	<20	<20	<100	<100	<20
			M	M	M	M	M	M
Benzene	<10 µg/kg	TM089	<40	<40	<40	<200	<200	<40
			M	M	M	M	M	M
Toluene	<2 µg/kg	TM089	<8	<8	12.1	<40	<40	<8
			M	M	M	M	M	M
Ethylbenzene	<3 µg/kg	TM089	<12	<12	<12	<60	<60	<12
			M	M	M	M	M	M
m,p-Xylene	<6 µg/kg	TM089	<24	<24	<24	<120	<120	<24
			M	M	M	M	M	M
o-Xylene	<3 µg/kg	TM089	<12	<12	<12	<60	<60	<12
			M	M	M	M	M	M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089	<40	<40	<40	<200	<200	<40
Aliphatics >C6-C8	<10 µg/kg	TM089	<40	<40	<40	<200	<200	<40
Aliphatics >C8-C10	<10 µg/kg	TM089	<40	<40	<40	<200	<200	<40
Aliphatics >C10-C12	<10 µg/kg	TM089	<40	<40	<40	<200	<200	<40
Aliphatics >C12-C16	<100 µg/kg	TM173	<100	<100	<100	<100	4820	1760
Aliphatics >C16-C21	<100 µg/kg	TM173	<100	<100	10200	<100	24000	10700
Aliphatics >C21-C35	<100 µg/kg	TM173	<100	<100	56000	31400	72900	46100
Aliphatics >C35-C44	<100 µg/kg	TM173	<100	<100	12700	<100	17000	6650
Total Aliphatics >C12-C44	<100 µg/kg	TM173	<100	<100	79000	31400	119000	65300
Aromatics >EC5-EC7	<10 µg/kg	TM089	<40	<40	<40	<200	<200	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089	<40	<40	<40	<200	<200	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089	<40	<40	<40	<200	<200	<40
Aromatics >EC10-EC12	<10 µg/kg	TM089	<40	<40	<40	<200	<200	<40
Aromatics >EC12-EC16	<100 µg/kg	TM173	<100	<100	<100	218	784	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173	<100	<100	10000	4030	8910	992
Aromatics >EC21-EC35	<100 µg/kg	TM173	<100	<100	99000	132000	157000	20900
Aromatics >EC35-EC44	<100 µg/kg	TM173	<100	<100	29600	52100	47100	7900
Aromatics >EC40-EC44	<100 µg/kg	TM173	<100	<100	11800	12800	13900	2800
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	<100	<100	139000	188000	214000	29700
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	<100	<100	218000	219000	333000	95000



SDG: 140718-9
Job: H_ATKINS_LDC-224
Client Reference: Site Wide Trial Pitting

Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0749
Report Number: 289699
Superseded Report: 280305

TPH CWG (S)

Results Legend		Customer Sample Ref.	IP 925	IP 925	IP 925	IP 925	IP 926	IP 926
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	1.50	2.50	3.50	4.50	0.50	0.70
M	mCERTS accredited.		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.		16/07/2014	16/07/2014	16/07/2014	16/07/2014	16/07/2014	16/07/2014
diss.filt	Dissolved / filtered sample.		18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014
tot.unfilt	Total / unfiltered sample.		140718-9	140718-9	140718-9	140718-9	140718-9	140718-9
*	Subcontracted test.		9639411	9639420	9639428	9639438	9639446	9639457
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery							
(F)	Trigger breach confirmed							
1-5&*&\$@	Sample deviation (see appendix)							
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	71	61	78	77	71	87
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	<880	<176	<176	<880	<176	291
			M	M	M	M	M	M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<100	<20	<20	<100	<20	<20
			M	M	M	M	M	M
Benzene	<10 µg/kg	TM089	<200	<40	<40	<200	<40	<40
			M	M	M	M	M	M
Toluene	<2 µg/kg	TM089	<40	<8	<8	<40	<8	<8
			M	M	M	M	M	M
Ethylbenzene	<3 µg/kg	TM089	<60	<12	<12	<60	<12	<12
			M	M	M	M	M	M
m,p-Xylene	<6 µg/kg	TM089	<120	<24	<24	<120	<24	<24
			M	M	M	M	M	M
o-Xylene	<3 µg/kg	TM089	<60	<12	<12	<60	<12	<12
			M	M	M	M	M	M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089	<200	<40	<40	<200	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089	<200	<40	<40	<200	<40	49.1
Aliphatics >C8-C10	<10 µg/kg	TM089	<200	<40	<40	<200	<40	56.2
Aliphatics >C10-C12	<10 µg/kg	TM089	<200	<40	<40	<200	<40	65.5
Aliphatics >C12-C16	<100 µg/kg	TM173	<100	<100	<100	<100	6340	<100
Aliphatics >C16-C21	<100 µg/kg	TM173	4230	<100	<100	<100	15000	<100
Aliphatics >C21-C35	<100 µg/kg	TM173	213000	24500	<100	<100	50600	<100
Aliphatics >C35-C44	<100 µg/kg	TM173	5040	284	<100	<100	19600	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173	222000	24700	<100	<100	91500	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089	<200	<40	<40	<200	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089	<200	<40	<40	<200	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089	<200	<40	<40	<200	<40	62
Aromatics >EC10-EC12	<10 µg/kg	TM089	<200	<40	<40	<200	<40	43.3
Aromatics >EC12-EC16	<100 µg/kg	TM173	2870	<100	<100	<100	639	1070
Aromatics >EC16-EC21	<100 µg/kg	TM173	13500	431	<100	<100	4500	1460
Aromatics >EC21-EC35	<100 µg/kg	TM173	1110000	84700	<100	<100	48700	13700
Aromatics >EC35-EC44	<100 µg/kg	TM173	198000	16000	<100	<100	26600	11800
Aromatics >EC40-EC44	<100 µg/kg	TM173	45100	3010	<100	<100	9990	2250
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	1320000	101000	<100	<100	80400	28000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	1540000	126000	<100	<100	172000	28300



SDG: 140718-9
Job: H_ATKINS_LDC-224
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Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0749
Report Number: 289699
Superseded Report: 280305

TPH CWG (S)

Results Legend		Customer Sample Ref.	IP 926	IP 926	IP 926	IP 926	IP 940	IP 940
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	1.50	2.50	3.80	5.00	0.50	0.70
M	mCERTS accredited.		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.		16/07/2014	16/07/2014	16/07/2014	16/07/2014	16/07/2014	16/07/2014
diss.filt	Dissolved / filtered sample.		18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014
tot.unfilt	Total / unfiltered sample.		140718-9	140718-9	140718-9	140718-9	140718-9	140718-9
*	Subcontracted test.		9639473	9639481	9639493	9639501	9639510	9639520
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery							
(F)	Trigger breach confirmed							
1-5&*&\$@	Sample deviation (see appendix)							
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	36	60	43	40	80	87
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	<176 M	<176 M	<176 M	<176 M	913 M	6660 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<20 M	<20 M	<20 M	<20 M	<20 M	<20 M
Benzene	<10 µg/kg	TM089	<40 M	<40 M	<40 M	<40 M	<40 M	<40 M
Toluene	<2 µg/kg	TM089	<8 M	<8 M	<8 M	<8 M	12.3 M	<8 M
Ethylbenzene	<3 µg/kg	TM089	<12 M	<12 M	<12 M	<12 M	<12 M	21.8 M
m,p-Xylene	<6 µg/kg	TM089	<24 M	<24 M	<24 M	<24 M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089	<12 M	<12 M	<12 M	<12 M	<12 M	65.3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	<9	<9	<9	<9	65.3
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	<24	<24	<24	<24	87.1
Aliphatics >C5-C6	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089	<40	<40	<40	<40	111	214
Aliphatics >C8-C10	<10 µg/kg	TM089	<40	<40	<40	<40	155	1440
Aliphatics >C10-C12	<10 µg/kg	TM089	<40	<40	<40	<40	284	2350
Aliphatics >C12-C16	<100 µg/kg	TM173	<100	<100	<100	<100	9090	<100
Aliphatics >C16-C21	<100 µg/kg	TM173	<100	<100	<100	<100	25000	<100
Aliphatics >C21-C35	<100 µg/kg	TM173	133000	42700	<100	<100	46900	<100
Aliphatics >C35-C44	<100 µg/kg	TM173	<100	<100	<100	<100	12100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173	133000	42700	<100	<100	93000	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089	<40	<40	<40	<40	136	1070
Aromatics >EC10-EC12	<10 µg/kg	TM089	<40	<40	<40	<40	189	1560
Aromatics >EC12-EC16	<100 µg/kg	TM173	<100	<100	<100	<100	1470	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173	2330	<100	<100	<100	11100	1640
Aromatics >EC21-EC35	<100 µg/kg	TM173	509000	113000	<100	<100	49800	12700
Aromatics >EC35-EC44	<100 µg/kg	TM173	173000	25000	<100	<100	21300	4530
Aromatics >EC40-EC44	<100 µg/kg	TM173	24800	5620	<100	<100	8350	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	684000	138000	<100	<100	83700	18900
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	817000	181000	<100	<100	178000	25500



SDG: 140718-9
Job: H_ATKINS_LDC-224
Client Reference: Site Wide Trial Pitting

Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0749
Report Number: 289699
Superseded Report: 280305

TPH CWG (S)

Results Legend		Customer Sample Ref.	IP 940	IP 940	IP 940	IP 940	IP 940	IP 941
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	1.00	1.40	3.00	4.50	6.00	0.30
M	mCERTS accredited.		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.		16/07/2014	16/07/2014	16/07/2014	16/07/2014	16/07/2014	16/07/2014
diss.filt	Dissolved / filtered sample.		18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014
tot.unfilt	Total / unfiltered sample.		140718-9	140718-9	140718-9	140718-9	140718-9	140718-9
*	Subcontracted test.		9639533	9639543	9639554	9639564	9639586	9639634
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery							
(F)	Trigger breach confirmed							
1-5&*&\$@	Sample deviation (see appendix)							
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	122	87	99	82	136	70
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	1230000	446000	<176	<176	<880	995
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<100	<100	<20	<20	<100	<20
Benzene	<10 µg/kg	TM089	<200	<200	<40	<40	<200	<40
Toluene	<2 µg/kg	TM089	<40	<40	<8	<8	<40	<8
Ethylbenzene	<3 µg/kg	TM089	<60	<60	<12	<12	<60	<12
m,p-Xylene	<6 µg/kg	TM089	<120	24500	<24	<24	<120	<24
o-Xylene	<3 µg/kg	TM089	<60	<60	<12	<12	<60	<12
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	24500	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	24500	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089	3160	23700	<40	<40	<200	<40
Aliphatics >C6-C8	<10 µg/kg	TM089	287000	245000	<40	<40	<200	68.1
Aliphatics >C8-C10	<10 µg/kg	TM089	363000	75400	<40	<40	<200	116
Aliphatics >C10-C12	<10 µg/kg	TM089	198000	16800	<40	<40	<200	429
Aliphatics >C12-C16	<100 µg/kg	TM173	112000	<100	<100	<100	<100	93100
Aliphatics >C16-C21	<100 µg/kg	TM173	29000	<100	<100	<100	<100	54600
Aliphatics >C21-C35	<100 µg/kg	TM173	20000	32800	2220	<100	<100	22300
Aliphatics >C35-C44	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173	161000	32800	2220	<100	<100	170000
Aromatics >EC5-EC7	<10 µg/kg	TM089	<200	<200	<40	<40	<200	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089	<200	<200	<40	<40	<200	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089	242000	74800	<40	<40	<200	80.2
Aromatics >EC10-EC12	<10 µg/kg	TM089	132000	11200	<40	<40	<200	285
Aromatics >EC12-EC16	<100 µg/kg	TM173	18400	8140	<100	<100	<100	1990
Aromatics >EC16-EC21	<100 µg/kg	TM173	6490	2380	<100	<100	<100	10100
Aromatics >EC21-EC35	<100 µg/kg	TM173	26300	208000	15800	<100	<100	26700
Aromatics >EC35-EC44	<100 µg/kg	TM173	2890	108000	1050	<100	<100	6060
Aromatics >EC40-EC44	<100 µg/kg	TM173	<100	7340	<100	<100	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	54100	326000	16900	<100	<100	44900
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	1440000	806000	19100	<100	<100	216000



SDG: 140718-9
Job: H_ATKINS_LDC-224
Client Reference: Site Wide Trial Pitting

Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0749
Report Number: 289699
Superseded Report: 280305

TPH CWG (S)

Results Legend		Customer Sample Ref.						
#	ISO17025 accredited.		IP 941	IP 941	IP 941	IP 941	IP 1030	IP 1031
M	mCERTS accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	1.00 Soil/Solid 16/07/2014	2.00 Soil/Solid 16/07/2014	3.50 Soil/Solid 16/07/2014	5.00 Soil/Solid 16/07/2014	0.50 Soil/Solid 16/07/2014	0.50 Soil/Solid 16/07/2014
aq	Aqueous / settled sample.		18/07/2014 140718-9 9639643	18/07/2014 140718-9 9639652	18/07/2014 140718-9 9639660	18/07/2014 140718-9 9639668	18/07/2014 140718-9 9639684	18/07/2014 140718-9 9639596
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery							
(F)	Trigger breach confirmed							
1-5&*\$@	Sample deviation (see appendix)							
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	102	84	22	66	73	84
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	<880	<176	<176	<880	<176	<176
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<100	<20	<20	<100	<20	<20
Benzene	<10 µg/kg	TM089	<200	<40	<40	<200	<40	<40
Toluene	<2 µg/kg	TM089	<40	<8	<8	<40	<8	<8
Ethylbenzene	<3 µg/kg	TM089	<60	<12	<12	<60	<12	<12
m,p-Xylene	<6 µg/kg	TM089	<120	<24	<24	<120	<24	<24
o-Xylene	<3 µg/kg	TM089	<60	<12	<12	<60	<12	<12
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089	<200	<40	<40	<200	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089	<200	<40	<40	<200	<40	<40
Aliphatics >C8-C10	<10 µg/kg	TM089	<200	<40	<40	<200	<40	<40
Aliphatics >C10-C12	<10 µg/kg	TM089	<200	<40	<40	<200	<40	<40
Aliphatics >C12-C16	<100 µg/kg	TM173	<100	<100	<100	<100	21800	2750
Aliphatics >C16-C21	<100 µg/kg	TM173	2290	<100	<100	<100	61800	17400
Aliphatics >C21-C35	<100 µg/kg	TM173	170000	<100	<100	<100	150000	39400
Aliphatics >C35-C44	<100 µg/kg	TM173	<100	<100	<100	<100	205000	14500
Total Aliphatics >C12-C44	<100 µg/kg	TM173	172000	<100	<100	<100	439000	74000
Aromatics >EC5-EC7	<10 µg/kg	TM089	<200	<40	<40	<200	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089	<200	<40	<40	<200	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089	<200	<40	<40	<200	<40	<40
Aromatics >EC10-EC12	<10 µg/kg	TM089	<200	<40	<40	<200	<40	<40
Aromatics >EC12-EC16	<100 µg/kg	TM173	<100	<100	<100	937	3780	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173	7580	<100	<100	340	25400	3370
Aromatics >EC21-EC35	<100 µg/kg	TM173	894000	8410	<100	4470	161000	28300
Aromatics >EC35-EC44	<100 µg/kg	TM173	135000	708	<100	1190	68300	13500
Aromatics >EC40-EC44	<100 µg/kg	TM173	43100	<100	<100	283	27000	5490
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	1040000	9120	<100	6940	258000	45100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	1210000	9120	<100	6940	697000	119000



SDG: 140718-9
Job: H_ATKINS_LDC-224
Client Reference: Site Wide Trial Pitting

Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0749
Report Number: 289699
Superseded Report: 280305

TPH CWG (S)

Results Legend		Customer Sample Ref.	IP 1031	IP 1031	IP 1031	IP 1154	IP 1154	TPE1709
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	IP 1031	IP 1031	IP 1031	IP 1154	IP 1154	TPE1709
M	mCERTS accredited.		1.50	2.50	3.50	0.50	1.50	0.50
aq	Aqueous / settled sample.		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
diss.filt	Dissolved / filtered sample.		16/07/2014	16/07/2014	16/07/2014	16/07/2014	16/07/2014	16/07/2014
tot.unfilt	Total / unfiltered sample.		18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014
*	Subcontracted test.		140718-9	140718-9	140718-9	140718-9	140718-9	140718-9
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery		9639605	9639614	9639625	9639692	9639700	9640096
(F)	Trigger breach confirmed							
1-5&*&\$@	Sample deviation (see appendix)							
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	115	81	94	80	85	87
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	201000	<880	<176	<176	109000	9250
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<20	<100	<20	<20	329	<20
Benzene	<10 µg/kg	TM089	<40	<200	<40	<40	<40	<40
Toluene	<2 µg/kg	TM089	<8	<40	<8	<8	<8	<8
Ethylbenzene	<3 µg/kg	TM089	<12	<60	<12	<12	<12	<12
m,p-Xylene	<6 µg/kg	TM089	<24	<120	<24	<24	<24	<24
o-Xylene	<3 µg/kg	TM089	<12	<60	<12	<12	<12	21.4
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	<9	<9	<9	<9	21.4
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089	102	<200	<40	<40	419	<40
Aliphatics >C6-C8	<10 µg/kg	TM089	15800	<200	<40	<40	5180	82.5
Aliphatics >C8-C10	<10 µg/kg	TM089	62200	<200	<40	<40	14900	1430
Aliphatics >C10-C12	<10 µg/kg	TM089	49000	<200	<40	<40	47000	4040
Aliphatics >C12-C16	<100 µg/kg	TM173	155000	<100	<100	2080	108000	<100
Aliphatics >C16-C21	<100 µg/kg	TM173	14000	2780	<100	5870	135000	<100
Aliphatics >C21-C35	<100 µg/kg	TM173	103000	79000	<100	22200	207000	<100
Aliphatics >C35-C44	<100 µg/kg	TM173	25000	<100	<100	<100	52100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173	297000	81800	<100	30100	503000	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089	<40	<200	<40	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089	<40	<200	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089	41500	<200	<40	<40	9950	992
Aromatics >EC10-EC12	<10 µg/kg	TM089	32700	<200	<40	<40	31300	2690
Aromatics >EC12-EC16	<100 µg/kg	TM173	27100	<100	<100	<100	5300	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173	3750	4040	<100	1850	35600	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173	65500	611000	9910	24100	111000	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173	32400	111000	<100	12600	45300	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173	9840	25700	<100	5460	18000	107
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	129000	726000	9910	38500	197000	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	627000	808000	9920	68700	809000	9250



SDG: 140718-9
Job: H_ATKINS_LDC-224
Client Reference: Site Wide Trial Pitting

Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0749
Report Number: 289699
Superseded Report: 280305

TPH CWG (S)

Results Legend		Customer Sample Ref.	TPE1709	TPE1709	TPE1709	TPE1709	TPE1710	TPE1710
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	1.50	2.50	3.50	4.50	0.50	1.50
M	mCERTS accredited.		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.		16/07/2014	16/07/2014	16/07/2014	16/07/2014	16/07/2014	16/07/2014
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery		18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014
(F)	Trigger breach confirmed		140718-9	140718-9	140718-9	140718-9	140718-9	140718-9
1-5&*&\$@	Sample deviation (see appendix)		9640120	9640131	9640144	9640158	9640027	9640040
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	95	94	94	100	83	81
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	2370	2460	2200	2440	354	1260
			M	M	M	M	M	M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	94.4	50.6	56	44.5	<20	<20
			M	M	M	M	M	M
Benzene	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
			M	M	M	M	M	M
Toluene	<2 µg/kg	TM089	<8	<8	<8	<8	<8	<8
			M	M	M	M	M	M
Ethylbenzene	<3 µg/kg	TM089	<12	<12	<12	<12	<12	<12
			M	M	M	M	M	M
m,p-Xylene	<6 µg/kg	TM089	<24	<24	<24	<24	<24	<24
			M	M	M	M	M	M
o-Xylene	<3 µg/kg	TM089	<12	<12	<12	<12	<12	<12
			M	M	M	M	M	M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089	54.4	46.2	42.6	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089	1480	799	793	722	<40	335
Aliphatics >C8-C10	<10 µg/kg	TM089	390	569	519	830	64.4	305
Aliphatics >C10-C12	<10 µg/kg	TM089	52.2	366	263	150	128	224
Aliphatics >C12-C16	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173	<100	<100	<100	<100	6060	<100
Aliphatics >C35-C44	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173	<100	<100	<100	<100	6060	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089	260	380	346	553	46	203
Aromatics >EC10-EC12	<10 µg/kg	TM089	<40	244	176	100	85.1	150
Aromatics >EC12-EC16	<100 µg/kg	TM173	<100	<100	<100	<100	394	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173	<100	<100	<100	<100	1050	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173	1300	<100	<100	1230	15000	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173	147	<100	<100	<100	3480	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173	<100	<100	<100	<100	1380	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	1450	<100	<100	1230	19900	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	3730	2410	2140	3630	26400	1240



SDG: 140718-9
Job: H_ATKINS_LDC-224
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Attention: Jack Lowrie

Order Number: CD0749
Report Number: 289699
Superseded Report: 280305

TPH CWG (S)

Results Legend		Customer Sample Ref.						
#	ISO17025 accredited.		TPE1710		TPE1710		TPE1720	
M	mCERTS accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	2.50		3.50		1.50	
aq	Aqueous / settled sample.		Soil/Solid		Soil/Solid		Soil/Solid	
diss.filt	Dissolved / filtered sample.		16/07/2014		16/07/2014		16/07/2014	
tot.unfilt	Total / unfiltered sample.		18/07/2014		18/07/2014		18/07/2014	
*	Subcontracted test.		140718-9		140718-9		140718-9	
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery		9640053		9640065		9639215	
(F)	Trigger breach confirmed							
1-5&*&\$@	Sample deviation (see appendix)							
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	86		77		75	
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	2510		8620		<176	
			M		M		M	
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	43.7		<20		<20	
			M		M		M	
Benzene	<10 µg/kg	TM089	<40		<40		<40	
			M		M		M	
Toluene	<2 µg/kg	TM089	<8		<8		<8	
			M		M		M	
Ethylbenzene	<3 µg/kg	TM089	<12		<12		<12	
			M		M		M	
m,p-Xylene	<6 µg/kg	TM089	<24		<24		<24	
			M		M		M	
o-Xylene	<3 µg/kg	TM089	<12		<12		<12	
			M		M		M	
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9		<9		<9	
sum of detected BTEX by GC	<24 µg/kg	TM089	<24		<24		<24	
Aliphatics >C5-C6	<10 µg/kg	TM089	49.3		267		<40	
Aliphatics >C6-C8	<10 µg/kg	TM089	505		2190		<40	
Aliphatics >C8-C10	<10 µg/kg	TM089	468		1500		<40	
Aliphatics >C10-C12	<10 µg/kg	TM089	675		2180		<40	
Aliphatics >C12-C16	<100 µg/kg	TM173	<100		<100		<100	
Aliphatics >C16-C21	<100 µg/kg	TM173	<100		<100		<100	
Aliphatics >C21-C35	<100 µg/kg	TM173	<100		<100		<100	
Aliphatics >C35-C44	<100 µg/kg	TM173	<100		<100		<100	
Total Aliphatics >C12-C44	<100 µg/kg	TM173	<100		<100		<100	
Aromatics >EC5-EC7	<10 µg/kg	TM089	<40		<40		<40	
Aromatics >EC7-EC8	<10 µg/kg	TM089	<40		<40		<40	
Aromatics >EC8-EC10	<10 µg/kg	TM089	312		1000		<40	
Aromatics >EC10-EC12	<10 µg/kg	TM089	450		1450		<40	
Aromatics >EC12-EC16	<100 µg/kg	TM173	610		1020		<100	
Aromatics >EC16-EC21	<100 µg/kg	TM173	<100		411		<100	
Aromatics >EC21-EC35	<100 µg/kg	TM173	1930		1120		<100	
Aromatics >EC35-EC44	<100 µg/kg	TM173	<100		<100		<100	
Aromatics >EC40-EC44	<100 µg/kg	TM173	<100		<100		<100	
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	2540		2550		<100	
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	5010		11200		<100	



SDG: 140718-9
Job: H_ATKINS_LDC-224
Client Reference: Site Wide Trial Pitting

Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0749
Report Number: 289699
Superseded Report: 280305

TPH CWG (S)

Results Legend		Customer Sample Ref.						
#	ISO17025 accredited.		TPE1720		TPE1720		TPE1721	
M	mCERTS accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	3.50		4.50		0.50	
aq	Aqueous / settled sample.		Soil/Solid		Soil/Solid		Soil/Solid	
diss.filt	Dissolved / filtered sample.		16/07/2014		16/07/2014		16/07/2014	
tot.unfilt	Total / unfiltered sample.		18/07/2014		18/07/2014		18/07/2014	
*	Subcontracted test.		140718-9		140718-9		140718-9	
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery		9639223		9639228		9639192	
(F)	Trigger breach confirmed							
1-5&*&\$@	Sample deviation (see appendix)							
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	73		99		90	
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	1060		3180		<176	
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<20		224		<20	
Benzene	<10 µg/kg	TM089	<40		<40		<40	
Toluene	<2 µg/kg	TM089	<8		<8		<8	
Ethylbenzene	<3 µg/kg	TM089	<12		<12		<12	
m,p-Xylene	<6 µg/kg	TM089	<24		<24		<24	
o-Xylene	<3 µg/kg	TM089	<12		<12		<12	
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9		<9		<9	
sum of detected BTEX by GC	<24 µg/kg	TM089	<24		<24		<24	
Aliphatics >C5-C6	<10 µg/kg	TM089	119		337		<40	
Aliphatics >C6-C8	<10 µg/kg	TM089	270		595		<40	
Aliphatics >C8-C10	<10 µg/kg	TM089	279		837		237	
Aliphatics >C10-C12	<10 µg/kg	TM089	104		340		<40	
Aliphatics >C12-C16	<100 µg/kg	TM173	<100		<100		<100	
Aliphatics >C16-C21	<100 µg/kg	TM173	<100		<100		<100	
Aliphatics >C21-C35	<100 µg/kg	TM173	<100		<100		1530	
Aliphatics >C35-C44	<100 µg/kg	TM173	<100		<100		<100	
Total Aliphatics >C12-C44	<100 µg/kg	TM173	<100		<100		1530	
Aromatics >EC5-EC7	<10 µg/kg	TM089	<40		<40		<40	
Aromatics >EC7-EC8	<10 µg/kg	TM089	<40		<40		<40	
Aromatics >EC8-EC10	<10 µg/kg	TM089	199		589		<40	
Aromatics >EC10-EC12	<10 µg/kg	TM089	68.9		226		<40	
Aromatics >EC12-EC16	<100 µg/kg	TM173	<100		<100		<100	
Aromatics >EC16-EC21	<100 µg/kg	TM173	<100		<100		<100	
Aromatics >EC21-EC35	<100 µg/kg	TM173	<100		<100		1830	
Aromatics >EC35-EC44	<100 µg/kg	TM173	<100		<100		260	
Aromatics >EC40-EC44	<100 µg/kg	TM173	<100		<100		<100	
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	<100		<100		260	
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	1060		2960		1790	



SDG: 140718-9
Job: H_ATKINS_LDC-224
Client Reference: Site Wide Trial Pitting

Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0749
Report Number: 289699
Superseded Report: 280305

TPH CWG (S)

Results Legend		Customer Sample Ref.	TPE1721	TPE1722	TPE1722	TPE1722	TPE1722	TPE1722
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	TPE1721	TPE1722	TPE1722	TPE1722	TPE1722	TPE1722
M	mCERTS accredited.		4.50	0.50	1.50	2.50	3.50	4.50
aq	Aqueous / settled sample.		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
diss.filt	Dissolved / filtered sample.		16/07/2014	16/07/2014	16/07/2014	16/07/2014	16/07/2014	16/07/2014
tot.unfilt	Total / unfiltered sample.		18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014
*	Subcontracted test.		140718-9	140718-9	140718-9	140718-9	140718-9	140718-9
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery		9639207	9640171	9640179	9640189	9640198	9640206
(F)	Trigger breach confirmed							
1-5&*&\$@	Sample deviation (see appendix)							
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	91	92	95	86	87	97
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	1580	<176	1700	2070	1590	5290
			M	M	M	M	M	M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	53.7	<20	<20	63.3	54.9	<20
			M	M	M	M	M	M
Benzene	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
			M	M	M	M	M	M
Toluene	<2 µg/kg	TM089	<8	<8	<8	<8	<8	<8
			M	M	M	M	M	M
Ethylbenzene	<3 µg/kg	TM089	<12	<12	<12	<12	<12	28.5
			M	M	M	M	M	M
m,p-Xylene	<6 µg/kg	TM089	<24	<24	<24	<24	<24	<24
			M	M	M	M	M	M
o-Xylene	<3 µg/kg	TM089	<12	<12	<12	<12	<12	<12
			M	M	M	M	M	M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	<24	<24	<24	<24	28.5
Aliphatics >C5-C6	<10 µg/kg	TM089	50.4	<40	70.2	59.9	61.6	271
Aliphatics >C6-C8	<10 µg/kg	TM089	416	<40	712	1080	829	1520
Aliphatics >C8-C10	<10 µg/kg	TM089	310	<40	349	372	291	857
Aliphatics >C10-C12	<10 µg/kg	TM089	320	<40	193	147	96.3	1210
Aliphatics >C12-C16	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aliphatics >C35-C44	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089	207	<40	232	248	194	600
Aromatics >EC10-EC12	<10 µg/kg	TM089	214	<40	129	97.7	63.8	806
Aromatics >EC12-EC16	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173	<100	8770	4700	<100	<100	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	<100	8770	4700	<100	<100	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	1530	8770	6400	2010	1530	5290



SDG: 140718-9
Job: H_ATKINS_LDC-224
Client Reference: Site Wide Trial Pitting

Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0749
Report Number: 289699
Superseded Report: 280305

TPH CWG (S)

Results Legend		Customer Sample Ref.	TPE1728	TPE1728	TPE1728	TPE1728	TPE1728	TPE1729
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	0.50	1.50	2.50	3.50	4.50	0.50
M	mCERTS accredited.		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.		16/07/2014	16/07/2014	16/07/2014	16/07/2014	16/07/2014	16/07/2014
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery		18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014
(F)	Trigger breach confirmed		140718-9	140718-9	140718-9	140718-9	140718-9	140718-9
1-5&*&\$@	Sample deviation (see appendix)		9639233	9639241	9639247	9639251	9639255	9639259
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	87	85	120	85	116	85
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	<176	5840	3850	2370	5490	437
			M	M	M	M	M	M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<20	189	61.4	<20	327	<20
			M	M	M	M	M	M
Benzene	<10 µg/kg	TM089	<40	<40	<40	<40	47.4	<40
			M	M	M	M	M	M
Toluene	<2 µg/kg	TM089	<8	<8	<8	<8	<8	<8
			M	M	M	M	M	M
Ethylbenzene	<3 µg/kg	TM089	<12	<12	<12	<12	<12	<12
			M	M	M	M	M	M
m,p-Xylene	<6 µg/kg	TM089	<24	<24	27.4	<24	<24	<24
			M	M	M	M	M	M
o-Xylene	<3 µg/kg	TM089	<12	<12	<12	<12	<12	<12
			M	M	M	M	M	M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	<9	27.4	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	<24	27.4	<24	47.4	<24
Aliphatics >C5-C6	<10 µg/kg	TM089	<40	47.9	108	45.5	77.3	<40
Aliphatics >C6-C8	<10 µg/kg	TM089	<40	3910	1950	1350	3750	229
Aliphatics >C8-C10	<10 µg/kg	TM089	<40	961	906	507	688	80.4
Aliphatics >C10-C12	<10 µg/kg	TM089	<40	47.9	114	75.2	86.6	<40
Aliphatics >C12-C16	<100 µg/kg	TM173	<100	<100	<100	<100	<100	1030
Aliphatics >C16-C21	<100 µg/kg	TM173	789	<100	<100	<100	<100	743
Aliphatics >C21-C35	<100 µg/kg	TM173	2870	<100	<100	<100	<100	1260
Aliphatics >C35-C44	<100 µg/kg	TM173	<100	<100	<100	<100	<100	2140
Total Aliphatics >C12-C44	<100 µg/kg	TM173	3660	<100	<100	<100	<100	5180
Aromatics >EC5-EC7	<10 µg/kg	TM089	<40	<40	<40	<40	47.4	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089	<40	641	631	338	459	54.3
Aromatics >EC10-EC12	<10 µg/kg	TM089	<40	<40	75.7	49.8	57.7	<40
Aromatics >EC12-EC16	<100 µg/kg	TM173	176	<100	<100	<100	1090	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173	715	<100	<100	<100	1380	370
Aromatics >EC21-EC35	<100 µg/kg	TM173	5800	<100	<100	<100	3420	1640
Aromatics >EC35-EC44	<100 µg/kg	TM173	1360	<100	<100	<100	<100	437
Aromatics >EC40-EC44	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	8050	<100	<100	<100	5880	2450
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	11700	5660	3790	2370	11100	8050



SDG: 140718-9
Job: H_ATKINS_LDC-224
Client Reference: Site Wide Trial Pitting

Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0749
Report Number: 289699
Superseded Report: 280305

TPH CWG (S)

Results Legend		Customer Sample Ref.	TPE1729	TPE1738				
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference						
M	mCERTS accredited.		1.50	0.60				
aq	Aqueous / settled sample.		Soil/Solid	Soil/Solid				
diss.filt	Dissolved / filtered sample.		16/07/2014	16/07/2014				
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery		18/07/2014	18/07/2014				
(F)	Trigger breach confirmed		140718-9	140718-9				
1-5&*\$@	Sample deviation (see appendix)		9639264	9639270				
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	84	116				
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	420	3210				
			M	M				
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<20	96.6				
			M	M				
Benzene	<10 µg/kg	TM089	<40	71				
			M	M				
Toluene	<2 µg/kg	TM089	<8	<8				
			M	M				
Ethylbenzene	<3 µg/kg	TM089	<12	<12				
			M	M				
m,p-Xylene	<6 µg/kg	TM089	<24	68.8				
			M	M				
o-Xylene	<3 µg/kg	TM089	<12	<12				
			M	M				
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	68.8				
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	140				
Aliphatics >C5-C6	<10 µg/kg	TM089	<40	56.6				
Aliphatics >C6-C8	<10 µg/kg	TM089	238	981				
Aliphatics >C8-C10	<10 µg/kg	TM089	75.3	448				
Aliphatics >C10-C12	<10 µg/kg	TM089	<40	708				
Aliphatics >C12-C16	<100 µg/kg	TM173	<100	5020				
Aliphatics >C16-C21	<100 µg/kg	TM173	<100	8560				
Aliphatics >C21-C35	<100 µg/kg	TM173	<100	40400				
Aliphatics >C35-C44	<100 µg/kg	TM173	<100	17800				
Total Aliphatics >C12-C44	<100 µg/kg	TM173	<100	71700				
Aromatics >EC5-EC7	<10 µg/kg	TM089	<40	71				
Aromatics >EC7-EC8	<10 µg/kg	TM089	<40	<40				
Aromatics >EC8-EC10	<10 µg/kg	TM089	50.2	375				
Aromatics >EC10-EC12	<10 µg/kg	TM089	<40	472				
Aromatics >EC12-EC16	<100 µg/kg	TM173	<100	448				
Aromatics >EC16-EC21	<100 µg/kg	TM173	<100	1290				
Aromatics >EC21-EC35	<100 µg/kg	TM173	<100	6680				
Aromatics >EC35-EC44	<100 µg/kg	TM173	<100	4370				
Aromatics >EC40-EC44	<100 µg/kg	TM173	<100	1940				
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	<100	12800				
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	335	87600				



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Report Number: 289699
Superseded Report: 280305

Asbestos Identification - Solid Samples

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 6 0.50 SOLID 16/07/2014 00:00:00 140718-9 9639183 TM048	29/7/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 7 0.50 SOLID 16/07/2014 00:00:00 140718-9 9639464 TM048	30/7/14	Simon Postlewhite	Loose fibres in soil.	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 9 0.20 SOLID 16/07/2014 00:00:00 140718-9 9639288 TM048	30/7/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 9 1.00 SOLID 16/07/2014 00:00:00 140718-9 9639292 TM048	30/7/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 16 0.50 SOLID 16/07/2014 00:00:00 140718-9 9639676 TM048	30/7/14	Simon Postlewhite	Loose fibres in soil.	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected



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		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 25 0.50 SOLID 16/07/2014 00:00:00 140718-9 9639237 TM048	30/7/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 28 0.50 SOLID 16/07/2014 00:00:00 140718-9 9639351 TM048	30/7/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 43 0.30 SOLID 16/07/2014 00:00:00 140718-9 9639310 TM048	30/7/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 56 0.50 SOLID 16/07/2014 00:00:00 140718-9 9639333 TM048	30/7/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 553 1.00 SOLID 16/07/2014 00:00:00 140718-9 9639711 TM048	31/7/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 565 0.50 SOLID 16/07/2014 00:00:00 140718-9 9639750 TM048	30/7/14	Kevin Gill	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Detected



CERTIFICATE OF ANALYSIS

Validated

SDG: 140718-9
Job: H_ATKINS_LDC-224
Client Reference: Site Wide Trial Pitting

Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0749
Report Number: 289699
Superseded Report: 280305

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 595 0.50 SOLID 16/07/2014 00:00:00 140718-9 9639779 TM048	31/7/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 596 0.50 SOLID 16/07/2014 00:00:00 140718-9 9639845 TM048	30/7/14	Paul Poynton	Loose fibres in soil.	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 598 1.00 SOLID 16/07/2014 00:00:00 140718-9 9639999 TM048	30/7/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 607 0.50 SOLID 16/07/2014 00:00:00 140718-9 9639924 TM048	30/7/14	Kevin Gill	Loose fibres in soil.	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 608 0.50 SOLID 16/07/2014 00:00:00 140718-9 9639870 TM048	30/7/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 838 0.50 SOLID 16/07/2014 00:00:00 140718-9 9639378 TM048	30/7/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected



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Order Number: CD0749
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Superseded Report: 280305

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 925 0.20 SOLID 16/07/2014 00:00:00 140718-9 9639393 TM048	30/7/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 925 0.50 SOLID 16/07/2014 00:00:00 140718-9 9639402 TM048	30/7/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 926 0.50 SOLID 16/07/2014 00:00:00 140718-9 9639446 TM048	30/7/14	Paul Fenney	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 926 0.70 SOLID 16/07/2014 00:00:00 140718-9 9639457 TM048	30/7/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 940 0.50 SOLID 16/07/2014 00:00:00 140718-9 9639510 TM048	30/7/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 940 0.70 SOLID 16/07/2014 00:00:00 140718-9 9639520 TM048	30/7/14	Paul Poynton	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected



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		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 940 1.00 SOLID 16/07/2014 00:00:00 140718-9 9639533 TM048	30/7/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 941 0.30 SOLID 16/07/2014 00:00:00 140718-9 9639634 TM048	30/7/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 941 1.00 SOLID 16/07/2014 00:00:00 140718-9 9639643 TM048	31/7/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 1030 0.50 SOLID 16/07/2014 00:00:00 140718-9 9639684 TM048	31/7/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 1031 0.50 SOLID 16/07/2014 00:00:00 140718-9 9639596 TM048	30/7/14	Paul Poynton	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 1154 0.50 SOLID 16/07/2014 00:00:00 140718-9 9639692 TM048	30/7/14	Paul Poynton	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected



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		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TPE1709 0.50 SOLID 16/07/2014 00:00:00 140718-9 9640096 TM048	30/7/14	Kevin Gill	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TPE1710 0.50 SOLID 16/07/2014 00:00:00 140718-9 9640027 TM048	30/7/14	Kevin Gill	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TPE1720 0.50 SOLID 16/07/2014 00:00:00 140718-9 9639211 TM048	30/7/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TPE1721 0.50 SOLID 16/07/2014 00:00:00 140718-9 9640214 TM048	30/7/14	Paul Poynton	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TPE1722 0.50 SOLID 16/07/2014 00:00:00 140718-9 9640171 TM048	30/7/14	Paul Poynton	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TPE1728 0.50 SOLID 16/07/2014 00:00:00 140718-9 9639233 TM048	30/7/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected



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		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TPE1729 0.50 SOLID 16/07/2014 00:00:00 140718-9 9639259 TM048	30/7/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected



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Asbestos Quantification - Full

		Additional Asbestos Components (Using TM048)	Analysts Comments	Asbestos Quantification - Gravimetric - %	Asbestos Quantification - PCOM Evaluation - %	Asbestos Quantification - Total - %
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 7 0.50 SOLID 16/07/2014 00:00:00 140718-9 9639464 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 16 0.50 SOLID 16/07/2014 00:00:00 140718-9 9639676 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 596 0.50 SOLID 16/07/2014 00:00:00 140718-9 9639845 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 607 0.50 SOLID 16/07/2014 00:00:00 140718-9 9639924 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 926 0.50 SOLID 16/07/2014 00:00:00 140718-9 9639446 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)



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Table of Results - Appendix

Method No	Reference	Description	Wet/Dry Sample ¹	Surrogate Corrected
ASB_PREP				
PM001		Preparation of Samples for Metals Analysis		
PM024	Modified BS 1377	Soil preparation including homogenisation, moisture screens of soils for Asbestos Containing Material		
TM 304				
TM048	HSG 248, Asbestos: The analysts' guide for sampling, analysis and clearance procedures	Identification of Asbestos in Bulk Material		
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)		
TM132	In - house Method	ELTRA CS800 Operators Guide		
TM133	BS 1377: Part 3 1990;BS 6068-2.5	Determination of pH in Soil and Water using the GLpH pH Meter		
TM173	Analysis of Petroleum Hydrocarbons in Environmental Media – Total Petroleum Hydrocarbon Criteria	Determination of Speciated Extractable Petroleum Hydrocarbons in Soils by GC-FID		
TM181	US EPA Method 6010B	Determination of Routine Metals in Soil by iCap 6500 Duo ICP-OES		
TM218	Microwave extraction – EPA method 3546	Microwave extraction - EPA method 3546		

¹ Applies to Solid samples only. DRY indicates samples have been dried at 35°C. NA = not applicable.



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Test Completion Dates

Lab Sample No(s) Customer Sample Ref. AGS Ref. Depth Type	9639183	9639314	9639367	9639464	9639575	9639288	9639292	9639296	9639302	9639188
	IP 6	IP 6	IP 6	IP 7	IP 7	IP 9	IP 9	IP 9	IP 9	IP 16
	0.50	1.50	2.50	0.50	2.50	0.20	1.00	2.00	3.00	4.50
	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	30-Jul-2014			31-Jul-2014		31-Jul-2014	31-Jul-2014			
Asbestos Quantification - Full				13-Aug-2014						
EPH CWG (Aliphatic) GC (S)	31-Jul-2014	31-Jul-2014	31-Jul-2014	29-Jul-2014	01-Aug-2014	30-Jul-2014	30-Jul-2014	30-Jul-2014	30-Jul-2014	30-Jul-2014
EPH CWG (Aromatic) GC (S)	31-Jul-2014	31-Jul-2014	31-Jul-2014	29-Jul-2014	01-Aug-2014	30-Jul-2014	30-Jul-2014	30-Jul-2014	30-Jul-2014	30-Jul-2014
GRO by GC-FID (S)	30-Jul-2014	30-Jul-2014	30-Jul-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014	30-Jul-2014	30-Jul-2014	31-Jul-2014	30-Jul-2014
Metals in solid samples by OES	28-Jul-2014	28-Jul-2014	28-Jul-2014	22-Jul-2014	25-Jul-2014	28-Jul-2014	25-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014
PAH by GCMS	29-Jul-2014	26-Jul-2014	26-Jul-2014	28-Jul-2014	01-Aug-2014	25-Jul-2014	25-Jul-2014	28-Jul-2014	30-Jul-2014	30-Jul-2014
pH	25-Jul-2014	24-Jul-2014	24-Jul-2014	25-Jul-2014	24-Jul-2014	24-Jul-2014	24-Jul-2014	24-Jul-2014	24-Jul-2014	24-Jul-2014
Sample description	24-Jul-2014	23-Jul-2014	23-Jul-2014	18-Jul-2014	23-Jul-2014	23-Jul-2014	23-Jul-2014	18-Jul-2014	18-Jul-2014	21-Jul-2014
Total Organic Carbon	30-Jul-2014					30-Jul-2014				
TPH CWG GC (S)	31-Jul-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014	01-Aug-2014	31-Jul-2014	30-Jul-2014	30-Jul-2014	31-Jul-2014	30-Jul-2014
Lab Sample No(s) Customer Sample Ref. AGS Ref. Depth Type	9639676	9639805	9639952	9640108	9639237	9639274	9639279	9639284	9639351	9639356
	IP 16	IP 16	IP 16	IP 16	IP 25	IP 25	IP 25	IP 25	IP 28	IP 28
	0.50	1.50	2.50	3.50	0.50	1.50	2.50	3.50	0.50	1.50
	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	31-Jul-2014				31-Jul-2014				31-Jul-2014	
Asbestos Quantification - Full	13-Aug-2014									
EPH CWG (Aliphatic) GC (S)	01-Aug-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014	29-Jul-2014	31-Jul-2014	31-Jul-2014	30-Jul-2014	30-Jul-2014	30-Jul-2014
EPH CWG (Aromatic) GC (S)	01-Aug-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014	29-Jul-2014	31-Jul-2014	31-Jul-2014	30-Jul-2014	30-Jul-2014	30-Jul-2014
GRO by GC-FID (S)	31-Jul-2014	01-Aug-2014	01-Aug-2014	01-Aug-2014	30-Jul-2014	30-Jul-2014	30-Jul-2014	30-Jul-2014	30-Jul-2014	30-Jul-2014
Metals in solid samples by OES	28-Jul-2014	25-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	25-Jul-2014	22-Jul-2014
PAH by GCMS	28-Jul-2014	01-Aug-2014	01-Aug-2014	01-Aug-2014	28-Jul-2014	30-Jul-2014	30-Jul-2014	30-Jul-2014	23-Jul-2014	26-Jul-2014
pH	30-Jul-2014	24-Jul-2014	23-Jul-2014	24-Jul-2014	28-Jul-2014	24-Jul-2014	24-Jul-2014	24-Jul-2014	25-Jul-2014	24-Jul-2014
Sample description	24-Jul-2014	23-Jul-2014	21-Jul-2014	21-Jul-2014	18-Jul-2014	18-Jul-2014	18-Jul-2014	21-Jul-2014	21-Jul-2014	19-Jul-2014
Total Organic Carbon		30-Jul-2014			22-Jul-2014				30-Jul-2014	
TPH CWG GC (S)	01-Aug-2014	01-Aug-2014	01-Aug-2014	01-Aug-2014	30-Jul-2014	31-Jul-2014	31-Jul-2014	30-Jul-2014	30-Jul-2014	30-Jul-2014
Lab Sample No(s) Customer Sample Ref. AGS Ref. Depth Type	9639361	9639310	9639318	9639322	9639328	9639333	9639337	9639341	9639347	9639711
	IP 41	IP 43	IP 43	IP 43	IP 43	IP 56	IP 56	IP 56	IP 56	IP 553
	2.50	0.30	1.50	2.50	3.50	0.50	1.50	2.50	3.50	1.00
	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples		31-Jul-2014				31-Jul-2014				31-Jul-2014
EPH CWG (Aliphatic) GC (S)	30-Jul-2014	30-Jul-2014	29-Jul-2014	30-Jul-2014	29-Jul-2014	31-Jul-2014	30-Jul-2014	29-Jul-2014	30-Jul-2014	01-Aug-2014
EPH CWG (Aromatic) GC (S)	30-Jul-2014	30-Jul-2014	29-Jul-2014	30-Jul-2014	29-Jul-2014	31-Jul-2014	30-Jul-2014	29-Jul-2014	30-Jul-2014	01-Aug-2014
GRO by GC-FID (S)	30-Jul-2014	31-Jul-2014	30-Jul-2014	30-Jul-2014	30-Jul-2014	31-Jul-2014	30-Jul-2014	30-Jul-2014	30-Jul-2014	31-Jul-2014
Metals in solid samples by OES	22-Jul-2014	25-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	28-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	28-Jul-2014
PAH by GCMS	26-Jul-2014	25-Jul-2014	26-Jul-2014	29-Jul-2014	30-Jul-2014	29-Jul-2014	30-Jul-2014	30-Jul-2014	30-Jul-2014	29-Jul-2014
pH	24-Jul-2014	28-Jul-2014	24-Jul-2014	24-Jul-2014	24-Jul-2014	29-Jul-2014	24-Jul-2014	23-Jul-2014	23-Jul-2014	30-Jul-2014
Sample description	19-Jul-2014	23-Jul-2014	18-Jul-2014	18-Jul-2014	18-Jul-2014	24-Jul-2014	18-Jul-2014	18-Jul-2014	18-Jul-2014	24-Jul-2014
Total Organic Carbon		30-Jul-2014				30-Jul-2014				
TPH CWG GC (S)	30-Jul-2014	31-Jul-2014	30-Jul-2014	30-Jul-2014	30-Jul-2014	31-Jul-2014	30-Jul-2014	30-Jul-2014	30-Jul-2014	01-Aug-2014
Lab Sample No(s) Customer Sample Ref. AGS Ref. Depth Type	9639724	9639736	9639750	9639765	9639779	9639791	9639820	9639832	9639845	9639857
	IP 553	IP 553	IP 565	IP 565	IP 595	IP 595	IP 595	IP 595	IP 596	IP 596
	2.00	4.00	0.50	1.50	0.50	1.50	2.50	4.50	0.50	1.50
	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples			31-Jul-2014		31-Jul-2014				31-Jul-2014	
Asbestos Quantification - Full									13-Aug-2014	
EPH CWG (Aliphatic) GC (S)	31-Jul-2014	31-Jul-2014	01-Aug-2014	31-Jul-2014	01-Aug-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014	01-Aug-2014	01-Aug-2014
EPH CWG (Aromatic) GC (S)	31-Jul-2014	31-Jul-2014	01-Aug-2014	31-Jul-2014	01-Aug-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014	01-Aug-2014	01-Aug-2014
GRO by GC-FID (S)	31-Jul-2014	31-Jul-2014	01-Aug-2014	01-Aug-2014	01-Aug-2014	01-Aug-2014	31-Jul-2014	01-Aug-2014	01-Aug-2014	01-Aug-2014
Metals in solid samples by OES	28-Jul-2014	28-Jul-2014	30-Jul-2014	28-Jul-2014	29-Jul-2014	28-Jul-2014	28-Jul-2014	28-Jul-2014	30-Jul-2014	22-Jul-2014
PAH by GCMS	01-Aug-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014
pH	24-Jul-2014	24-Jul-2014	30-Jul-2014	24-Jul-2014	30-Jul-2014	24-Jul-2014	24-Jul-2014	24-Jul-2014	30-Jul-2014	23-Jul-2014
Sample description	23-Jul-2014	23-Jul-2014	25-Jul-2014	23-Jul-2014	25-Jul-2014	23-Jul-2014	23-Jul-2014	23-Jul-2014	28-Jul-2014	18-Jul-2014
Total Organic Carbon					30-Jul-2014					24-Jul-2014
TPH CWG GC (S)	31-Jul-2014	31-Jul-2014	01-Aug-2014	01-Aug-2014	01-Aug-2014	01-Aug-2014	31-Jul-2014	01-Aug-2014	01-Aug-2014	01-Aug-2014



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Job: H_ATKINS_LDC-224
Client Reference: Site Wide Trial Pitting

Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0749
Report Number: 289699
Superseded Report: 280305

Lab Sample No(s) Customer Sample Ref. AGS Ref. Depth Type	9639999	9640012	9639924	9639939	9639969	9639984	9639870	9639882	9639896	9639911
	IP 598	IP 598	IP 607	IP 607	IP 607	IP 607	IP 608	IP 608	IP 608	IP 608
	1.00	2.00	0.50	1.50	2.50	4.00	0.50	1.50	3.00	5.00
	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	31-Jul-2014		31-Jul-2014				04-Aug-2014			
Asbestos Quantification - Full			13-Aug-2014							
EPH CWG (Aliphatic) GC (S)	01-Aug-2014	01-Aug-2014	29-Jul-2014	31-Jul-2014	01-Aug-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014
EPH CWG (Aromatic) GC (S)	01-Aug-2014	01-Aug-2014	29-Jul-2014	31-Jul-2014	01-Aug-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014
GRO by GC-FID (S)	31-Jul-2014	31-Jul-2014	31-Jul-2014	01-Aug-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014	30-Jul-2014	31-Jul-2014	31-Jul-2014
Metals in solid samples by OES	29-Jul-2014	29-Jul-2014	22-Jul-2014	23-Jul-2014	22-Jul-2014	28-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014
PAH by GCMS	30-Jul-2014	30-Jul-2014	23-Jul-2014	31-Jul-2014	01-Aug-2014	01-Aug-2014	25-Jul-2014	31-Jul-2014	31-Jul-2014	01-Aug-2014
pH	29-Jul-2014	29-Jul-2014	30-Jul-2014	24-Jul-2014	24-Jul-2014	24-Jul-2014	30-Jul-2014	24-Jul-2014	23-Jul-2014	24-Jul-2014
Sample description	28-Jul-2014	23-Jul-2014	18-Jul-2014		18-Jul-2014	23-Jul-2014	18-Jul-2014	18-Jul-2014	18-Jul-2014	18-Jul-2014
Total Organic Carbon				30-Jul-2014						
TPH CWG GC (S)	01-Aug-2014	01-Aug-2014	31-Jul-2014	01-Aug-2014	01-Aug-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014
Lab Sample No(s) Customer Sample Ref. AGS Ref. Depth Type	9639378	9639386	9639393	9639402	9639411	9639420	9639428	9639438	9639446	9639457
	IP 838	IP 838	IP 925	IP 925	IP 925	IP 925	IP 925	IP 925	IP 926	IP 926
	0.50	1.20	0.20	0.50	1.50	2.50	3.50	4.50	0.50	0.70
	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	31-Jul-2014		31-Jul-2014	31-Jul-2014					31-Jul-2014	31-Jul-2014
Asbestos Quantification - Full									13-Aug-2014	
EPH CWG (Aliphatic) GC (S)	30-Jul-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014	30-Jul-2014	31-Jul-2014	30-Jul-2014	30-Jul-2014	31-Jul-2014	30-Jul-2014
EPH CWG (Aromatic) GC (S)	30-Jul-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014	30-Jul-2014	31-Jul-2014	30-Jul-2014	30-Jul-2014	31-Jul-2014	30-Jul-2014
GRO by GC-FID (S)	28-Jul-2014	31-Jul-2014	30-Jul-2014	29-Jul-2014	31-Jul-2014	28-Jul-2014	30-Jul-2014	31-Jul-2014	28-Jul-2014	28-Jul-2014
Metals in solid samples by OES	22-Jul-2014	28-Jul-2014	29-Jul-2014	29-Jul-2014	25-Jul-2014	28-Jul-2014	25-Jul-2014	28-Jul-2014	28-Jul-2014	28-Jul-2014
PAH by GCMS	23-Jul-2014	31-Jul-2014	28-Jul-2014	28-Jul-2014	30-Jul-2014	30-Jul-2014	30-Jul-2014	31-Jul-2014	28-Jul-2014	28-Jul-2014
pH	28-Jul-2014	24-Jul-2014	25-Jul-2014	25-Jul-2014	24-Jul-2014	24-Jul-2014	24-Jul-2014	25-Jul-2014	30-Jul-2014	25-Jul-2014
Sample description	18-Jul-2014	23-Jul-2014	24-Jul-2014	24-Jul-2014	23-Jul-2014	23-Jul-2014	23-Jul-2014	23-Jul-2014	24-Jul-2014	24-Jul-2014
Total Organic Carbon	22-Jul-2014			28-Jul-2014					30-Jul-2014	
TPH CWG GC (S)	30-Jul-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014	30-Jul-2014	31-Jul-2014	31-Jul-2014	30-Jul-2014
Lab Sample No(s) Customer Sample Ref. AGS Ref. Depth Type	9639473	9639481	9639493	9639501	9639510	9639520	9639533	9639543	9639554	9639564
	IP 926	IP 926	IP 926	IP 926	IP 940	IP 940	IP 940	IP 940	IP 940	IP 940
	1.50	2.50	3.80	5.00	0.50	0.70	1.00	1.40	3.00	4.50
	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples					31-Jul-2014	31-Jul-2014	31-Jul-2014			
EPH CWG (Aliphatic) GC (S)	31-Jul-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014	01-Aug-2014	01-Aug-2014	01-Aug-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014
EPH CWG (Aromatic) GC (S)	31-Jul-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014	01-Aug-2014	01-Aug-2014	01-Aug-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014
GRO by GC-FID (S)	31-Jul-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014	01-Aug-2014	01-Aug-2014	31-Jul-2014	01-Aug-2014
Metals in solid samples by OES	25-Jul-2014	28-Jul-2014	25-Jul-2014	28-Jul-2014	28-Jul-2014	29-Jul-2014	29-Jul-2014	22-Jul-2014	22-Jul-2014	23-Jul-2014
PAH by GCMS	01-Aug-2014	01-Aug-2014	01-Aug-2014	01-Aug-2014	28-Jul-2014	30-Jul-2014	30-Jul-2014	31-Jul-2014	30-Jul-2014	01-Aug-2014
pH	24-Jul-2014	24-Jul-2014	24-Jul-2014	24-Jul-2014	30-Jul-2014	29-Jul-2014	30-Jul-2014	24-Jul-2014	24-Jul-2014	24-Jul-2014
Sample description	23-Jul-2014	23-Jul-2014	23-Jul-2014	23-Jul-2014	24-Jul-2014	26-Jul-2014	28-Jul-2014	18-Jul-2014	18-Jul-2014	18-Jul-2014
Total Organic Carbon						30-Jul-2014				
TPH CWG GC (S)	31-Jul-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014	01-Aug-2014	01-Aug-2014	01-Aug-2014	01-Aug-2014	31-Jul-2014	01-Aug-2014
Lab Sample No(s) Customer Sample Ref. AGS Ref. Depth Type	9639586	9639634	9639643	9639652	9639660	9639668	9639684	9639596	9639605	9639614
	IP 940	IP 941	IP 941	IP 941	IP 941	IP 941	IP 1030	IP 1031	IP 1031	IP 1031
	6.00	0.30	1.00	2.00	3.50	5.00	0.50	0.50	1.50	2.50
	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples		31-Jul-2014	31-Jul-2014				31-Jul-2014	31-Jul-2014		
EPH CWG (Aliphatic) GC (S)	31-Jul-2014	01-Aug-2014	01-Aug-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014	01-Aug-2014	01-Aug-2014	31-Jul-2014	01-Aug-2014
EPH CWG (Aromatic) GC (S)	31-Jul-2014	01-Aug-2014	01-Aug-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014	01-Aug-2014	01-Aug-2014	31-Jul-2014	01-Aug-2014
GRO by GC-FID (S)	01-Aug-2014	31-Jul-2014	01-Aug-2014	31-Jul-2014	01-Aug-2014	01-Aug-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014	01-Aug-2014
Metals in solid samples by OES	22-Jul-2014	28-Jul-2014	30-Jul-2014	25-Jul-2014	28-Jul-2014	28-Jul-2014	30-Jul-2014	25-Jul-2014	22-Jul-2014	29-Jul-2014
PAH by GCMS	01-Aug-2014	29-Jul-2014	31-Jul-2014	31-Jul-2014	01-Aug-2014	01-Aug-2014	30-Jul-2014	28-Jul-2014	01-Aug-2014	01-Aug-2014
pH	24-Jul-2014	30-Jul-2014	30-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	29-Jul-2014	30-Jul-2014	24-Jul-2014	28-Jul-2014
Sample description	18-Jul-2014	24-Jul-2014	28-Jul-2014	23-Jul-2014	23-Jul-2014	23-Jul-2014	28-Jul-2014	23-Jul-2014	18-Jul-2014	24-Jul-2014
Total Organic Carbon			30-Jul-2014					30-Jul-2014		
TPH CWG GC (S)	01-Aug-2014	01-Aug-2014	01-Aug-2014	31-Jul-2014	01-Aug-2014	01-Aug-2014	01-Aug-2014	01-Aug-2014	31-Jul-2014	01-Aug-2014



SDG: 140718-9
Job: H_ATKINS_LDC-224
Client Reference: Site Wide Trial Pitting

Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0749
Report Number: 289699
Superseded Report: 280305

Lab Sample No(s) Customer Sample Ref. AGS Ref. Depth Type	9639625	9639692	9639700	9640096	9640120	9640131	9640144	9640158	9640027	9640040
	IP 1031	IP 1154	IP 1154	TPE1709	TPE1709	TPE1709	TPE1709	TPE1709	TPE1710	TPE1710
	3.50	0.50	1.50	0.50	1.50	2.50	3.50	4.50	0.50	1.50
	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples		31-Jul-2014		31-Jul-2014					31-Jul-2014	
EPH CWG (Aliphatic) GC (S)	31-Jul-2014	01-Aug-2014	31-Jul-2014	01-Aug-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014	01-Aug-2014	01-Aug-2014
EPH CWG (Aromatic) GC (S)	31-Jul-2014	01-Aug-2014	31-Jul-2014	01-Aug-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014	01-Aug-2014	01-Aug-2014
GRO by GC-FID (S)	27-Jul-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014
Metals in solid samples by OES	22-Jul-2014	30-Jul-2014	25-Jul-2014	29-Jul-2014	28-Jul-2014	28-Jul-2014	25-Jul-2014	25-Jul-2014	31-Jul-2014	28-Jul-2014
PAH by GCMS	01-Aug-2014	30-Jul-2014	30-Jul-2014	31-Jul-2014	30-Jul-2014	30-Jul-2014	30-Jul-2014	30-Jul-2014	31-Jul-2014	31-Jul-2014
pH	24-Jul-2014	30-Jul-2014	24-Jul-2014	29-Jul-2014	25-Jul-2014	24-Jul-2014	24-Jul-2014	24-Jul-2014	30-Jul-2014	24-Jul-2014
Sample description	18-Jul-2014	28-Jul-2014	23-Jul-2014	28-Jul-2014	23-Jul-2014	23-Jul-2014	23-Jul-2014	23-Jul-2014	28-Jul-2014	23-Jul-2014
Total Organic Carbon		28-Jul-2014						30-Jul-2014		30-Jul-2014
TPH CWG GC (S)	31-Jul-2014	01-Aug-2014	31-Jul-2014	01-Aug-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014	01-Aug-2014	01-Aug-2014
Lab Sample No(s) Customer Sample Ref. AGS Ref. Depth Type	9640053	9640065	9640083	9639211	9639215	9639219	9639223	9639228	9639192	9639198
	TPE1710	TPE1710	TPE1710	TPE1720	TPE1720	TPE1720	TPE1720	TPE1720	TPE1721	TPE1721
	2.50	3.50	4.50	0.50	1.50	2.50	3.50	4.50	1.50	2.50
	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples				31-Jul-2014						
EPH CWG (Aliphatic) GC (S)	31-Jul-2014	31-Jul-2014	31-Jul-2014	29-Jul-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014	30-Jul-2014	30-Jul-2014	31-Jul-2014
EPH CWG (Aromatic) GC (S)	31-Jul-2014	31-Jul-2014	31-Jul-2014	29-Jul-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014	30-Jul-2014	30-Jul-2014	31-Jul-2014
GRO by GC-FID (S)	31-Jul-2014	31-Jul-2014	31-Jul-2014	30-Jul-2014	30-Jul-2014	30-Jul-2014	29-Jul-2014	30-Jul-2014	28-Jul-2014	30-Jul-2014
Metals in solid samples by OES	25-Jul-2014	25-Jul-2014	30-Jul-2014	22-Jul-2014	28-Jul-2014	25-Jul-2014	25-Jul-2014	22-Jul-2014	24-Jul-2014	25-Jul-2014
PAH by GCMS	31-Jul-2014	30-Jul-2014	31-Jul-2014	23-Jul-2014	30-Jul-2014	30-Jul-2014	30-Jul-2014	30-Jul-2014	26-Jul-2014	31-Jul-2014
pH	25-Jul-2014	24-Jul-2014	24-Jul-2014	28-Jul-2014	24-Jul-2014	24-Jul-2014	24-Jul-2014	24-Jul-2014	23-Jul-2014	24-Jul-2014
Sample description	23-Jul-2014	23-Jul-2014	23-Jul-2014	18-Jul-2014	23-Jul-2014	23-Jul-2014	23-Jul-2014	18-Jul-2014	22-Jul-2014	23-Jul-2014
Total Organic Carbon					30-Jul-2014					
TPH CWG GC (S)	31-Jul-2014	31-Jul-2014	31-Jul-2014	30-Jul-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014	30-Jul-2014	30-Jul-2014	31-Jul-2014
Lab Sample No(s) Customer Sample Ref. AGS Ref. Depth Type	9639203	9639207	9640214	9640171	9640179	9640189	9640198	9640206	9639233	9639241
	TPE1721	TPE1721	TPE1721	TPE1722	TPE1722	TPE1722	TPE1722	TPE1722	TPE1728	TPE1728
	3.50	4.50	0.50	0.50	1.50	2.50	3.50	4.50	0.50	1.50
	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples			31-Jul-2014	31-Jul-2014					31-Jul-2014	
EPH CWG (Aliphatic) GC (S)	31-Jul-2014	31-Jul-2014	31-Jul-2014	01-Aug-2014	01-Aug-2014	01-Aug-2014	31-Jul-2014	31-Jul-2014	29-Jul-2014	30-Jul-2014
EPH CWG (Aromatic) GC (S)	31-Jul-2014	31-Jul-2014	31-Jul-2014	01-Aug-2014	01-Aug-2014	01-Aug-2014	31-Jul-2014	31-Jul-2014	29-Jul-2014	30-Jul-2014
GRO by GC-FID (S)	29-Jul-2014	29-Jul-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014	31-Jul-2014	29-Jul-2014	29-Jul-2014
Metals in solid samples by OES	25-Jul-2014	25-Jul-2014	29-Jul-2014	30-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	22-Jul-2014	22-Jul-2014
PAH by GCMS	29-Jul-2014	29-Jul-2014	31-Jul-2014	30-Jul-2014	28-Jul-2014	31-Jul-2014	31-Jul-2014	30-Jul-2014	28-Jul-2014	30-Jul-2014
pH	24-Jul-2014	24-Jul-2014	30-Jul-2014	30-Jul-2014	24-Jul-2014	24-Jul-2014	24-Jul-2014	24-Jul-2014	21-Jul-2014	24-Jul-2014
Sample description	23-Jul-2014	23-Jul-2014	25-Jul-2014	28-Jul-2014	23-Jul-2014	23-Jul-2014	23-Jul-2014	23-Jul-2014	18-Jul-2014	18-Jul-2014
Total Organic Carbon			30-Jul-2014						22-Jul-2014	
TPH CWG GC (S)	31-Jul-2014	31-Jul-2014	31-Jul-2014	01-Aug-2014	01-Aug-2014	01-Aug-2014	31-Jul-2014	31-Jul-2014	29-Jul-2014	30-Jul-2014
Lab Sample No(s) Customer Sample Ref. AGS Ref. Depth Type	9639247	9639251	9639255	9639259	9639264	9639270				
	TPE1728	TPE1728	TPE1728	TPE1729	TPE1729	TPE1738				
	2.50	3.50	4.50	0.50	1.50	0.60				
	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID				
Asbestos ID in Solid Samples				31-Jul-2014						
EPH CWG (Aliphatic) GC (S)	29-Jul-2014	30-Jul-2014	30-Jul-2014	29-Jul-2014	29-Jul-2014	29-Jul-2014				
EPH CWG (Aromatic) GC (S)	29-Jul-2014	30-Jul-2014	30-Jul-2014	29-Jul-2014	29-Jul-2014	29-Jul-2014				
GRO by GC-FID (S)	30-Jul-2014	29-Jul-2014	29-Jul-2014	29-Jul-2014	30-Jul-2014	29-Jul-2014				
Metals in solid samples by OES	23-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	23-Jul-2014	23-Jul-2014				
PAH by GCMS	31-Jul-2014	29-Jul-2014	30-Jul-2014	28-Jul-2014	31-Jul-2014	31-Jul-2014				
pH	24-Jul-2014	23-Jul-2014	24-Jul-2014	25-Jul-2014	24-Jul-2014	24-Jul-2014				
Sample description	18-Jul-2014	18-Jul-2014	18-Jul-2014	18-Jul-2014	18-Jul-2014	18-Jul-2014				
Total Organic Carbon				22-Jul-2014						
TPH CWG GC (S)	30-Jul-2014	30-Jul-2014	30-Jul-2014	29-Jul-2014	30-Jul-2014	29-Jul-2014				



SDG: 140718-9
Job: H_ATKINS_LDC-224
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Report Number: 289699
Superseded Report: 280305

Appendix General

1. Results are expressed on a dry weight basis (dried at 35°C) for all soil analyses except for the following: NRA and CEN Leach tests, flash point LOI, pH, ammonium as NH₄ by the BRE method, VOC TICS and SVOC TICS.

2. Samples will be run in duplicate upon request, but an additional charge may be incurred

3. If sufficient sample is received a sub sample will be retained free of charge for 30 days after analysis is completed (e-mailed) for all sample types unless the sample is destroyed on testing. The prepared soil sub sample that is analysed for asbestos will be retained for a period of 6 months after the analysis date. All bulk samples will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALcontrol Laboratories reserve the right to charge for samples received and stored but not analysed.

4. With respect to turnaround, we will always endeavour to meet client requirements wherever possible, but turnaround times cannot be absolutely guaranteed due to so many variables beyond our control.

5. We take responsibility for any test performed by sub-contractors (marked with an asterisk). We endeavour to use UKAS/MCERTS Accredited Laboratories, who either complete a quality questionnaire or are audited by ourselves. For some determinands there are no UKAS/MCERTS Accredited Laboratories, in this instance a laboratory with a known track record will be utilised.

6. When requested, the individual sub sample scheduled will be analysed in house for the presence of asbestos fibres and asbestos containing material by our documented in house method TM048 based on HSG 248 (2005), which is accredited to ISO17025. If a specific asbestos fibre type is not found this will be reported as "Not detected". If no asbestos fibre types are found all will be reported as "Not detected" and the sub sample analysed deemed to be clear of asbestos. If an asbestos fibre type is found it will be reported as detected (for each fibre type found). Testing can be carried out on asbestos positive samples, but, due to Health and Safety considerations, may be replaced by alternative tests or reported as No Determination Possible. The quantity of asbestos present is not determined unless specifically requested.

7. If no separate volatile sample is supplied by the client, or if a headspace or sediment is present in the volatile sample, the integrity of the data may be compromised. This will be flagged up as an invalid VOC on the test schedule and the result marked as deviating on the test certificate.

8. If appropriate preserved bottles are not received preservation will take place on receipt. However, the integrity of the data may be compromised.

9. NDP -No determination possible due to insufficient/unsuitable sample.

10. Metals in water are performed on a filtered sample, and therefore represent dissolved metals -total metals must be requested separately.

11. Results relate only to the items tested.

12. LODs for wet tests reported on a dry weight basis are not corrected for moisture content.

13. **Surrogate recoveries** -Most of our organic methods include surrogates, the recovery of which is monitored and reported. For EPH, MO, PAH, GRO and VOCs on soils the result is not surrogate corrected, but a percentage recovery is quoted. Acceptable limits for most organic methods are 70 -130 %.

14. **Product analyses** -Organic analyses on products can only be semi-quantitative due to the matrix effects and high dilution factors employed.

15. Phenols monohydric by HPLC include phenol, cresols (2-Methylphenol, 3-Methylphenol and 4-Methylphenol) and Xylenols (2,3 Dimethylphenol, 2,4 Dimethylphenol, 2,5 Dimethylphenol, 2,6 Dimethylphenol, 3,4 Dimethylphenol, 3,5 Dimethylphenol).

16. Total of 5 speciated phenols by HPLC includes Phenol, 2,3,5-Trimethyl Phenol, 2-Isopropylphenol, Cresols and Xylenols (as detailed in 15).

17. Stones/debris are not routinely removed. We always endeavour to take a representative sub sample from the received sample.

18. In certain circumstances the method detection limit may be elevated due to the sample being outside the calibration range. Other factors that may contribute to this include possible interferences. In both cases the sample would be diluted which would cause the method detection limit to be raised.

19. Mercury results quoted on soils will not include volatile mercury as the analysis is performed on a dried and crushed sample.

20. For the BSEN 12457-3 two batch process to allow the cumulative release to be calculated, the volume of the leachate produced is measured and filtered for all tests. We therefore cannot carry out any unfiltered analysis. The tests affected include volatiles GCFID/GCMS and all subcontracted analysis.

21. For all leachate preparations (NRA, DIN, TCLP, BSEN 12457-1, 2, 3) volatile loss may occur, as we do not employ zero headspace extraction.

22. We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample. Other coarse granular material such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

23. Analysis and identification of specific compounds using GCFID is by retention time only, and we routinely calibrate and quantify for benzene, toluene, ethylbenzenes and xylenes (BTEX). For total volatiles in the C5 -C12 range, the total area of the chromatogram is integrated and expressed as ug/kg or ug/l. Although this analysis is commonly used for the quantification of gasoline range organics (GRO), the system will also detect other compounds such as chlorinated solvents, and this may lead to a falsely high result with respect to hydrocarbons only. It is not possible to specifically identify these non-hydrocarbons, as standards are not routinely run for any other compounds, and for more definitive identification, volatiles by GCMS should be utilised.

Sample Deviations

1	Container with Headspace provided for volatiles analysis
2	Incorrect container received
3	Deviation from method
4	Holding time exceeded before sample received
5	Samples exceeded holding time before preservation was performed
\$	Sampled on date not provided
♦	Sample holding time exceeded in laboratory
@	Sample holding time exceeded due to sampled on date
&	Sample Holding Time exceeded - Late arrival of instructions.

Asbestos

Identification of Asbestos in Bulk Materials & Soils

The results for identification of asbestos in bulk materials are obtained from supplied bulk materials which have been examined to determine the presence of asbestos fibres using Alcontrol Laboratories (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

The results for identification of asbestos in soils are obtained from a homogenised sub sample which has been examined to determine the presence of asbestos fibres using Alcontrol Laboratories (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

Asbestos Type	Common Name
Chrysotile	White Asbestos
Amosite	Brown Asbestos
Crocidolite	Blue Asbestos
Fibrous Actinolite	-
Fibrous Anthophyllite	-
Fibrous Tremolite	-

Visual Estimation Of Fibre Content

Estimation of fibre content is not permitted as part of our UKAS accredited test other than: - Trace - Where only one or two asbestos fibres were identified.

Further guidance on typical asbestos fibre content of manufactured products can be found in HSG 264.

The identification of asbestos containing materials and soils falls within our schedule of tests for which we hold UKAS accreditation, however opinions, interpretations and all other information contained in the report are outside the scope of UKAS accreditation.



Atkins Global Ltd
Project Jonah site office
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Attention: Jack Lowrie

CERTIFICATE OF ANALYSIS

Date: 28 October 2014
Customer: H_ATKINS_LDC
Sample Delivery Group (SDG): 140715-57
Your Reference: CD0747
Location:
Report No: 289664

This report has been revised and directly supersedes 279310 in its entirety.

We received 156 samples on Tuesday July 15, 2014 and 156 of these samples were scheduled for analysis which was completed on Tuesday August 05, 2014. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

Should this report require incorporation into client reports, it must be used in its entirety and not simply with the data sections alone.

All chemical testing (unless subcontracted) is performed at ALcontrol Hawarden Laboratories.

Approved By:

Sonia McWhan

Operations Manager





SDG: 140715-57
Job: H_ATKINS_LDC-241
Client Reference: CD0747

Location:
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0747
Report Number: 289664
Superseded Report: 279310

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
9621680	IP 36		0.50	14/07/2014
9621676	IP 36		1.50	14/07/2014
9621668	IP 37		0.50	14/07/2014
9621672	IP 37		1.50	14/07/2014
9621650	IP 117		0.50	14/07/2014
9621660	IP 117		1.50	14/07/2014
9621664	IP 117		2.50	14/07/2014
9621749	IP 319		0.50	11/07/2014
9621803	IP 319		1.50	11/07/2014
9621277	IP 320		0.50	11/07/2014
9621655	IP 320		1.50	11/07/2014
9621701	IP 320		2.50	11/07/2014
9621436	IP 348		0.50	11/07/2014
9621488	IP 348		1.50	11/07/2014
9621519	IP 348		2.50	11/07/2014
9621523	IP 357		0.50	11/07/2014
9621528	IP 357		1.50	11/07/2014
9621533	IP 357		2.50	11/07/2014
9621845	IP 358		0.50	11/07/2014
9621852	IP 358		1.50	11/07/2014
9621901	IP 367		0.50	11/07/2014
9621538	IP 369		0.50	11/07/2014
9621542	IP 369		1.50	11/07/2014
9621553	IP 369		2.50	11/07/2014
9621558	IP 369		3.50	11/07/2014
9621562	IP 369		4.50	11/07/2014
9621568	IP 370		0.50	11/07/2014
9621572	IP 370		1.50	11/07/2014
9621577	IP 370		2.50	11/07/2014
9621581	IP 370		3.50	11/07/2014
9621585	IP 370		4.50	11/07/2014
9621950	IP 381		0.50	11/07/2014
9621282	IP 394		0.10	11/07/2014
9621589	IP 395		0.50	11/07/2014
9621593	IP 395		1.50	11/07/2014
9621602	IP 395		2.50	11/07/2014
9621333	IP 418		1.00	11/07/2014
9621606	IP 419		0.50	11/07/2014
9621611	IP 419		1.50	11/07/2014
9621616	IP 419		2.20	11/07/2014
9621384	IP 420		0.50	11/07/2014
9621624	IP 441		0.50	14/07/2014
9621628	IP 441		1.50	14/07/2014
9621633	IP 441		2.50	14/07/2014
9621637	IP 441		3.50	14/07/2014
9621642	IP 441		4.50	14/07/2014
9621620	IP 446		0.50	11/07/2014
9621547	IP 458		0.50	14/07/2014
9621597	IP 458		1.50	14/07/2014
9621646	IP 458		2.50	14/07/2014
9621684	IP 486		0.20	11/07/2014
9621688	IP 486		0.70	11/07/2014
9621692	IP 487		1.00	11/07/2014
9621697	IP 487		3.00	11/07/2014
9621841	IP 493		4.40	14/07/2014
9621741	IP 504		1.00	11/07/2014



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9621745	IP 505	0.50	11/07/2014
9621753	IP 505	1.00	11/07/2014
9621758	IP 505	1.50	11/07/2014
9621763	IP 505	3.50	11/07/2014
9621713	IP 506	0.50	11/07/2014
9621705	IP 517	0.90	11/07/2014
9621709	IP 517	1.70	11/07/2014
9621717	IP 518	0.50	11/07/2014
9621770	IP 519	1.00	11/07/2014
9621775	IP 520	0.30	14/07/2014
9621779	IP 520	1.00	14/07/2014
9621783	IP 520	2.00	14/07/2014
9621787	IP 520	3.00	14/07/2014
9621922	IP 526	0.50	11/07/2014
9621936	IP 530	0.50	14/07/2014
9621942	IP 530	2.50	14/07/2014
9621946	IP 530	4.50	14/07/2014
9621910	IP 532	0.50	11/07/2014
9621913	IP 532	1.50	11/07/2014
9621793	IP 534	0.50	14/07/2014
9621798	IP 534	1.00	14/07/2014
9621721	IP 536	0.50	11/07/2014
9621725	IP 536	1.50	11/07/2014
9621730	IP 550	0.50	11/07/2014
9621735	IP 550	1.50	11/07/2014
9621807	IP 552	0.20	14/07/2014
9621811	IP 552	0.50	14/07/2014
9621816	IP 552	1.00	14/07/2014
9621926	IP 555	0.50	11/07/2014
9621932	IP 555	4.50	11/07/2014
9621906	IP 556	0.50	11/07/2014
9621887	IP 557	0.50	11/07/2014
9621891	IP 557	1.50	11/07/2014
9621896	IP 563	0.50	11/07/2014
9621917	IP 564	1.00	11/07/2014
9621822	IP 593	0.50	14/07/2014
9621828	IP 593	1.00	14/07/2014
9621832	IP 593	1.50	14/07/2014
9621836	IP 593	2.00	14/07/2014
9621864	IP 604	0.50	11/07/2014
9621868	IP 604	2.50	11/07/2014
9621874	IP 604	3.50	11/07/2014
9621879	IP 604	5.00	11/07/2014
9621883	IP 604	6.00	11/07/2014
9621849	IP 605	0.50	11/07/2014
9621856	IP 606	0.50	11/07/2014
9621860	IP 606	3.00	11/07/2014
9621307	TP 978	0.50	11/07/2014
9621312	TP 978	1.50	11/07/2014
9621316	TP 978	2.50	11/07/2014
9621320	TPE817	0.50	11/07/2014
9621324	TPE817	1.50	11/07/2014
9621328	TPE817	2.50	11/07/2014
9621337	TPE817	3.50	11/07/2014
9621343	TPE870	0.50	11/07/2014
9621347	TPE870	1.50	11/07/2014
9621351	TPE870	2.50	11/07/2014
9621293	TPE960	0.50	11/07/2014
9621298	TPE960	1.50	11/07/2014



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9621302	TPE960	2.50	11/07/2014
9621972	TPE961	0.50	11/07/2014
9621980	TPE961	1.50	11/07/2014
9621984	TPE961	2.50	11/07/2014
9621287	TPE961	3.50	11/07/2014
9621956	TPE969	0.50	11/07/2014
9621960	TPE969	1.50	11/07/2014
9621964	TPE969	2.50	11/07/2014
9621968	TPE969	3.50	11/07/2014
9621356	TPE1057	0.50	11/07/2014
9621360	TPE1057	1.50	11/07/2014
9621365	TPE1057	2.50	11/07/2014
9621369	TPE1057	3.50	11/07/2014
9621376	TPE1057	4.50	11/07/2014
9621420	TPE1135	0.50	14/07/2014
9621425	TPE1135	1.50	14/07/2014
9621402	TPE1136	0.50	11/07/2014
9621406	TPE1136	1.20	11/07/2014
9621380	TPE1137	0.50	11/07/2014
9621388	TPE1137	1.50	11/07/2014
9621394	TPE1137	2.50	11/07/2014
9621398	TPE1137	3.50	11/07/2014
9621460	TPE1138	0.50	14/07/2014
9621465	TPE1138	1.50	14/07/2014
9621470	TPE1138	2.50	14/07/2014
9621475	TPE1138	3.50	14/07/2014
9621479	TPE1138	4.50	14/07/2014
9621431	TPE1143	0.50	14/07/2014
9621441	TPE1143	1.50	14/07/2014
9621446	TPE1143	2.50	14/07/2014
9621450	TPE1143	3.50	14/07/2014
9621455	TPE1143	4.50	14/07/2014
9621412	TPE1144	0.50	11/07/2014
9621416	TPE1144	2.00	11/07/2014
9621483	TPE1145	0.50	14/07/2014
9621492	TPE1145	1.70	14/07/2014
9621497	TPE1146	0.50	14/07/2014
9621506	TPE1217	0.50	14/07/2014
9621502	TPE1218	0.50	14/07/2014
9621515	TPE1228	0.50	14/07/2014
9621510	TPE1229	0.50	14/07/2014

Only received samples which have had analysis scheduled will be shown on the following pages.



SDG: 140715-57
Job: H_ATKINS_LDC-241
Client Reference: CD0747

Location:
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0747
Report Number: 289664
Superseded Report: 279310

SOLID Results Legend X Test N No Determination Possible	Lab Sample No(s)		Customer Sample Reference		AGS Reference		Depth (m)		Container	
	9621488	IP 348					1.50		250g Amber Jar	
	9621436	IP 348					0.50		60g VOC (ALE215) 400g Tub (ALE214)	
	9621701	IP 320					2.50		250g Amber Jar	
	9621655	IP 320					1.50		60g VOC (ALE215) 400g Tub (ALE214)	
	9621277	IP 320					0.50		250g Amber Jar	
	9621803	IP 319					1.50		60g VOC (ALE215) 400g Tub (ALE214)	
	9621749	IP 319					0.50		250g Amber Jar	
	9621664	IP 117					2.50		60g VOC (ALE215) 400g Tub (ALE214)	
	9621660	IP 117					1.50		250g Amber Jar	
	9621650	IP 117					0.50		60g VOC (ALE215) 400g Tub (ALE214)	
	9621672	IP 37					1.50		250g Amber Jar	
	9621668	IP 37					0.50		60g VOC (ALE215) 400g Tub (ALE214)	
	9621676	IP 36					1.50		250g Amber Jar	
	9621680	IP 36					0.50		60g VOC (ALE215) 400g Tub (ALE214)	
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 71								
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 155								
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 155								
GRO by GC-FID (S)	All	NDPs: 0 Tests: 156								
Metals in solid samples by OES	All	NDPs: 0 Tests: 156								
PAH by GCMS	All	NDPs: 0 Tests: 156								
pH	All	NDPs: 0 Tests: 156								
Sample description	All	NDPs: 0 Tests: 152								
Total Organic Carbon	All	NDPs: 0 Tests: 29								
TPH CWG GC (S)	All	NDPs: 0 Tests: 156								



SDG: 140715-57
Job: H_ATKINS_LDC-241
Client Reference: CD0747

Location:
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0747
Report Number: 289664
Superseded Report: 279310

SOLID Results Legend  Test  No Determination Possible	Lab Sample No(s)		Customer Sample Reference		AGS Reference		Depth (m)		Container	
	9621568	IP 370					0.50		400g Tub (ALE214)	
	9621562	IP 369					4.50		60g VOC (ALE215)	
	9621558	IP 369					3.50		400g Tub (ALE214)	
	9621553	IP 369					2.50		60g VOC (ALE215)	
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 71							250g Amber Jar	
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 155							400g Tub (ALE214)	
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 155							250g Amber Jar	
GRO by GC-FID (S)	All	NDPs: 0 Tests: 156							400g Tub (ALE214)	
Metals in solid samples by OES	All	NDPs: 0 Tests: 156							60g VOC (ALE215)	
PAH by GCMS	All	NDPs: 0 Tests: 156							250g Amber Jar	
pH	All	NDPs: 0 Tests: 156							400g Tub (ALE214)	
Sample description	All	NDPs: 0 Tests: 152							60g VOC (ALE215)	
Total Organic Carbon	All	NDPs: 0 Tests: 29							250g Amber Jar	
TPH CWG GC (S)	All	NDPs: 0 Tests: 156							400g Tub (ALE214)	



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Attention: Jack Lowrie

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SOLID Results Legend X Test N No Determination Possible	Lab Sample No(s)		Customer Sample Reference		AGS Reference		Depth (m)		Container	
	9621568		IP 370				0.50		60g VOC (ALE215)	
	9621572		IP 370				1.50		400g Tub (ALE214)	
	9621577		IP 370				2.50		250g Amber Jar	
	9621581		IP 370				3.50		60g VOC (ALE215)	
	9621585		IP 370				4.50		400g Tub (ALE214)	
	9621950		IP 381				0.50		60g VOC (ALE215)	
	9621282		IP 394				0.10		250g Amber Jar	
	9621589		IP 395				0.50		60g VOC (ALE215)	
	9621593		IP 395				1.50		400g Tub (ALE214)	
	9621602		IP 395				2.50		250g Amber Jar	
	9621333		IP 418				1.00		60g VOC (ALE215)	
	9621606		IP 419				0.50		400g Tub (ALE214)	
	9621611		IP 419				1.50		250g Amber Jar	
	9621616		IP 419				2.20		60g VOC (ALE215)	
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 71								
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 155								
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 155								
GRO by GC-FID (S)	All	NDPs: 0 Tests: 156								
Metals in solid samples by OES	All	NDPs: 0 Tests: 156								
PAH by GCMS	All	NDPs: 0 Tests: 156								
pH	All	NDPs: 0 Tests: 156								
Sample description	All	NDPs: 0 Tests: 152								
Total Organic Carbon	All	NDPs: 0 Tests: 29								
TPH CWG GC (S)	All	NDPs: 0 Tests: 156								

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SOLID Results Legend  Test  No Determination Possible	Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
	9621779	IP 520		1.00	60g VOC (ALE215) 400g Tub (ALE214)
	9621775	IP 520		0.30	250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)
	9621770	IP 519		1.00	250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)
	9621717	IP 518		0.50	250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)
	9621709	IP 517		1.70	250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)
	9621705	IP 517		0.90	250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)
	9621713	IP 506		0.50	250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)
	9621763	IP 505		3.50	250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)
	9621758	IP 505		1.50	250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)
	9621753	IP 505		1.00	250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)
	9621745	IP 505		0.50	250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)
	9621741	IP 504		1.00	250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)
	9621841	IP 493		4.40	250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)
	9621697	IP 487		3.00	250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 71			
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 155			
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 155			
GRO by GC-FID (S)	All	NDPs: 0 Tests: 156			
Metals in solid samples by OES	All	NDPs: 0 Tests: 156			
PAH by GCMS	All	NDPs: 0 Tests: 156			
pH	All	NDPs: 0 Tests: 156			
Sample description	All	NDPs: 0 Tests: 152			
Total Organic Carbon	All	NDPs: 0 Tests: 29			
TPH CWG GC (S)	All	NDPs: 0 Tests: 156			



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SOLID Results Legend X Test N No Determination Possible	Lab Sample No(s)		Customer Sample Reference		AGS Reference		Depth (m)		Container	
	9621735		IP 550				1.50		400g Tub (ALE214)	
	9621730		IP 550				0.50		60g VOC (ALE215)	
	9621725		IP 536				1.50		400g Tub (ALE214)	
	9621721		IP 536				0.50		60g VOC (ALE215)	
Asbestos ID in Solid Samples	9621798		IP 534				1.00		250g Amber Jar	
	9621793		IP 534				0.50		60g VOC (ALE215)	
	9621913		IP 532				1.50		400g Tub (ALE214)	
	9621910		IP 532				0.50		60g VOC (ALE215)	
	9621946		IP 530				4.50		400g Tub (ALE214)	
	9621942		IP 530				2.50		250g Amber Jar	
	9621936		IP 530				0.50		60g VOC (ALE215)	
	9621922		IP 526				0.50		400g Tub (ALE214)	
	9621787		IP 520				3.00		250g Amber Jar	
	9621783		IP 520				2.00		60g VOC (ALE215)	
EPH CWG (Aliphatic) GC (S)									250g Amber Jar	
									60g VOC (ALE215)	
									400g Tub (ALE214)	
									250g Amber Jar	
									60g VOC (ALE215)	
									400g Tub (ALE214)	
									250g Amber Jar	
									60g VOC (ALE215)	
									400g Tub (ALE214)	
									250g Amber Jar	
EPH CWG (Aromatic) GC (S)									60g VOC (ALE215)	
									400g Tub (ALE214)	
									250g Amber Jar	
									60g VOC (ALE215)	
									400g Tub (ALE214)	
									250g Amber Jar	
									60g VOC (ALE215)	
									400g Tub (ALE214)	
									250g Amber Jar	
									60g VOC (ALE215)	
GRO by GC-FID (S)									400g Tub (ALE214)	
									250g Amber Jar	
									60g VOC (ALE215)	
									400g Tub (ALE214)	
									250g Amber Jar	
									60g VOC (ALE215)	
									400g Tub (ALE214)	
									250g Amber Jar	
									60g VOC (ALE215)	
									400g Tub (ALE214)	
Metals in solid samples by OES									250g Amber Jar	
									60g VOC (ALE215)	
									400g Tub (ALE214)	
									250g Amber Jar	
									60g VOC (ALE215)	
									400g Tub (ALE214)	
									250g Amber Jar	
									60g VOC (ALE215)	
									400g Tub (ALE214)	
									250g Amber Jar	
PAH by GCMS									60g VOC (ALE215)	
									400g Tub (ALE214)	
									250g Amber Jar	
									60g VOC (ALE215)	
									400g Tub (ALE214)	
									250g Amber Jar	
									60g VOC (ALE215)	
									400g Tub (ALE214)	
									250g Amber Jar	
									60g VOC (ALE215)	
pH									400g Tub (ALE214)	
									250g Amber Jar	
									60g VOC (ALE215)	
									400g Tub (ALE214)	
									250g Amber Jar	
									60g VOC (ALE215)	
									400g Tub (ALE214)	
									250g Amber Jar	
									60g VOC (ALE215)	
									400g Tub (ALE214)	
Sample description									250g Amber Jar	
									60g VOC (ALE215)	
									400g Tub (ALE214)	
									250g Amber Jar	
									60g VOC (ALE215)	
									400g Tub (ALE214)	
									250g Amber Jar	
									60g VOC (ALE215)	
									400g Tub (ALE214)	
									250g Amber Jar	
TPH CWG GC (S)									60g VOC (ALE215)	
									400g Tub (ALE214)	
									250g Amber Jar	
									60g VOC (ALE215)	
									400g Tub (ALE214)	
									250g Amber Jar	
									60g VOC (ALE215)	
									400g Tub (ALE214)	
									250g Amber Jar	
									60g VOC (ALE215)	



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SOLID Results Legend X Test N No Determination Possible	Lab Sample No(s)		Customer Sample Reference		AGS Reference		Depth (m)		Container	
	9621832		IP 593				1.50		60g VOC (ALE215)	
	9621828		IP 593				1.00		400g Tub (ALE214)	
	9621822		IP 593				0.50		250g Amber Jar	
	9621817		IP 564				1.00		60g VOC (ALE215)	
Asbestos ID in Solid Samples	9621896		IP 563				0.50		400g Tub (ALE214)	
	9621891		IP 557				1.50		250g Amber Jar	
	9621887		IP 557				0.50		60g VOC (ALE215)	
	9621906		IP 556				0.50		400g Tub (ALE214)	
	9621932		IP 555				4.50		250g Amber Jar	
	9621926		IP 555				0.50		60g VOC (ALE215)	
	9621816		IP 552				1.00		400g Tub (ALE214)	
	9621811		IP 552				0.50		250g Amber Jar	
	9621807		IP 552				0.20		60g VOC (ALE215)	
	9621735		IP 550				1.50		400g Tub (ALE214)	
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 155							250g Amber Jar	
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 155							60g VOC (ALE215)	
GRO by GC-FID (S)	All	NDPs: 0 Tests: 156							400g Tub (ALE214)	
Metals in solid samples by OES	All	NDPs: 0 Tests: 156							250g Amber Jar	
PAH by GCMS	All	NDPs: 0 Tests: 156							60g VOC (ALE215)	
pH	All	NDPs: 0 Tests: 156							400g Tub (ALE214)	
Sample description	All	NDPs: 0 Tests: 152							250g Amber Jar	
Total Organic Carbon	All	NDPs: 0 Tests: 29							60g VOC (ALE215)	
TPH CWG GC (S)	All	NDPs: 0 Tests: 156							400g Tub (ALE214)	



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SOLID Results Legend X Test N No Determination Possible	Lab Sample No(s)		Customer Sample Reference		AGS Reference		Depth (m)		Container	
	9621324		TP E817				1.50		400g Tub (AL E214) 250g Amber Jar	
	9621320		TP E817				0.50		60g VOC (AL E215) 400g Tub (AL E214) 250g Amber Jar	
	9621316		TP 978				2.50		60g VOC (AL E215) 400g Tub (AL E214) 250g Amber Jar	
	9621312		TP 978				1.50		60g VOC (AL E215) 400g Tub (AL E214) 250g Amber Jar	
	9621307		TP 978				0.50		250g Amber Jar 60g VOC (AL E215) 400g Tub (AL E214) 250g Amber Jar	
	9621860		IP 606				3.00		60g VOC (AL E215) 400g Tub (AL E214) 250g Amber Jar	
	9621856		IP 606				0.50		60g VOC (AL E215) 400g Tub (AL E214) 250g Amber Jar	
	9621849		IP 605				0.50		60g VOC (AL E215) 400g Tub (AL E214) 250g Amber Jar	
	9621863		IP 604				6.00		60g VOC (AL E215) 400g Tub (AL E214) 250g Amber Jar	
	9621879		IP 604				5.00		60g VOC (AL E215) 400g Tub (AL E214) 250g Amber Jar	
	9621874		IP 604				3.50		60g VOC (AL E215) 400g Tub (AL E214) 250g Amber Jar	
	9621868		IP 604				2.50		60g VOC (AL E215) 400g Tub (AL E214) 250g Amber Jar	
	9621864		IP 604				0.50		60g VOC (AL E215) 400g Tub (AL E214) 250g Amber Jar	
	9621836		IP 593				2.00		60g VOC (AL E215) 400g Tub (AL E214) 250g Amber Jar	
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 71								
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 155								
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 155								
GRO by GC-FID (S)	All	NDPs: 0 Tests: 156								
Metals in solid samples by OES	All	NDPs: 0 Tests: 156								
PAH by GCMS	All	NDPs: 0 Tests: 156								
pH	All	NDPs: 0 Tests: 156								
Sample description	All	NDPs: 0 Tests: 152								
Total Organic Carbon	All	NDPs: 0 Tests: 29								
TPH CWG GC (S)	All	NDPs: 0 Tests: 156								



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SOLID**Results Legend**

Test



No Determination Possible

	Lab Sample No(s)		Customer Sample Reference		AGS Reference		Depth (m)		Container	
	9621324		TP817				1.50		60g VOC (ALE215)	
	9621328		TP817				2.50		400g Tub (ALE214)	
	9621337		TP817				3.50		250g Amber Jar	
	9621343		TP870				0.50		60g VOC (ALE215)	
	9621347		TP870				1.50		400g Tub (ALE214)	
	9621351		TP870				2.50		60g VOC (ALE215)	
	9621293		TP860				0.50		250g Amber Jar	
	9621298		TP860				1.50		400g Tub (ALE214)	
	9621302		TP860				2.50		60g VOC (ALE215)	
	9621972		TP861				0.50		400g Tub (ALE214)	
	9621980		TP861				1.50		250g Amber Jar	
	9621984		TP861				2.50		60g VOC (ALE215)	
	9621956		TP869				0.50		400g Tub (ALE214)	
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 71								
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 155								
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 155								
GRO by GC-FID (S)	All	NDPs: 0 Tests: 156								
Metals in solid samples by OES	All	NDPs: 0 Tests: 156								
PAH by GCMS	All	NDPs: 0 Tests: 156								
pH	All	NDPs: 0 Tests: 156								
Sample description	All	NDPs: 0 Tests: 152								
Total Organic Carbon	All	NDPs: 0 Tests: 29								
TPH CWG GC (S)	All	NDPs: 0 Tests: 156								

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SOLID Results Legend X Test N No Determination Possible	Lab Sample No(s)		Customer Sample Reference		AGS Reference		Depth (m)		Container	
	9621412	TPE1144					0.50		400g Tub (ALE214)	
	9621455	TPE1143					4.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9621450	TPE1143					3.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9621446	TPE1143					2.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9621441	TPE1143					1.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9621431	TPE1143					0.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9621479	TPE1138					4.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9621475	TPE1138					3.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9621470	TPE1138					2.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9621465	TPE1138					1.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9621460	TPE1138					0.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9621398	TPE1137					3.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9621394	TPE1137					2.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9621388	TPE1137					1.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 71								
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 155								
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 155								
GRO by GC-FID (S)	All	NDPs: 0 Tests: 156								
Metals in solid samples by OES	All	NDPs: 0 Tests: 156								
PAH by GCMS	All	NDPs: 0 Tests: 156								
pH	All	NDPs: 0 Tests: 156								
Sample description	All	NDPs: 0 Tests: 152								
Total Organic Carbon	All	NDPs: 0 Tests: 29								
TPH CWG GC (S)	All	NDPs: 0 Tests: 156								



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SOLID Results Legend X Test N No Determination Possible	Lab Sample No(s)		Customer Sample Reference		AGS Reference		Depth (m)		Container	
	9621412		TPE1144				0.50		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
	9621416		TPE1144				2.00		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
	9621483		TPE1145				0.50		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
	9621492		TPE1145				1.70		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
Asbestos ID in Solid Samples	9621497		TPE1146				0.50		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
	9621506		TPE1217				0.50		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
EPH CWG (Aliphatic) GC (S)	9621502		TPE1218				0.50		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
	9621515		TPE1228				0.50		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
EPH CWG (Aromatic) GC (S)	9621510		TPE1229				0.50		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
GRO by GC-FID (S)										
Metals in solid samples by OES										
PAH by GCMS										
pH										
Sample description										
Total Organic Carbon										
TPH CWG GC (S)										



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Sample Descriptions

Grain Sizes

very fine <0.063mm fine 0.063mm - 0.1mm medium 0.1mm - 2mm coarse 2mm - 10mm very coarse >10mm

Lab Sample No(s)	Customer Sample Ref.	Depth (m)	Colour	Description	Grain size	Inclusions	Inclusions 2
9621676	IP 36	1.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9621680	IP 36	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9621668	IP 37	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9621672	IP 37	1.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9621650	IP 117	0.50	Dark Brown	Sand	0.1 - 2 mm	Vegetation	Stones
9621660	IP 117	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9621664	IP 117	2.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9621749	IP 319	0.50	Dark Brown	Sand	0.1 - 2 mm	Stones	Vegetation
9621803	IP 319	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9621277	IP 320	0.50	Dark Brown	Sand	0.1 - 2 mm	Stones	Vegetation
9621655	IP 320	1.50	Dark Brown	Sand	0.1 - 2 mm	Stones	Oil/Petroleum
9621701	IP 320	2.50	Dark Brown	Stone/Soil	2 - 10 mm	Stones	None
9621436	IP 348	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
9621488	IP 348	1.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9621519	IP 348	2.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9621523	IP 357	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Brick
9621528	IP 357	1.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Vegetation	Stones
9621533	IP 357	2.50	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	None
9621845	IP 358	0.50	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Vegetation	Stones
9621852	IP 358	1.50	Dark Brown	Sand	0.1 - 2 mm	Stones	None
9621901	IP 367	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9621538	IP 369	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
9621542	IP 369	1.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9621553	IP 369	2.50	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	None
9621558	IP 369	3.50	Grey	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9621562	IP 369	4.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9621568	IP 370	0.50	Light Brown	Clay Loam	0.063 - 0.1 mm	Stones	Vegetation
9621572	IP 370	1.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Vegetation	Stones
9621577	IP 370	2.50	Dark Brown	Loamy Sand	0.063 - 0.1 mm	Stones	None
9621581	IP 370	3.50	Dark Brown	Loamy Sand	0.063 - 0.1 mm	Stones	None
9621585	IP 370	4.50	Dark Brown	Loamy Sand	0.063 - 0.1 mm	Stones	Vegetation
9621950	IP 381	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Vegetation	Stones
9621282	IP 394	0.10	Dark Brown	Sandy Loam	0.1 - 2 mm	Vegetation	Stones
9621589	IP 395	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9621593	IP 395	1.50	Dark Brown	Loamy Sand	0.063 - 0.1 mm	Vegetation	Stones
9621602	IP 395	2.50	Dark Brown	Loamy Sand	0.063 - 0.1 mm	Vegetation	Stones
9621333	IP 418	1.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Vegetation	Stones
9621606	IP 419	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None



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			Colour	Description	Grain size	Inclusions	Inclusions 2
9621611	IP 419	1.50	Dark Brown	Loamy Sand	0.063 - 0.1 mm	Stones	None
9621616	IP 419	2.20	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9621384	IP 420	0.50	Dark Brown	Sand	0.1 - 2 mm	Stones	Vegetation
9621624	IP 441	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9621628	IP 441	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9621633	IP 441	2.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9621637	IP 441	3.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9621642	IP 441	4.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Vegetation	Stones
9621620	IP 446	0.50	Light Brown	Clay Loam	0.063 - 0.1 mm	Stones	Vegetation
9621547	IP 458	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9621597	IP 458	1.50	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	None
9621646	IP 458	2.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9621684	IP 486	0.20	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Vegetation	Stones
9621688	IP 486	0.70	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	Vegetation
9621692	IP 487	1.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9621697	IP 487	3.00	Dark Brown	Silty Sand	0.063 - 0.1 mm	Stones	N/A
9621841	IP 493	4.40	Dark Brown	Loamy Sand	0.063 - 0.1 mm	None	None
9621741	IP 504	1.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Vegetation	Stones
9621745	IP 505	0.50	Light Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9621753	IP 505	1.00	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	Vegetation
9621758	IP 505	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Oil/Petroleum
9621763	IP 505	3.50	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	None
9621713	IP 506	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9621705	IP 517	0.90	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Vegetation	Stones
9621709	IP 517	1.70	Dark Brown	Loamy Sand	0.063 - 0.1 mm	Vegetation	Stones
9621717	IP 518	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9621770	IP 519	1.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9621775	IP 520	0.30	Dark Brown	Silt Loam	0.063 - 0.1 mm	Vegetation	Stones
9621779	IP 520	1.00	Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones	None
9621783	IP 520	2.00	Dark Brown	Sandy Silt Loam	0.063 - 0.1 mm	Oil/Petroleum	Stones
9621787	IP 520	3.00	Dark Brown	Stone/Soil	2 - 10 mm	Stones	Oil/Petroleum
9621922	IP 526	0.50	Dark Brown	Silt Loam	0.063 - 0.1 mm	Stones	Vegetation
9621936	IP 530	0.50	Dark Brown	Silt Loam	0.063 - 0.1 mm	Stones	Vegetation
9621942	IP 530	2.50	Dark Brown	Stone/Soil	2 - 10 mm	Stones	None
9621946	IP 530	4.50	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	Vegetation
9621910	IP 532	0.50	Black	Sandy Clay	0.1 - 2 mm	Vegetation	Stones
9621913	IP 532	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9621793	IP 534	0.50	Dark Brown	Silt Loam	0.063 - 0.1 mm	Vegetation	Stones
9621798	IP 534	1.00	Light Brown	Sandy Clay	0.1 - 2 mm	None	None
9621721	IP 536	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9621725	IP 536	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Vegetation	Stones



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			Colour	Description	Grain size	Inclusions	Inclusions 2
9621730	IP 550	0.50	Dark Brown	Sandy Clay	0.1 - 2 mm	Vegetation	Stones
9621735	IP 550	1.50	Grey	Stone/Soil	2 - 10 mm	Oil/Petroleum	Stones
9621807	IP 552	0.20	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	Vegetation
9621811	IP 552	0.50	Dark Brown	Silt Loam	0.063 - 0.1 mm	Vegetation	Stones
9621816	IP 552	1.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9621926	IP 555	0.50	Dark Brown	Silt Loam	0.063 - 0.1 mm	Stones	Vegetation
9621932	IP 555	4.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9621906	IP 556	0.50	Dark Brown	Silt Loam	0.063 - 0.1 mm	Vegetation	None
9621887	IP 557	0.50	Dark Brown	Silt Loam	0.063 - 0.1 mm	Stones	Vegetation
9621891	IP 557	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Vegetation	Stones
9621896	IP 563	0.50	Dark Brown	Silt Loam	0.063 - 0.1 mm	Stones	Vegetation
9621917	IP 564	1.00	Dark Brown	Silt Loam	0.063 - 0.1 mm	Stones	Vegetation
9621822	IP 593	0.50	Dark Brown	Silt Loam	0.063 - 0.1 mm	Vegetation	Stones
9621828	IP 593	1.00	Dark Brown	Silt Loam	0.063 - 0.1 mm	Vegetation	None
9621832	IP 593	1.50	Dark Brown	Silty Clay	0.063 - 0.1 mm	None	None
9621836	IP 593	2.00	Dark Brown	Stone/Soil	0.1 - 2 mm	Stones	None
9621864	IP 604	0.50	Dark Brown	Gravel	> 10 mm	Stones	Oil/Petroleum
9621868	IP 604	2.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9621874	IP 604	3.50	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	None
9621879	IP 604	5.00	Black	Silt Loam	0.063 - 0.1 mm	Vegetation	None
9621883	IP 604	6.00	Grey	Sandy Loam	0.1 - 2 mm	None	None
9621849	IP 605	0.50	Black	Sandy Loam	0.1 - 2 mm	Vegetation	None
9621856	IP 606	0.50	Dark Brown	Gravel	> 10 mm	Stones	Vegetation
9621860	IP 606	3.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9621307	TP 978	0.50	Dark Brown	Sand	0.1 - 2 mm	Stones	Vegetation
9621312	TP 978	1.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9621316	TP 978	2.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
9621320	TPE817	0.50	Dark Brown	Sandy Silt Loam	0.063 - 0.1 mm	Stones	Vegetation
9621324	TPE817	1.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	None	None
9621328	TPE817	2.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9621337	TPE817	3.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9621343	TPE870	0.50	Dark Brown	Silt Loam	0.063 - 0.1 mm	Stones	None
9621347	TPE870	1.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9621351	TPE870	2.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9621293	TPE960	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
9621298	TPE960	1.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9621302	TPE960	2.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9621287	TPE961	3.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9621972	TPE961	0.50	Light Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9621980	TPE961	1.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Oil/Petroleum
9621984	TPE961	2.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Oil/Petroleum



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9621956	TPE969	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9621960	TPE969	1.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9621964	TPE969	2.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9621968	TPE969	3.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9621356	TPE1057	0.50	Dark Brown	Silt Loam	0.063 - 0.1 mm	Stones	Vegetation
9621360	TPE1057	1.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9621365	TPE1057	2.50	Dark Brown	Loamy Sand	0.063 - 0.1 mm	Stones	None
9621369	TPE1057	3.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9621376	TPE1057	4.50	Dark Brown	Clay Loam	0.063 - 0.1 mm	Stones	None
9621420	TPE1135	0.50	Dark Brown	Sand	0.1 - 2 mm	Stones	Vegetation
9621425	TPE1135	1.50	Dark Brown	Sand	0.1 - 2 mm	Stones	Vegetation
9621402	TPE1136	0.50	Dark Brown	Silt Loam	0.063 - 0.1 mm	Stones	Vegetation
9621406	TPE1136	1.20	Dark Brown	Clay	0.063 - 0.1 mm	None	None
9621380	TPE1137	0.50	Dark Brown	Sandy Silt Loam	0.063 - 0.1 mm	Stones	Vegetation
9621388	TPE1137	1.50	Dark Brown	Loamy Sand	0.063 - 0.1 mm	Stones	None
9621394	TPE1137	2.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9621398	TPE1137	3.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9621460	TPE1138	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9621465	TPE1138	1.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Oil/Petroleum	None
9621470	TPE1138	2.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Oil/Petroleum
9621475	TPE1138	3.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Oil/Petroleum
9621479	TPE1138	4.50	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	None
9621431	TPE1143	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9621441	TPE1143	1.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Oil/Petroleum	Stones
9621446	TPE1143	2.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Oil/Petroleum
9621450	TPE1143	3.50	Grey	Clay	0.063 - 0.1 mm	Oil/Petroleum	None
9621455	TPE1143	4.50	Dark Brown	Clay	0.063 - 0.1 mm	Stones	None
9621412	TPE1144	0.50	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Vegetation	Stones
9621416	TPE1144	2.00	Dark Brown	Clay Loam	0.063 - 0.1 mm	Stones	None
9621483	TPE1145	0.50	Light Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9621492	TPE1145	1.70	Dark Brown	Sand	0.1 - 2 mm	Stones	Vegetation
9621497	TPE1146	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
9621506	TPE1217	0.50	Dark Brown	Sand	0.1 - 2 mm	Stones	None
9621502	TPE1218	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
9621515	TPE1228	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
9621510	TPE1229	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None



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Client Reference: CD0747

Location:
Customer: Atkins Global Ltd
Attention: Jack Lowrie

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These descriptions are only intended to act as a cross check if sample identities are questioned, and to provide a log of sample matrices with respect to MCERTS validation. They are not intended as full geological descriptions.

We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample.

Other coarse granular materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

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[illegible]

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PAH by GCMS

#	M	aq	diss.filt	tot.unfilt
Results Legend ISO17025 accredited. mCERTS accredited. Aqueous / filtered sample. Dissolved / filtered sample. Total / unfiltered sample.				
% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery				
(F)	Trigger breach confirmed			
1-58*\$@	Sample deviation (see appendix)			
Customer Sample Ref.				
Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference				
IP 117				
IP 319				
IP 319				
IP 320				
IP 320				
IP 320				
Component				
LOD/Units				
Method				
Naphthalene-d8 % recovery**	%	TM218	99.8	95.6
Acenaphthene-d10 % recovery**	%	TM218	105	94.2
Phenanthrene-d10 % recovery**	%	TM218	108	92
Chrysene-d12 % recovery**	%	TM218	102	85.6
Perylene-d12 % recovery**	%	TM218	105	84.3
Naphthalene	<9 µg/kg	TM218	238	<9
Acenaphthylene	<12 µg/kg	TM218	<12	<12
Acenaphthene	<8 µg/kg	TM218	387	<8
Fluorene	<10 µg/kg	TM218	2170	<10
Phenanthrene	<15 µg/kg	TM218	2910	31.3
Anthracene	<16 µg/kg	TM218	611	<16
Fluoranthene	<17 µg/kg	TM218	197	<17
Pyrene	<15 µg/kg	TM218	322	<15
Benz(a)anthracene	<14 µg/kg	TM218	88.1	<14
Chrysene	<10 µg/kg	TM218	82.9	<10
Benzo(b)fluoranthene	<15 µg/kg	TM218	144	<15
Benzo(k)fluoranthene	<14 µg/kg	TM218	49.3	<14
Benzo(a)pyrene	<15 µg/kg	TM218	64.9	<15
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218	53.7	<18
Dibenzo(a,h)anthracene	<23 µg/kg	TM218	<23	<23
Benzo(g,h,i)perylene	<24 µg/kg	TM218	82	<24
PAH, Total Detected USEPA 16	<118 µg/kg	TM218	7390	<118

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TPH CWG (S)

Results Legend		Customer Sample Ref.	IP 36	IP 36	IP 37	IP 37	IP 117	IP 117
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	0.50	1.50	0.50	1.50	0.50	1.50
M	mCERTS accredited.		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.		14/07/2014	14/07/2014	14/07/2014	14/07/2014	14/07/2014	14/07/2014
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery		15/07/2014	15/07/2014	15/07/2014	15/07/2014	15/07/2014	15/07/2014
(F)	Trigger breach confirmed		140715-57	140715-57	140715-57	140715-57	140715-57	140715-57
1-5&*&\$@	Sample deviation (see appendix)		9621680	9621676	9621668	9621672	9621650	9621660
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	116	112	110	92	74	110
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	<176	17100	447	<176	<880	<176
			M	M	M	M	M	M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<20	<20	<20	<20	<100	<20
			M	M	M	M	M	M
Benzene	<10 µg/kg	TM089	<40	<40	<40	<40	<200	<40
			M	M	M	M	M	M
Toluene	<2 µg/kg	TM089	<8	<8	<8	<8	<40	<8
			M	M	M	M	M	M
Ethylbenzene	<3 µg/kg	TM089	<12	<12	<12	<12	<60	<12
			M	M	M	M	M	M
m,p-Xylene	<6 µg/kg	TM089	<24	<24	<24	<24	<120	<24
			M	M	M	M	M	M
o-Xylene	<3 µg/kg	TM089	<12	<12	<12	<12	<60	<12
			M	M	M	M	M	M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089	<40	<40	<40	<40	<200	<40
Aliphatics >C6-C8	<10 µg/kg	TM089	<40	<40	<40	<40	<200	<40
Aliphatics >C8-C10	<10 µg/kg	TM089	<40	529	47.3	<40	<200	<40
Aliphatics >C10-C12	<10 µg/kg	TM089	<40	9720	185	<40	<200	<40
Aliphatics >C12-C16	<100 µg/kg	TM173	<100	<100	<100	<100	142000	<100
Aliphatics >C16-C21	<100 µg/kg	TM173	<100	<100	<100	<100	1420000	6690
Aliphatics >C21-C35	<100 µg/kg	TM173	<100	<100	<100	<100	3030000	20500
Aliphatics >C35-C44	<100 µg/kg	TM173	<100	<100	<100	<100	410000	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173	<100	<100	<100	<100	5000000	27200
Aromatics >EC5-EC7	<10 µg/kg	TM089	<40	<40	<40	<40	<200	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089	<40	<40	<40	<40	<200	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089	<40	356	40.7	<40	<200	<40
Aromatics >EC10-EC12	<10 µg/kg	TM089	<40	6480	123	<40	<200	<40
Aromatics >EC12-EC16	<100 µg/kg	TM173	<100	<100	621	<100	23900	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173	<100	<100	<100	<100	346000	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173	<100	<100	521	<100	2150000	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173	<100	<100	<100	<100	504000	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173	<100	<100	<100	<100	195000	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	<100	<100	1140	<100	3030000	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	<100	17100	1570	<100	8030000	27200



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TPH CWG (S)

Results Legend		Customer Sample Ref.	IP 117	IP 319	IP 319	IP 320	IP 320	IP 320
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference						
M	mCERTS accredited.							
aq	Aqueous / settled sample.							
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery							
(F)	Trigger breach confirmed							
1-5&*&@	Sample deviation (see appendix)							
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	87	102	104	94	104	92
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	55200 M	<176 M	<176 M	<176 M	40600 M	3070 #
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	163 M	<20 M	<20 M	<20 M	<20 M	<20 #
Benzene	<10 µg/kg	TM089	63.3 M	<40 M	<40 M	<40 M	<40 M	<40 #
Toluene	<2 µg/kg	TM089	<8 M	<8 M	<8 M	<8 M	<8 M	<8 #
Ethylbenzene	<3 µg/kg	TM089	<12 M	<12 M	<12 M	<12 M	<12 M	<12 #
m,p-Xylene	<6 µg/kg	TM089	<24 M	<24 M	<24 M	<24 M	<24 M	28.8 #
o-Xylene	<3 µg/kg	TM089	<12 M	<12 M	<12 M	<12 M	<12 M	<12 #
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	<9	<9	<9	<9	28.8
sum of detected BTEX by GC	<24 µg/kg	TM089	63.3	<24	<24	<24	<24	28.8
Aliphatics >C5-C6	<10 µg/kg	TM089	<40	<40	<40	<40	416	47.2
Aliphatics >C6-C8	<10 µg/kg	TM089	10100	<40	<40	<40	13000	283
Aliphatics >C8-C10	<10 µg/kg	TM089	10200	<40	<40	<40	6920	593
Aliphatics >C10-C12	<10 µg/kg	TM089	16700	<40	<40	<40	9340	1030
Aliphatics >C12-C16	<100 µg/kg	TM173	1460000	<100	<100	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173	1970000	<100	<100	<100	228	<100
Aliphatics >C21-C35	<100 µg/kg	TM173	1030000	<100	<100	<100	14300	<100
Aliphatics >C35-C44	<100 µg/kg	TM173	103000	<100	<100	<100	2620	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173	4560000	<100	<100	<100	17100	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089	63.3	<40	<40	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089	6830	<40	<40	<40	4620	428
Aromatics >EC10-EC12	<10 µg/kg	TM089	11100	<40	<40	<40	6220	687
Aromatics >EC12-EC16	<100 µg/kg	TM173	367000	<100	<100	<100	6290	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173	736000	<100	<100	<100	7480	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173	775000	<100	<100	<100	<100	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173	140000	<100	<100	<100	<100	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173	52200	<100	<100	<100	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	2020000	<100	<100	<100	13800	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	6630000	<100	<100	<100	71500	3070



SDG: 140715-57
Job: H_ATKINS_LDC-241
Client Reference: CD0747

Location:
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0747
Report Number: 289664
Superseded Report: 279310

TPH CWG (S)

Results Legend		Customer Sample Ref.	IP 348	IP 348	IP 348	IP 357	IP 357	IP 357
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	0.50	1.50	2.50	0.50	1.50	2.50
M	mCERTS accredited.		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.		11/07/2014	11/07/2014	11/07/2014	11/07/2014	11/07/2014	11/07/2014
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery		15/07/2014	15/07/2014	15/07/2014	15/07/2014	15/07/2014	15/07/2014
(F)	Trigger breach confirmed		140715-57	140715-57	140715-57	140715-57	140715-57	140715-57
1-58*\$@	Sample deviation (see appendix)		9621436	9621488	9621519	9621523	9621528	9621533
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	86	72	102	71	80	127
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	<176 M	<176 M	<176 M	<176 M	9910 M	30100 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<20 M	<20 M	<20 M	<20 M	<20 M	<20 M
Benzene	<10 µg/kg	TM089	<40 M	<40 M	<40 M	<40 M	106 M	83.2 M
Toluene	<2 µg/kg	TM089	<8 M	<8 M	<8 M	18 M	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089	<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089	<24 M	<24 M	<24 M	<24 M	741 M	1220 M
o-Xylene	<3 µg/kg	TM089	<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	<36	<9	<9	741	1220
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	<96	<24	<24	847	1300
Aliphatics >C5-C6	<10 µg/kg	TM089	<40	<40	<40	<40	849	207
Aliphatics >C6-C8	<10 µg/kg	TM089	<40	<40	<40	<40	3970	12600
Aliphatics >C8-C10	<10 µg/kg	TM089	<40	41	<40	<40	2040	6710
Aliphatics >C10-C12	<10 µg/kg	TM089	<40	43.3	<40	<40	491	2120
Aliphatics >C12-C16	<100 µg/kg	TM173	<100	245	<100	1050	<100	816
Aliphatics >C16-C21	<100 µg/kg	TM173	<100	474	<100	4540	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173	<100	3530	<100	16500	<100	<100
Aliphatics >C35-C44	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173	<100	4250	<100	22100	<100	816
Aromatics >EC5-EC7	<10 µg/kg	TM089	<40	<40	<40	<40	106	83.2
Aromatics >EC7-EC8	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089	<40	<40	<40	<40	2120	5700
Aromatics >EC10-EC12	<10 µg/kg	TM089	<40	<40	<40	<40	328	1410
Aromatics >EC12-EC16	<100 µg/kg	TM173	<100	<100	<100	<100	4910	670
Aromatics >EC16-EC21	<100 µg/kg	TM173	<100	138	<100	3540	669	2260
Aromatics >EC21-EC35	<100 µg/kg	TM173	<100	8110	1590	27800	17000	3990
Aromatics >EC35-EC44	<100 µg/kg	TM173	<100	1450	<100	5200	5840	138
Aromatics >EC40-EC44	<100 µg/kg	TM173	<100	<100	<100	<100	831	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	<100	9700	1590	36500	28400	7050
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	<100	14100	1610	58600	38300	36700



SDG: 140715-57
Job: H_ATKINS_LDC-241
Client Reference: CD0747

Location:
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0747
Report Number: 289664
Superseded Report: 279310

TPH CWG (S)

Results Legend		Customer Sample Ref.	IP 358	IP 358	IP 367	IP 369	IP 369	IP 369
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	0.50	1.50	0.50	0.50	1.50	2.50
M	mCERTS accredited.		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.		11/07/2014	11/07/2014	11/07/2014	11/07/2014	11/07/2014	11/07/2014
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery		15/07/2014	15/07/2014	15/07/2014	15/07/2014	15/07/2014	15/07/2014
(F)	Trigger breach confirmed		140715-57	140715-57	140715-57	140715-57	140715-57	140715-57
1-58*\$@	Sample deviation (see appendix)		9621845	9621852	9621901	9621538	9621542	9621553
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	92	97	86	96	109	76
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	<176	<176	<176	<176	2000	<176
			M	M	M	M	M	M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<20	<20	<20	<20	<20	<20
			M	M	M	M	M	M
Benzene	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
			M	M	M	M	M	M
Toluene	<2 µg/kg	TM089	<8	<8	<8	<8	<8	<8
			M	M	M	M	M	M
Ethylbenzene	<3 µg/kg	TM089	<12	<12	<12	<12	<12	<12
			M	M	M	M	M	M
m,p-Xylene	<6 µg/kg	TM089	<24	<24	<24	<24	58	<24
			M	M	M	M	M	M
o-Xylene	<3 µg/kg	TM089	<12	<12	<12	<12	<12	<12
			M	M	M	M	M	M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	<9	<9	<9	58	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	<24	<24	<24	58	<24
Aliphatics >C5-C6	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089	<40	<40	<40	<40	145	<40
Aliphatics >C8-C10	<10 µg/kg	TM089	<40	<40	<40	<40	600	<40
Aliphatics >C10-C12	<10 µg/kg	TM089	<40	<40	<40	<40	457	<40
Aliphatics >C12-C16	<100 µg/kg	TM173	<100	<100	<100	<100	<100	386
Aliphatics >C16-C21	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173	<100	<100	449	433	<100	<100
Aliphatics >C35-C44	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173	<100	<100	449	433	<100	386
Aromatics >EC5-EC7	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089	<40	<40	<40	<40	459	<40
Aromatics >EC10-EC12	<10 µg/kg	TM089	<40	<40	<40	<40	305	<40
Aromatics >EC12-EC16	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173	<100	<100	3110	873	11300	1090
Aromatics >EC35-EC44	<100 µg/kg	TM173	<100	<100	<100	<100	<100	288
Aromatics >EC40-EC44	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	<100	<100	3110	873	11300	1380
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	<100	<100	3570	1320	13300	1760



SDG: 140715-57
Job: H_ATKINS_LDC-241
Client Reference: CD0747

Location:
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0747
Report Number: 289664
Superseded Report: 279310

TPH CWG (S)

Results Legend		Customer Sample Ref.	IP 369	IP 369	IP 370	IP 370	IP 370	IP 370
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	3.50	4.50	0.50	1.50	2.50	3.50
M	mCERTS accredited.		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.		11/07/2014	11/07/2014	11/07/2014	11/07/2014	11/07/2014	11/07/2014
diss.filt	Dissolved / filtered sample.		15/07/2014	15/07/2014	15/07/2014	15/07/2014	15/07/2014	15/07/2014
tot.unfilt	Total / unfiltered sample.		140715-57	140715-57	140715-57	140715-57	140715-57	140715-57
*	Subcontracted test.		9621558	9621562	9621568	9621572	9621577	9621581
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery							
(F)	Trigger breach confirmed							
1-58*\$@	Sample deviation (see appendix)							
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	93	101	80	85	106	97
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	<176 M	397 M	<176 M	<176 M	<176 M	<176 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<20 M	<20 M	<20 M	<20 M	<20 M	<20 M
Benzene	<10 µg/kg	TM089	<40 M	<40 M	<40 M	<40 M	<40 M	<40 M
Toluene	<2 µg/kg	TM089	<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089	<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089	<24 M	<24 M	<24 M	<24 M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089	<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089	<40	96.4	<40	<40	<40	<40
Aliphatics >C8-C10	<10 µg/kg	TM089	<40	56.1	<40	<40	<40	<40
Aliphatics >C10-C12	<10 µg/kg	TM089	<40	48.8	<40	<40	<40	<40
Aliphatics >C12-C16	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173	<100	<100	<100	2160	<100	<100
Aliphatics >C35-C44	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173	<100	<100	<100	2160	<100	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089	<40	74.4	<40	<40	<40	<40
Aromatics >EC10-EC12	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aromatics >EC12-EC16	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173	<100	670	1040	424	<100	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173	<100	8170	7850	19700	<100	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173	<100	1070	<100	4860	<100	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173	<100	<100	<100	2220	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	<100	9910	8890	24900	<100	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	<100	10200	8910	27100	<100	<100



SDG: 140715-57
Job: H_ATKINS_LDC-241
Client Reference: CD0747

Location:
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0747
Report Number: 289664
Superseded Report: 279310

TPH CWG (S)

Results Legend		Customer Sample Ref.	IP 370	IP 381	IP 394	IP 395	IP 395	IP 395
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	4.50	0.50	0.10	0.50	1.50	2.50
M	mCERTS accredited.		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.		11/07/2014	11/07/2014	11/07/2014	11/07/2014	11/07/2014	11/07/2014
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery		15/07/2014	15/07/2014	15/07/2014	15/07/2014	15/07/2014	15/07/2014
(F)	Trigger breach confirmed		140715-57	140715-57	140715-57	140715-57	140715-57	140715-57
1-58*\$@	Sample deviation (see appendix)		9621585	9621950	9621282	9621589	9621593	9621602
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	96	82	68	95	97	96
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	<176	<176	<176	<176	<176	<176
			M	M	M	M	M	M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<20	<20	<20	<20	<20	<20
			M	M	M	M	M	M
Benzene	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
			M	M	M	M	M	M
Toluene	<2 µg/kg	TM089	<8	<8	<8	<8	<8	<8
			M	M	M	M	M	M
Ethylbenzene	<3 µg/kg	TM089	<12	<12	<12	<12	<12	<12
			M	M	M	M	M	M
m,p-Xylene	<6 µg/kg	TM089	<24	<24	<24	<24	<24	<24
			M	M	M	M	M	M
o-Xylene	<3 µg/kg	TM089	<12	<12	<12	<12	<12	<12
			M	M	M	M	M	M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aliphatics >C8-C10	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aliphatics >C10-C12	<10 µg/kg	TM089	<40	<40	56	<40	<40	<40
Aliphatics >C12-C16	<100 µg/kg	TM173	<100	<100	11700	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173	<100	<100	4160	<100	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173	<100	<100	10900	<100	<100	<100
Aliphatics >C35-C44	<100 µg/kg	TM173	<100	<100	2340	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173	<100	<100	29100	<100	<100	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aromatics >EC10-EC12	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aromatics >EC12-EC16	<100 µg/kg	TM173	<100	<100	1710	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173	<100	1760	4970	<100	<100	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173	<100	15500	41000	<100	<100	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173	<100	4040	16200	<100	<100	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173	<100	<100	7030	<100	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	<100	21300	63900	<100	<100	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	<100	21300	93200	<100	<100	<100



SDG: 140715-57
Job: H_ATKINS_LDC-241
Client Reference: CD0747

Location:
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0747
Report Number: 289664
Superseded Report: 279310

TPH CWG (S)

Results Legend		Customer Sample Ref.	IP 418	IP 419	IP 419	IP 419	IP 420	IP 441
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	1.00	0.50	1.50	2.20	0.50	0.50
M	mCERTS accredited.		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.		11/07/2014	11/07/2014	11/07/2014	11/07/2014	11/07/2014	14/07/2014
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery		15/07/2014	15/07/2014	15/07/2014	15/07/2014	15/07/2014	15/07/2014
(F)	Trigger breach confirmed		140715-57	140715-57	140715-57	140715-57	140715-57	140715-57
1-58*\$@	Sample deviation (see appendix)		9621333	9621606	9621611	9621616	9621384	9621624
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	73	93	97	89	85	94
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	<176 M	<176 M	<176 M	<176 M	247 M	<176 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<20 M	<20 M	<20 M	<20 M	<20 M	<20 M
Benzene	<10 µg/kg	TM089	<40 M	<40 M	<40 M	<40 M	<40 M	<40 M
Toluene	<2 µg/kg	TM089	<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089	<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089	<24 M	<24 M	<24 M	<24 M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089	<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aliphatics >C8-C10	<10 µg/kg	TM089	<40	<40	<40	<40	55.9	<40
Aliphatics >C10-C12	<10 µg/kg	TM089	<40	<40	<40	<40	68.4	<40
Aliphatics >C12-C16	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173	<100	<100	<100	<100	5220	7580
Aliphatics >C35-C44	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173	<100	<100	<100	<100	5220	7580
Aromatics >EC5-EC7	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089	<40	<40	<40	<40	49	<40
Aromatics >EC10-EC12	<10 µg/kg	TM089	<40	<40	<40	<40	45.6	<40
Aromatics >EC12-EC16	<100 µg/kg	TM173	<100	<100	<100	<100	951	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173	<100	<100	<100	<100	889	138
Aromatics >EC21-EC35	<100 µg/kg	TM173	4100	<100	6930	<100	27300	5760
Aromatics >EC35-EC44	<100 µg/kg	TM173	1320	<100	<100	<100	5230	572
Aromatics >EC40-EC44	<100 µg/kg	TM173	<100	<100	<100	<100	2240	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	5420	<100	6930	<100	34400	6470
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	5430	<100	6940	<100	39900	14100



SDG: 140715-57
Job: H_ATKINS_LDC-241
Client Reference: CD0747

Location:
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0747
Report Number: 289664
Superseded Report: 279310

TPH CWG (S)

Results Legend		Customer Sample Ref.	IP 441	IP 441	IP 441	IP 441	IP 446	IP 458
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	1.50	2.50	3.50	4.50	0.50	0.50
M	mCERTS accredited.		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.		14/07/2014	14/07/2014	14/07/2014	14/07/2014	11/07/2014	14/07/2014
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery		15/07/2014	15/07/2014	15/07/2014	15/07/2014	15/07/2014	15/07/2014
(F)	Trigger breach confirmed		140715-57	140715-57	140715-57	140715-57	140715-57	140715-57
1-5&*&\$@	Sample deviation (see appendix)		9621628	9621633	9621637	9621642	9621620	9621547
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	114	121	115	122	93	111
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	<176 M	<176 M	<176 M	107 M	<176 M	<176 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<20 M	<20 M	<20 M	<5 M	<20 M	<20 M
Benzene	<10 µg/kg	TM089	<40 M	<40 M	<40 M	<10 M	<40 M	<40 M
Toluene	<2 µg/kg	TM089	<8 M	<8 M	<8 M	<2 M	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089	<12 M	<12 M	<12 M	<3 M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089	<24 M	<24 M	<24 M	<6 M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089	<12 M	<12 M	<12 M	<3 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089	<40	<40	<40	<10	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089	<40	<40	<40	16.7	<40	<40
Aliphatics >C8-C10	<10 µg/kg	TM089	<40	<40	<40	23.3	<40	<40
Aliphatics >C10-C12	<10 µg/kg	TM089	<40	<40	<40	23.3	<40	<40
Aliphatics >C12-C16	<100 µg/kg	TM173	<100	<100	<100	483	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173	<100	<100	<100	324	<100	<100
Aliphatics >C35-C44	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173	<100	<100	<100	807	<100	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089	<40	<40	<40	<10	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089	<40	<40	<40	<10	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089	<40	<40	<40	22.2	<40	<40
Aromatics >EC10-EC12	<10 µg/kg	TM089	<40	<40	<40	15.5	<40	<40
Aromatics >EC12-EC16	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173	2530	<100	<100	2790	5130	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173	1540	<100	<100	250	<100	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	4070	<100	<100	3040	5130	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	4100	<100	<100	3960	5130	<100



SDG: 140715-57
Job: H_ATKINS_LDC-241
Client Reference: CD0747

Location:
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0747
Report Number: 289664
Superseded Report: 279310

TPH CWG (S)

Results Legend		Customer Sample Ref.	IP 458	IP 458	IP 486	IP 486	IP 487	IP 487
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	1.50	2.50	0.20	0.70	1.00	3.00
M	mCERTS accredited.		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.		14/07/2014	14/07/2014	11/07/2014	11/07/2014	11/07/2014	11/07/2014
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery		15/07/2014	15/07/2014	15/07/2014	15/07/2014	15/07/2014	15/07/2014
(F)	Trigger breach confirmed		140715-57	140715-57	140715-57	140715-57	140715-57	140715-57
1-58*\$@	Sample deviation (see appendix)		9621597	9621646	9621684	9621688	9621692	9621697
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	120	96	99	131	102	130
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	<176 M	54300 M	434 M	593000 M	<176 M	326000 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<20 M	<20 M	<20 M	<25 M	<20 M	<20 M
Benzene	<10 µg/kg	TM089	<40 M	<40 M	<40 M	218 M	<40 M	<40 M
Toluene	<2 µg/kg	TM089	<8 M	<8 M	<8 M	<10 M	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089	<12 M	<12 M	<12 M	<15 M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089	<24 M	<24 M	<24 M	<30 M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089	<12 M	<12 M	<12 M	<15 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	<24	<24	218	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089	<40	<40	<40	22200	<40	2310
Aliphatics >C6-C8	<10 µg/kg	TM089	<40	<40	107	268000	<40	70100
Aliphatics >C8-C10	<10 µg/kg	TM089	<40	982	92.3	143000	<40	98300
Aliphatics >C10-C12	<10 µg/kg	TM089	<40	31600	92.3	39000	<40	53900
Aliphatics >C12-C16	<100 µg/kg	TM173	<100	28000	<100	71500	3550	693
Aliphatics >C16-C21	<100 µg/kg	TM173	<100	<100	<100	12200	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aliphatics >C35-C44	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173	<100	28000	<100	83700	3550	693
Aromatics >EC5-EC7	<10 µg/kg	TM089	<40	<40	<40	218	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089	<40	<40	<40	<50	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089	<40	656	61.5	95100	<40	65500
Aromatics >EC10-EC12	<10 µg/kg	TM089	<40	21000	61.5	26000	<40	35900
Aromatics >EC12-EC16	<100 µg/kg	TM173	<100	<100	<100	11100	<100	204
Aromatics >EC16-EC21	<100 µg/kg	TM173	<100	<100	<100	<100	<100	329
Aromatics >EC21-EC35	<100 µg/kg	TM173	<100	<100	<100	<100	<100	1240
Aromatics >EC35-EC44	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	<100	<100	<100	11100	<100	1780
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	<100	82300	434	688000	3550	328000
Aromatics >EC16-EC35	<100 µg/kg	TM173						1570



SDG: 140715-57
Job: H_ATKINS_LDC-241
Client Reference: CD0747

Location:
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0747
Report Number: 289664
Superseded Report: 279310

TPH CWG (S)

Results Legend		Customer Sample Ref.	IP 493	IP 504	IP 505	IP 505	IP 505	IP 505
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	4.40	1.00	0.50	1.00	1.50	3.50
M	mCERTS accredited.		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.		14/07/2014	11/07/2014	11/07/2014	11/07/2014	11/07/2014	11/07/2014
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery		15/07/2014	15/07/2014	15/07/2014	15/07/2014	15/07/2014	15/07/2014
(F)	Trigger breach confirmed		140715-57	140715-57	140715-57	140715-57	140715-57	140715-57
1-5&*&@	Sample deviation (see appendix)		9621841	9621741	9621745	9621753	9621758	9621763
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	109	99	97	97	102	84
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	56500	<176	<176	420	19300	190
			M	M	M	M	M	M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<20	<20	<20	<20	<20	<5
			M	M	M	M	M	M
Benzene	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<10
			M	M	M	M	M	M
Toluene	<2 µg/kg	TM089	<8	<8	<8	<8	<8	<2
			M	M	M	M	M	M
Ethylbenzene	<3 µg/kg	TM089	<12	<12	<12	<12	<12	<3
			M	M	M	M	M	M
m,p-Xylene	<6 µg/kg	TM089	<24	<24	<24	<24	<24	<6
			M	M	M	M	M	M
o-Xylene	<3 µg/kg	TM089	<12	<12	<12	<12	<12	<3
			M	M	M	M	M	M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<10
Aliphatics >C6-C8	<10 µg/kg	TM089	81.6	<40	<40	61.6	669	24.9
Aliphatics >C8-C10	<10 µg/kg	TM089	3290	<40	<40	106	2270	35
Aliphatics >C10-C12	<10 µg/kg	TM089	30600	<40	<40	97.9	8870	61
Aliphatics >C12-C16	<100 µg/kg	TM173	<100	471	<100	<100	66200	15900
Aliphatics >C16-C21	<100 µg/kg	TM173	<100	1220	<100	<100	759	10500
Aliphatics >C21-C35	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aliphatics >C35-C44	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173	<100	1690	<100	<100	67000	26400
Aromatics >EC5-EC7	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089	2190	<40	<40	82.5	1510	24.9
Aromatics >EC10-EC12	<10 µg/kg	TM089	20400	<40	<40	64.9	5910	40.7
Aromatics >EC12-EC16	<100 µg/kg	TM173	<100	<100	<100	<100	20800	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173	<100	1840	<100	<100	<100	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173	<100	467	<100	<100	<100	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	<100	2310	<100	<100	20800	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	56500	4000	<100	420	107000	26600



SDG: 140715-57
Job: H_ATKINS_LDC-241
Client Reference: CD0747

Location:
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0747
Report Number: 289664
Superseded Report: 279310

TPH CWG (S)

Results Legend		Customer Sample Ref.	IP 506	IP 517	IP 517	IP 518	IP 519	IP 520
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	0.50	0.90	1.70	0.50	1.00	0.30
M	mCERTS accredited.		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.		11/07/2014	11/07/2014	11/07/2014	11/07/2014	11/07/2014	14/07/2014
diss.filt	Dissolved / filtered sample.		15/07/2014	15/07/2014	15/07/2014	15/07/2014	15/07/2014	15/07/2014
tot.unfilt	Total / unfiltered sample.		140715-57	140715-57	140715-57	140715-57	140715-57	140715-57
*	Subcontracted test.		9621713	9621705	9621709	9621717	9621770	9621775
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery							
(F)	Trigger breach confirmed							
1-58*\$@	Sample deviation (see appendix)							
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	97	99	135	90	97	108
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	<44 M	<44 M	1320000 M	<176 M	<176 M	<176 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<5 M	<5 M	<25 M	<20 M	<20 M	<20 M
Benzene	<10 µg/kg	TM089	<10 M	<10 M	273 M	<40 M	<40 M	<40 M
Toluene	<2 µg/kg	TM089	<2 M	<2 M	<10 M	<8 M	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089	<3 M	<3 M	<15 M	<12 M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089	<6 M	<6 M	<30 M	<24 M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089	<3 M	<3 M	<15 M	<12 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	<24	273	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089	<10	<10	2670	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089	<10	<10	269000	<40	<40	<40
Aliphatics >C8-C10	<10 µg/kg	TM089	<10	<10	480000	<40	<40	<40
Aliphatics >C10-C12	<10 µg/kg	TM089	<10	<10	151000	<40	<40	<40
Aliphatics >C12-C16	<100 µg/kg	TM173	<100	<100	536000	<100	<100	2810
Aliphatics >C16-C21	<100 µg/kg	TM173	<100	<100	36900	<100	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173	<100	1660	50000	<100	1670	4540
Aliphatics >C35-C44	<100 µg/kg	TM173	<100	<100	<100	<100	162	1080
Total Aliphatics >C12-C44	<100 µg/kg	TM173	<100	1660	623000	<100	1830	8430
Aromatics >EC5-EC7	<10 µg/kg	TM089	<10	<10	273	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089	<10	<10	<50	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089	<10	<10	320000	<40	<40	<40
Aromatics >EC10-EC12	<10 µg/kg	TM089	<10	<10	101000	<40	<40	<40
Aromatics >EC12-EC16	<100 µg/kg	TM173	<100	<100	79200	<100	<100	1860
Aromatics >EC16-EC21	<100 µg/kg	TM173	<100	<100	13500	<100	<100	1650
Aromatics >EC21-EC35	<100 µg/kg	TM173	<100	1030	139000	<100	410	15800
Aromatics >EC35-EC44	<100 µg/kg	TM173	<100	<100	38400	<100	<100	4150
Aromatics >EC40-EC44	<100 µg/kg	TM173	<100	<100	5630	<100	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	<100	1030	270000	<100	410	23400
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	<100	2700	2220000	<100	2240	31900



SDG: 140715-57
Job: H_ATKINS_LDC-241
Client Reference: CD0747

Location:
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0747
Report Number: 289664
Superseded Report: 279310

TPH CWG (S)

Results Legend		Customer Sample Ref.	IP 520	IP 520	IP 520	IP 526	IP 530	IP 530
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	1.00	2.00	3.00	0.50	0.50	2.50
M	mCERTS accredited.		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.		14/07/2014	14/07/2014	14/07/2014	11/07/2014	14/07/2014	14/07/2014
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery		15/07/2014	15/07/2014	15/07/2014	15/07/2014	15/07/2014	15/07/2014
(F)	Trigger breach confirmed		140715-57	140715-57	140715-57	140715-57	140715-57	140715-57
1-5&*&@	Sample deviation (see appendix)		9621779	9621783	9621787	9621922	9621936	9621942
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	90	108	88	80	81	110
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	251000 M	135000 M	1070000 #	1790 M	<176 M	<176 #
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<20 M	<20 M	<100 #	<20 M	<20 M	<20 #
Benzene	<10 µg/kg	TM089	<40 M	<40 M	<200 #	<40 M	<40 M	<40 #
Toluene	<2 µg/kg	TM089	<8 M	<8 M	<40 #	<8 M	11.7 M	<8 #
Ethylbenzene	<3 µg/kg	TM089	<12 M	<12 M	<60 #	<12 M	<12 M	<12 #
m,p-Xylene	<6 µg/kg	TM089	75 M	28.8 M	<120 #	<24 M	<24 M	<24 #
o-Xylene	<3 µg/kg	TM089	<12 M	<12 M	<60 #	<12 M	<12 M	<12 #
sum of detected mpo xylene by GC	<9 µg/kg	TM089	75	28.8	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	75	28.8	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089	<40	<40	495	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089	255	179	23800	167	<40	<40
Aliphatics >C8-C10	<10 µg/kg	TM089	40000	15300	235000	539	<40	<40
Aliphatics >C10-C12	<10 µg/kg	TM089	110000	65300	392000	419	<40	<40
Aliphatics >C12-C16	<100 µg/kg	TM173	2490000	946000	1300000	6960	7920	<100
Aliphatics >C16-C21	<100 µg/kg	TM173	47400	26100	33800	4750	13900	<100
Aliphatics >C21-C35	<100 µg/kg	TM173	1090	<100	<100	14500	<100	<100
Aliphatics >C35-C44	<100 µg/kg	TM173	<100	<100	<100	1740	2230	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173	2540000	972000	1330000	28000	24000	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089	<40	<40	<200	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089	<40	<40	<200	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089	26700	10200	157000	360	<40	<40
Aromatics >EC10-EC12	<10 µg/kg	TM089	73500	43600	262000	280	<40	<40
Aromatics >EC12-EC16	<100 µg/kg	TM173	344000	23600	322000	952	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173	27000	4890	14000	2150	<100	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173	11600	3600	<100	20300	44500	3560
Aromatics >EC35-EC44	<100 µg/kg	TM173	<100	5700	<100	11100	16500	369
Aromatics >EC40-EC44	<100 µg/kg	TM173	<100	3560	<100	5300	3940	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	3170000	1140000	2740000	64300	85200	3940



SDG: 140715-57
Job: H_ATKINS_LDC-241
Client Reference: CD0747

Location:
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0747
Report Number: 289664
Superseded Report: 279310

TPH CWG (S)

Results Legend		Customer Sample Ref.	IP 530	IP 532	IP 532	IP 534	IP 534	IP 536
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	4.50	0.50	1.50	0.50	1.00	0.50
M	mCERTS accredited.		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.		14/07/2014	11/07/2014	11/07/2014	14/07/2014	14/07/2014	11/07/2014
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery		15/07/2014	15/07/2014	15/07/2014	15/07/2014	15/07/2014	15/07/2014
(F)	Trigger breach confirmed		140715-57	140715-57	140715-57	140715-57	140715-57	140715-57
1-58*\$@	Sample deviation (see appendix)		9621946	9621910	9621913	9621793	9621798	9621721
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	86	100	89	100	99	95
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	<176 M	<176 M	<176 M	706 M	1230 M	<44 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<20 M	<20 M	<20 M	<20 M	<20 M	<5 M
Benzene	<10 µg/kg	TM089	<40 M	<40 M	<40 M	<40 M	<40 M	<10 M
Toluene	<2 µg/kg	TM089	<8 M	21.7 M	<8 M	<8 M	<8 M	<2 M
Ethylbenzene	<3 µg/kg	TM089	<12 M	<12 M	<12 M	<12 M	<12 M	<3 M
m,p-Xylene	<6 µg/kg	TM089	<24 M	<24 M	<24 M	<24 M	<24 M	<6 M
o-Xylene	<3 µg/kg	TM089	<12 M	<12 M	<12 M	<12 M	<12 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<10
Aliphatics >C6-C8	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<10
Aliphatics >C8-C10	<10 µg/kg	TM089	<40	<40	<40	62.8	70.8	<10
Aliphatics >C10-C12	<10 µg/kg	TM089	<40	<40	<40	319	645	<10
Aliphatics >C12-C16	<100 µg/kg	TM173	<100	4380	1460	<100	28100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173	<100	70800	3270	<100	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173	<100	196000	39400	<100	<100	<100
Aliphatics >C35-C44	<100 µg/kg	TM173	<100	25100	9260	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173	<100	296000	53400	<100	28100	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089	<40	<40	<40	59.7	47.2	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089	<40	<40	<40	213	431	<10
Aromatics >EC12-EC16	<100 µg/kg	TM173	<100	<100	398	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173	<100	12500	4630	1400	<100	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173	<100	168000	51700	13600	<100	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173	<100	63000	15500	<100	<100	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173	<100	20100	6040	<100	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	<100	243000	72200	15000	<100	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	<100	539000	126000	15700	29300	<100



SDG: 140715-57
Job: H_ATKINS_LDC-241
Client Reference: CD0747

Location:
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0747
Report Number: 289664
Superseded Report: 279310

TPH CWG (S)

Results Legend		Customer Sample Ref.	IP 536	IP 550	IP 550	IP 552	IP 552	IP 552
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	1.50	0.50	1.50	0.20	0.50	1.00
M	mCERTS accredited.		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.		11/07/2014	11/07/2014	11/07/2014	14/07/2014	14/07/2014	14/07/2014
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery		15/07/2014	15/07/2014	15/07/2014	15/07/2014	15/07/2014	15/07/2014
(F)	Trigger breach confirmed		140715-57	140715-57	140715-57	140715-57	140715-57	140715-57
1-58*\$@	Sample deviation (see appendix)		9621725	9621730	9621735	9621807	9621811	9621816
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	102	83	107	100	119	108
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	<44	<176	365000	37200	88200	222000
			M	M	#	M	M	M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<5	<20	<100	<20	<20	<20
			M	M	#	M	M	M
Benzene	<10 µg/kg	TM089	<10	<40	<200	<40	<40	<40
			M	M	#	M	M	M
Toluene	<2 µg/kg	TM089	<2	<8	<40	<8	<8	<8
			M	M	#	M	M	M
Ethylbenzene	<3 µg/kg	TM089	<3	<12	<60	<12	<12	<12
			M	M	#	M	M	M
m,p-Xylene	<6 µg/kg	TM089	<6	<24	<120	<24	<24	<24
			M	M	#	M	M	M
o-Xylene	<3 µg/kg	TM089	<3	<12	<60	<12	<12	<12
			M	M	#	M	M	M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	<9	<180	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	<24	<480	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089	<10	<40	<200	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089	<10	<40	1540	84.2	1930	1280
Aliphatics >C8-C10	<10 µg/kg	TM089	<10	<40	99700	5710	27000	44600
Aliphatics >C10-C12	<10 µg/kg	TM089	<10	<40	118000	16500	24700	87700
Aliphatics >C12-C16	<100 µg/kg	TM173	<100	<100	483000	9100	699	487000
Aliphatics >C16-C21	<100 µg/kg	TM173	<100	<100	332000	<100	<100	20000
Aliphatics >C21-C35	<100 µg/kg	TM173	<100	<100	29900	<100	<100	<100
Aliphatics >C35-C44	<100 µg/kg	TM173	<100	409	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173	<100	409	846000	9100	699	507000
Aromatics >EC5-EC7	<10 µg/kg	TM089	<10	<40	<200	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089	<10	<40	<200	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089	<10	<40	66500	3810	18000	29700
Aromatics >EC10-EC12	<10 µg/kg	TM089	<10	<40	78700	11000	16500	58400
Aromatics >EC12-EC16	<100 µg/kg	TM173	<100	<100	130000	<100	<100	21300
Aromatics >EC16-EC21	<100 µg/kg	TM173	<100	2510	162000	<100	<100	2890
Aromatics >EC21-EC35	<100 µg/kg	TM173	<100	15700	22200	25600	14800	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173	<100	9350	<100	7660	<100	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173	<100	4140	<100	<100	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	<100	27600	314000	33300	14800	24200
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	<100	28000	1520000	79500	104000	753000
Aromatics >EC16-EC35	<100 µg/kg	TM173		18200				



SDG: 140715-57
Job: H_ATKINS_LDC-241
Client Reference: CD0747

Location:
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0747
Report Number: 289664
Superseded Report: 279310

TPH CWG (S)

Results Legend		Customer Sample Ref.						
#	ISO17025 accredited.		IP 555	IP 555	IP 556	IP 557	IP 557	IP 563
M	mCERTS accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	0.50 Soil/Solid 11/07/2014	4.50 Soil/Solid 11/07/2014	0.50 Soil/Solid 11/07/2014	0.50 Soil/Solid 11/07/2014	1.50 Soil/Solid 11/07/2014	0.50 Soil/Solid 11/07/2014
aq	Aqueous / settled sample.							
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery							
(F)	Trigger breach confirmed							
1-5&*&\$@	Sample deviation (see appendix)							
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	73	108	83	98	89	61
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	<176 M	<176 M	<176 M	780 M	<176 M	<176 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<20 M	<20 M	<20 M	<20 M	<20 M	<20 M
Benzene	<10 µg/kg	TM089	<40 M	<40 M	<40 M	<40 M	<40 M	<40 M
Toluene	<2 µg/kg	TM089	<8 M	<8 M	116 M	<8 M	167 M	58.9 M
Ethylbenzene	<3 µg/kg	TM089	<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089	<24 M	<24 M	<24 M	<24 M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089	<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	<24	116	<24	167	58.9
Aliphatics >C5-C6	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089	<40	<40	<40	93.1	<40	<40
Aliphatics >C8-C10	<10 µg/kg	TM089	<40	<40	<40	186	<40	<40
Aliphatics >C10-C12	<10 µg/kg	TM089	<40	<40	<40	199	<40	<40
Aliphatics >C12-C16	<100 µg/kg	TM173	5810	<100	204	8650	8060	4500
Aliphatics >C16-C21	<100 µg/kg	TM173	10300	<100	5790	94800	60400	64300
Aliphatics >C21-C35	<100 µg/kg	TM173	36400	<100	85400	207000	136000	145000
Aliphatics >C35-C44	<100 µg/kg	TM173	15600	<100	63800	28100	21500	18800
Total Aliphatics >C12-C44	<100 µg/kg	TM173	68000	<100	155000	339000	226000	232000
Aromatics >EC5-EC7	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089	<40	<40	116	<40	167	58.9
Aromatics >EC8-EC10	<10 µg/kg	TM089	<40	<40	<40	156	<40	<40
Aromatics >EC10-EC12	<10 µg/kg	TM089	<40	<40	<40	132	<40	<40
Aromatics >EC12-EC16	<100 µg/kg	TM173	<100	<100	262	<100	1110	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173	4170	<100	2670	21400	26700	15200
Aromatics >EC21-EC35	<100 µg/kg	TM173	31200	<100	72100	168000	159000	127000
Aromatics >EC35-EC44	<100 µg/kg	TM173	18200	<100	55100	48000	51600	38400
Aromatics >EC40-EC44	<100 µg/kg	TM173	6890	<100	26200	14200	18000	11900
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	53500	<100	130000	238000	238000	180000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	122000	<100	285000	577000	465000	413000



SDG: 140715-57
Job: H_ATKINS_LDC-241
Client Reference: CD0747

Location:
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0747
Report Number: 289664
Superseded Report: 279310

TPH CWG (S)

Results Legend		Customer Sample Ref.	IP 564	IP 593	IP 593	IP 593	IP 593	IP 604
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	1.00	0.50	1.00	1.50	2.00	0.50
M	mCERTS accredited.		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.		11/07/2014	14/07/2014	14/07/2014	14/07/2014	14/07/2014	11/07/2014
diss.filt	Dissolved / filtered sample.		15/07/2014	15/07/2014	15/07/2014	15/07/2014	15/07/2014	15/07/2014
tot.unfilt	Total / unfiltered sample.		140715-57	140715-57	140715-57	140715-57	140715-57	140715-57
*	Subcontracted test.		9621917	9621822	9621828	9621832	9621836	9621864
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery							
(F)	Trigger breach confirmed							
1-5&*&\$@	Sample deviation (see appendix)							
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	94	93	84	119	118	79
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	5040	1190	15300	3370	662	<176
			M	M	M	M	#	#
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<20	<20	<100	<20	<20	<20
			M	M	M	M	#	#
Benzene	<10 µg/kg	TM089	<40	<40	<200	<40	<40	<40
			M	M	M	M	#	#
Toluene	<2 µg/kg	TM089	<8	<8	<40	<8	<8	<8
			M	M	M	M	#	#
Ethylbenzene	<3 µg/kg	TM089	<12	<12	<60	<12	<12	<12
			M	M	M	M	#	#
m,p-Xylene	<6 µg/kg	TM089	<24	<24	<120	<24	<24	<24
			M	M	M	M	#	#
o-Xylene	<3 µg/kg	TM089	<12	<12	<60	<12	<12	<12
			M	M	M	M	#	#
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089	<40	<40	257	83.6	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089	520	<40	1570	167	48.4	<40
Aliphatics >C8-C10	<10 µg/kg	TM089	1790	127	1620	244	129	<40
Aliphatics >C10-C12	<10 µg/kg	TM089	914	548	5700	1620	217	<40
Aliphatics >C12-C16	<100 µg/kg	TM173	6600	3010	626000	<100	<100	1820
Aliphatics >C16-C21	<100 µg/kg	TM173	5010	34600	285000	<100	<100	5000
Aliphatics >C21-C35	<100 µg/kg	TM173	14800	29100	502000	<100	<100	12000
Aliphatics >C35-C44	<100 µg/kg	TM173	<100	6850	70300	<100	<100	9840
Total Aliphatics >C12-C44	<100 µg/kg	TM173	26400	73600	1480000	<100	<100	28700
Aromatics >EC5-EC7	<10 µg/kg	TM089	<40	<40	<200	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089	<40	<40	<200	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089	1190	84.7	1200	171	99	<40
Aromatics >EC10-EC12	<10 µg/kg	TM089	609	365	3800	1080	145	<40
Aromatics >EC12-EC16	<100 µg/kg	TM173	<100	<100	16800	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173	1410	9290	73300	<100	<100	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173	14100	48700	411000	<100	<100	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173	4540	19800	95600	<100	<100	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173	<100	7190	26700	<100	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	20100	77800	596000	<100	<100	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	51600	153000	2090000	3370	650	28700



SDG: 140715-57
Job: H_ATKINS_LDC-241
Client Reference: CD0747

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Attention: Jack Lowrie

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TPH CWG (S)

Results Legend		Customer Sample Ref.	IP 604	IP 604	IP 604	IP 604	IP 605	IP 606
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	2.50	3.50	5.00	6.00	0.50	0.50
M	mCERTS accredited.		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.		11/07/2014	11/07/2014	11/07/2014	11/07/2014	11/07/2014	11/07/2014
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery		15/07/2014	15/07/2014	15/07/2014	15/07/2014	15/07/2014	15/07/2014
(F)	Trigger breach confirmed		140715-57	140715-57	140715-57	140715-57	140715-57	140715-57
1-58*\$@	Sample deviation (see appendix)		9621868	9621874	9621879	9621883	9621849	9621856
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	101	104	44	83	84	102
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	<176	558	<176	<176	<176	<176
			M	M	M	M	M	#
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<20	<20	<20	<20	<20	<20
			M	M	M	M	M	#
Benzene	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
			M	M	M	M	M	#
Toluene	<2 µg/kg	TM089	<8	<8	<8	<8	<8	<8
			M	M	M	M	M	#
Ethylbenzene	<3 µg/kg	TM089	<12	<12	<12	<12	<12	<12
			M	M	M	M	M	#
m,p-Xylene	<6 µg/kg	TM089	<24	<24	<24	<24	<24	<24
			M	M	M	M	M	#
o-Xylene	<3 µg/kg	TM089	<12	<12	<12	<12	<12	<12
			M	M	M	M	M	#
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	<9	<9	<9	<36	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	<24	<24	<24	<96	<24
Aliphatics >C5-C6	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aliphatics >C8-C10	<10 µg/kg	TM089	<40	102	<40	<40	<40	<40
Aliphatics >C10-C12	<10 µg/kg	TM089	<40	213	<40	<40	<40	<40
Aliphatics >C12-C16	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173	<100	<100	1620	<100	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173	<100	24200	240000	<100	68900	<100
Aliphatics >C35-C44	<100 µg/kg	TM173	<100	6910	<100	<100	73400	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173	<100	31100	242000	<100	142000	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089	<40	67.8	<40	<40	<40	<40
Aromatics >EC10-EC12	<10 µg/kg	TM089	<40	143	<40	<40	<40	<40
Aromatics >EC12-EC16	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173	<100	<100	17900	<100	2160	1270
Aromatics >EC21-EC35	<100 µg/kg	TM173	16300	8070	1950000	16400	138000	12800
Aromatics >EC35-EC44	<100 µg/kg	TM173	1830	<100	300000	771	118000	11800
Aromatics >EC40-EC44	<100 µg/kg	TM173	<100	<100	64400	<100	46200	5010
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	18100	8070	2260000	17100	258000	25800
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	18100	39700	2500000	17200	401000	25800



SDG: 140715-57
Job: H_ATKINS_LDC-241
Client Reference: CD0747

Location:
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0747
Report Number: 289664
Superseded Report: 279310

TPH CWG (S)

Results Legend		Customer Sample Ref.	IP 606	TP 978	TP 978	TP 978	TPE817	TPE817
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	3.00	0.50	1.50	2.50	0.50	1.50
M	mCERTS accredited.		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.		11/07/2014	11/07/2014	11/07/2014	11/07/2014	11/07/2014	11/07/2014
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery		15/07/2014	15/07/2014	15/07/2014	15/07/2014	15/07/2014	15/07/2014
(F)	Trigger breach confirmed		140715-57	140715-57	140715-57	140715-57	140715-57	140715-57
1-5&*&\$@	Sample deviation (see appendix)		9621860	9621307	9621312	9621316	9621320	9621324
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	92	74	92	91	94	99
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	16600	263	16200	3190	<176	<176
			M	M	M	M	M	M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<20	<20	<20	<20	<20	<20
			M	M	M	M	M	M
Benzene	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
			M	M	M	M	M	M
Toluene	<2 µg/kg	TM089	<8	<8	<8	<8	<8	<8
			M	M	M	M	M	M
Ethylbenzene	<3 µg/kg	TM089	<12	<12	<12	108	<12	<12
			M	M	M	M	M	M
m,p-Xylene	<6 µg/kg	TM089	<24	<24	<24	<24	<24	<24
			M	M	M	M	M	M
o-Xylene	<3 µg/kg	TM089	<12	<12	<12	<12	<12	<12
			M	M	M	M	M	M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	<24	<24	108	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089	<40	99.9	985	325	<40	<40
Aliphatics >C8-C10	<10 µg/kg	TM089	2560	58.8	7890	1310	<40	<40
Aliphatics >C10-C12	<10 µg/kg	TM089	7370	<40	1230	330	<40	<40
Aliphatics >C12-C16	<100 µg/kg	TM173	121000	<100	<100	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173	107000	<100	<100	<100	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173	60200	<100	<100	<100	<100	<100
Aliphatics >C35-C44	<100 µg/kg	TM173	7510	<100	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173	295000	<100	<100	<100	<100	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089	1710	45.5	5260	983	<40	<40
Aromatics >EC10-EC12	<10 µg/kg	TM089	4910	<40	818	220	<40	<40
Aromatics >EC12-EC16	<100 µg/kg	TM173	21300	<100	<100	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173	39600	1430	<100	<100	<100	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173	57800	11900	<100	<100	<100	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173	14100	3210	<100	<100	<100	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173	3520	<100	<100	<100	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	133000	16500	<100	<100	<100	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	445000	16800	16200	3190	<100	<100



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Client Reference: CD0747

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Attention: Jack Lowrie

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Superseded Report: 279310

TPH CWG (S)

Results Legend		Customer Sample Ref.	TPE817	TPE817	TPE870	TPE870	TPE870	TPE870
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference						
M	mCERTS accredited.							
aq	Aqueous / settled sample.							
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery							
(F)	Trigger breach confirmed							
1-5&*&\$@	Sample deviation (see appendix)							
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	101	104	133	94	96	95
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	<176 M	<176 M	<176 M	<176 M	<176 M	<176 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<20 M	<20 M	<20 M	<20 M	<20 M	<20 M
Benzene	<10 µg/kg	TM089	<40 M	<40 M	<40 M	<40 M	<40 M	<40 M
Toluene	<2 µg/kg	TM089	<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089	<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089	<24 M	<24 M	<24 M	<24 M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089	<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aliphatics >C8-C10	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aliphatics >C10-C12	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aliphatics >C12-C16	<100 µg/kg	TM173	<100	171	<100	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aliphatics >C35-C44	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173	<100	171	<100	<100	<100	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aromatics >EC10-EC12	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aromatics >EC12-EC16	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173	<100	<100	<100	<100	<100	151
Aromatics >EC21-EC35	<100 µg/kg	TM173	<100	868	<100	<100	<100	2600
Aromatics >EC35-EC44	<100 µg/kg	TM173	<100	211	<100	<100	<100	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	<100	1080	<100	<100	<100	2750
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	<100	1250	<100	<100	<100	2750



SDG: 140715-57
Job: H_ATKINS_LDC-241
Client Reference: CD0747

Location:
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0747
Report Number: 289664
Superseded Report: 279310

TPH CWG (S)

Results Legend		Customer Sample Ref.	TPE960	TPE960	TPE961	TPE961	TPE961	TPE961
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	1.50	2.50	0.50	1.50	2.50	3.50
M	mCERTS accredited.		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.		11/07/2014	11/07/2014	11/07/2014	11/07/2014	11/07/2014	11/07/2014
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery		15/07/2014	15/07/2014	15/07/2014	15/07/2014	15/07/2014	15/07/2014
(F)	Trigger breach confirmed		140715-57	140715-57	140715-57	140715-57	140715-57	140715-57
1-5&*\$@	Sample deviation (see appendix)		9621298	9621302	9621972	9621980	9621984	9621287
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	100	95	107	100	109	117
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	<176	<176	<176	69500	108000	80000
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<20	<20	<20	<20	<20	<20
Benzene	<10 µg/kg	TM089	<40	<40	<40	<40	<40	44.4
Toluene	<2 µg/kg	TM089	<8	<8	<8	26.4	<8	<8
Ethylbenzene	<3 µg/kg	TM089	<12	<12	<12	<12	<12	<12
m,p-Xylene	<6 µg/kg	TM089	<24	<24	<24	<24	<24	<24
o-Xylene	<3 µg/kg	TM089	<12	<12	<12	<12	<12	<12
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	<24	<24	26.4	<24	44.4
Aliphatics >C5-C6	<10 µg/kg	TM089	<40	<40	<40	70.4	63.3	753
Aliphatics >C6-C8	<10 µg/kg	TM089	<40	<40	<40	1520	15600	24300
Aliphatics >C8-C10	<10 µg/kg	TM089	<40	<40	<40	16300	32300	21500
Aliphatics >C10-C12	<10 µg/kg	TM089	<40	<40	<40	24500	22900	11400
Aliphatics >C12-C16	<100 µg/kg	TM173	<100	<100	<100	3540	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173	<100	<100	<100	7270	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aliphatics >C35-C44	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173	<100	<100	<100	10800	<100	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089	<40	<40	<40	<40	<40	44.4
Aromatics >EC7-EC8	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089	<40	<40	<40	10900	21500	14300
Aromatics >EC10-EC12	<10 µg/kg	TM089	<40	<40	<40	16300	15200	7630
Aromatics >EC12-EC16	<100 µg/kg	TM173	<100	<100	<100	2890	649	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173	<100	<100	<100	7700	<100	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173	<100	<100	<100	24400	<100	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173	<100	<100	<100	13700	<100	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173	<100	<100	<100	6360	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	<100	<100	<100	48600	649	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	<100	<100	<100	129000	108000	80000



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Superseded Report: 279310

TPH CWG (S)

Results Legend		Customer Sample Ref.	TPE969	TPE969	TPE969	TPE969	TPE1057	TPE1057
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	0.50	1.50	2.50	3.50	0.50	1.50
M	mCERTS accredited.		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.		11/07/2014	11/07/2014	11/07/2014	11/07/2014	11/07/2014	11/07/2014
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery		15/07/2014	15/07/2014	15/07/2014	15/07/2014	15/07/2014	15/07/2014
(F)	Trigger breach confirmed		140715-57	140715-57	140715-57	140715-57	140715-57	140715-57
1-5&*&\$@	Sample deviation (see appendix)		9621956	9621960	9621964	9621968	9621356	9621360
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	84	124	96	94	81	99
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	546	<176	935	389	<176	24200
			M	M	M	M	M	M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<20	<20	<20	<20	<20	<20
			M	M	M	M	M	M
Benzene	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
			M	M	M	M	M	M
Toluene	<2 µg/kg	TM089	<8	<8	<8	<8	<8	<8
			M	M	M	M	M	M
Ethylbenzene	<3 µg/kg	TM089	<12	<12	<12	<12	<12	<12
			M	M	M	M	M	M
m,p-Xylene	<6 µg/kg	TM089	<24	<24	<24	<24	<24	<24
			M	M	M	M	M	M
o-Xylene	<3 µg/kg	TM089	<12	<12	<12	<12	<12	<12
			M	M	M	M	M	M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089	116	<40	305	104	<40	2020
Aliphatics >C8-C10	<10 µg/kg	TM089	126	<40	181	84	<40	10800
Aliphatics >C10-C12	<10 µg/kg	TM089	105	<40	143	62.7	<40	2470
Aliphatics >C12-C16	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aliphatics >C35-C44	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089	102	<40	121	56	<40	7200
Aromatics >EC10-EC12	<10 µg/kg	TM089	70.3	<40	95.2	41.4	<40	1640
Aromatics >EC12-EC16	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173	<100	<100	<100	<100	<100	517
Aromatics >EC21-EC35	<100 µg/kg	TM173	2080	<100	<100	<100	3650	5180
Aromatics >EC35-EC44	<100 µg/kg	TM173	<100	<100	<100	<100	<100	845
Aromatics >EC40-EC44	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	2080	<100	<100	<100	3650	6540
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	2620	<100	878	366	3660	30700



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TPH CWG (S)

Results Legend		Customer Sample Ref.						
#	ISO17025 accredited.		TPE1057	TPE1057	TPE1057	TPE1135	TPE1135	TPE1136
M	mCERTS accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	2.50 Soil/Solid 11/07/2014	3.50 Soil/Solid 11/07/2014	4.50 Soil/Solid 11/07/2014	0.50 Soil/Solid 14/07/2014	1.50 Soil/Solid 14/07/2014	0.50 Soil/Solid 11/07/2014
aq	Aqueous / settled sample.		15/07/2014 140715-57 9621365	15/07/2014 140715-57 9621369	15/07/2014 140715-57 9621376	15/07/2014 140715-57 9621420	15/07/2014 140715-57 9621425	15/07/2014 140715-57 9621402
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery							
(F)	Trigger breach confirmed							
1-5&*&\$@	Sample deviation (see appendix)							
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	222	128	88	94	95	119
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	1360000 M	107000 M	6840 M	<176 M	<176 M	<176 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<100 M	177 M	<20 M	<20 M	<20 M	<20 M
Benzene	<10 µg/kg	TM089	680 M	124 M	<40 M	<40 M	<40 M	<40 M
Toluene	<2 µg/kg	TM089	<40 M	<8 M	<8 M	<8 M	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089	<60 M	<12 M	<12 M	<12 M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089	<120 M	<24 M	<24 M	<24 M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089	<60 M	<12 M	<12 M	<12 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<180	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	680	124	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089	2500	349	89.6	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089	571000	43300	2500	<40	<40	<40
Aliphatics >C8-C10	<10 µg/kg	TM089	447000	35300	2030	<40	<40	<40
Aliphatics >C10-C12	<10 µg/kg	TM089	24800	2430	520	<40	<40	<40
Aliphatics >C12-C16	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aliphatics >C35-C44	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089	680	124	<40	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089	<200	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089	298000	23500	1350	<40	<40	<40
Aromatics >EC10-EC12	<10 µg/kg	TM089	16500	1620	347	<40	<40	<40
Aromatics >EC12-EC16	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173	<100	<100	834	<100	<100	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	<100	<100	834	<100	<100	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	1360000	107000	7680	<100	<100	<100



SDG: 140715-57
Job: H_ATKINS_LDC-241
Client Reference: CD0747

Location:
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0747
Report Number: 289664
Superseded Report: 279310

TPH CWG (S)

Results Legend		Customer Sample Ref.	TPE1136	TPE1137	TPE1137	TPE1137	TPE1137	TPE1138
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	1.20	0.50	1.50	2.50	3.50	0.50
M	mCERTS accredited.		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.		11/07/2014	11/07/2014	11/07/2014	11/07/2014	11/07/2014	14/07/2014
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery		15/07/2014	15/07/2014	15/07/2014	15/07/2014	15/07/2014	15/07/2014
(F)	Trigger breach confirmed		140715-57	140715-57	140715-57	140715-57	140715-57	140715-57
1-58*\$@	Sample deviation (see appendix)		9621406	9621380	9621388	9621394	9621398	9621460
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	106	84	145	88	77	104
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	<176 M	<176 M	170000 M	15800 M	755 M	843 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<20 M	<20 M	<20 M	23.9 M	<20 M	<20 M
Benzene	<10 µg/kg	TM089	<40 M	<40 M	<40 M	<40 M	<40 M	<40 M
Toluene	<2 µg/kg	TM089	<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089	<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089	<24 M	<24 M	<24 M	<24 M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089	<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089	<40	<40	23800	3300	165	180
Aliphatics >C8-C10	<10 µg/kg	TM089	<40	<40	82400	6570	223	320
Aliphatics >C10-C12	<10 µg/kg	TM089	<40	<40	5090	865	117	71.9
Aliphatics >C12-C16	<100 µg/kg	TM173	<100	1470	<100	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173	<100	1680	<100	<100	<100	<100
Aliphatics >C35-C44	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173	<100	3160	<100	<100	<100	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089	<40	<40	54900	4380	149	213
Aromatics >EC10-EC12	<10 µg/kg	TM089	<40	<40	3390	577	78.7	47.6
Aromatics >EC12-EC16	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173	<100	909	<100	<100	<100	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173	<100	9570	<100	<100	<100	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173	<100	7140	<100	<100	<100	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173	<100	3580	<100	<100	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	<100	17600	<100	<100	<100	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	<100	20800	170000	15700	755	843



SDG: 140715-57
Job: H_ATKINS_LDC-241
Client Reference: CD0747

Location:
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0747
Report Number: 289664
Superseded Report: 279310

TPH CWG (S)

Results Legend		Customer Sample Ref.	TPE1138	TPE1138	TPE1138	TPE1138	TPE1143	TPE1143
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	1.50	2.50	3.50	4.50	0.50	1.50
M	mCERTS accredited.		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.		14/07/2014	14/07/2014	14/07/2014	14/07/2014	14/07/2014	14/07/2014
diss.filt	Dissolved / filtered sample.		15/07/2014	15/07/2014	15/07/2014	15/07/2014	15/07/2014	15/07/2014
tot.unfilt	Total / unfiltered sample.		140715-57	140715-57	140715-57	140715-57	140715-57	140715-57
*	Subcontracted test.		9621465	9621470	9621475	9621479	9621431	9621441
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery							
(F)	Trigger breach confirmed							
1-5&*&\$@	Sample deviation (see appendix)							
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	108	131	111	111	109	134
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	21500 M	266000 M	73800 M	<176 M	3840 M	219000 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<20 M	<100 M	<20 M	<20 M	<20 M	<50 M
Benzene	<10 µg/kg	TM089	<40 M	<200 M	<40 M	<40 M	<40 M	123 M
Toluene	<2 µg/kg	TM089	<8 M	<40 M	<8 M	<8 M	<8 M	<20 M
Ethylbenzene	<3 µg/kg	TM089	<12 M	<60 M	<12 M	<12 M	<12 M	<30 M
m,p-Xylene	<6 µg/kg	TM089	<24 M	<120 M	<24 M	<24 M	<24 M	<60 M
o-Xylene	<3 µg/kg	TM089	<12 M	<60 M	<12 M	<12 M	<12 M	<30 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	<24	<24	<24	<24	123
Aliphatics >C5-C6	<10 µg/kg	TM089	78.7	<200	73.5	<40	<40	404
Aliphatics >C6-C8	<10 µg/kg	TM089	5610	68300	26200	46.8	518	58600
Aliphatics >C8-C10	<10 µg/kg	TM089	9040	109000	26400	41	1770	83500
Aliphatics >C10-C12	<10 µg/kg	TM089	467	8010	2090	<40	207	12500
Aliphatics >C12-C16	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aliphatics >C35-C44	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089	<40	<200	<40	<40	<40	123
Aromatics >EC7-EC8	<10 µg/kg	TM089	<40	<200	<40	<40	<40	<100
Aromatics >EC8-EC10	<10 µg/kg	TM089	6020	72800	17600	<40	1180	55600
Aromatics >EC10-EC12	<10 µg/kg	TM089	311	5340	1390	<40	138	8310
Aromatics >EC12-EC16	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	21500	264000	73800	132	3840	219000



SDG: 140715-57
Job: H_ATKINS_LDC-241
Client Reference: CD0747

Location:
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0747
Report Number: 289664
Superseded Report: 279310

TPH CWG (S)

Results Legend			Customer Sample Ref.		TPE1143	TPE1143	TPE1143	TPE1144	TPE1144	TPE1145
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	2.50 Soil/Solid 14/07/2014 15/07/2014 140715-57 9621446	3.50 Soil/Solid 14/07/2014 15/07/2014 140715-57 9621450	4.50 Soil/Solid 14/07/2014 15/07/2014 140715-57 9621455	0.50 Soil/Solid 11/07/2014 15/07/2014 140715-57 9621412	2.00 Soil/Solid 11/07/2014 15/07/2014 140715-57 9621416	0.50 Soil/Solid 14/07/2014 15/07/2014 140715-57 9621483	
M	mCERTS accredited.									
aq	Aqueous / settled sample.									
diss.filt	Dissolved / filtered sample.									
tot.unfilt	Total / unfiltered sample.									
*	Subcontracted test.									
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery									
(F)	Trigger breach confirmed									
1-5&*&\$@	Sample deviation (see appendix)									
Component	LOD/Units	Method								
GRO Surrogate % recovery**	%	TM089	124	117	70	87	94	98		
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	223000 M	78700 M	<176 M	<176 M	<176 M	<176 M	<176 M	
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<20 M	<20 M	<20 M	<20 M	<20 M	<20 M	<20 M	
Benzene	<10 µg/kg	TM089	<40 M	204 M	<40 M	<40 M	<40 M	<40 M	<40 M	
Toluene	<2 µg/kg	TM089	<8 M	<8 M	<8 M	23.7 M	<8 M	<8 M	<8 M	
Ethylbenzene	<3 µg/kg	TM089	<12 M	<12 M	<12 M	<12 M	<12 M	<12 M	<12 M	
m,p-Xylene	<6 µg/kg	TM089	<24 M	<24 M	<24 M	<24 M	<24 M	<24 M	<24 M	
o-Xylene	<3 µg/kg	TM089	<12 M	<12 M	<12 M	<12 M	<12 M	<12 M	<12 M	
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	<9	<9	<9	<9	<9	<9	
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	204	<24	<24	<24	<24	<24	
Aliphatics >C5-C6	<10 µg/kg	TM089	1230	461	<40	<40	<40	<40	<40	
Aliphatics >C6-C8	<10 µg/kg	TM089	90900	22600	<40	<40	<40	<40	<40	
Aliphatics >C8-C10	<10 µg/kg	TM089	72900	28800	<40	<40	<40	<40	<40	
Aliphatics >C10-C12	<10 µg/kg	TM089	5380	4530	<40	<40	<40	<40	<40	
Aliphatics >C12-C16	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100	<100	
Aliphatics >C16-C21	<100 µg/kg	TM173	<100	<100	<100	6180	<100	<100	<100	
Aliphatics >C21-C35	<100 µg/kg	TM173	<100	<100	<100	41300	<100	<100	<100	
Aliphatics >C35-C44	<100 µg/kg	TM173	<100	<100	<100	11600	<100	<100	<100	
Total Aliphatics >C12-C44	<100 µg/kg	TM173	<100	<100	<100	59100	<100	<100	<100	
Aromatics >EC5-EC7	<10 µg/kg	TM089	<40	204	<40	<40	<40	<40	<40	
Aromatics >EC7-EC8	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40	<40	
Aromatics >EC8-EC10	<10 µg/kg	TM089	48600	19200	<40	<40	<40	<40	<40	
Aromatics >EC10-EC12	<10 µg/kg	TM089	3590	3020	<40	<40	<40	<40	<40	
Aromatics >EC12-EC16	<100 µg/kg	TM173	<100	2070	<100	<100	<100	<100	<100	
Aromatics >EC16-EC21	<100 µg/kg	TM173	<100	<100	<100	5390	<100	<100	<100	
Aromatics >EC21-EC35	<100 µg/kg	TM173	<100	<100	<100	79700	<100	<100	<100	
Aromatics >EC35-EC44	<100 µg/kg	TM173	<100	<100	<100	27600	<100	<100	<100	
Aromatics >EC40-EC44	<100 µg/kg	TM173	<100	<100	<100	9700	<100	<100	<100	
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	<100	2070	<100	113000	<100	<100	<100	
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	223000	80800	<100	172000	<100	<100	<100	



SDG: 140715-57
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Client Reference: CD0747

Location:
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Attention: Jack Lowrie

Order Number: CD0747
Report Number: 289664
Superseded Report: 279310

TPH CWG (S)

Results Legend		Customer Sample Ref.	TPE1145	TPE1146	TPE1217	TPE1218	TPE1228	TPE1229
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	1.70	0.50	0.50	0.50	0.50	0.50
M	mCERTS accredited.		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.		14/07/2014	14/07/2014	14/07/2014	14/07/2014	14/07/2014	14/07/2014
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.		15/07/2014	15/07/2014	15/07/2014	15/07/2014	15/07/2014	15/07/2014
*	Subcontracted test.		140715-57	140715-57	140715-57	140715-57	140715-57	140715-57
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery		9621492	9621497	9621506	9621502	9621515	9621510
(F)	Trigger breach confirmed							
1-5&*\$@	Sample deviation (see appendix)							
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	109	98	100	115	79	97
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	<176 M	<176 M	<176 M	<176 M	3460 M	<176 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<20 M	<20 M	<20 M	<20 M	<20 M	<20 M
Benzene	<10 µg/kg	TM089	<40 M	<40 M	<40 M	<40 M	<40 M	<40 M
Toluene	<2 µg/kg	TM089	<8 M	<8 M	<8 M	<8 M	269 M	<8 M
Ethylbenzene	<3 µg/kg	TM089	<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089	<24 M	<24 M	<24 M	<24 M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089	<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	<24	<24	<24	269	<24
Aliphatics >C5-C6	<10 µg/kg	TM089	<40	<40	<40	<40	48	<40
Aliphatics >C6-C8	<10 µg/kg	TM089	<40	<40	<40	<40	137	<40
Aliphatics >C8-C10	<10 µg/kg	TM089	<40	<40	<40	<40	1220	<40
Aliphatics >C10-C12	<10 µg/kg	TM089	<40	<40	<40	<40	570	<40
Aliphatics >C12-C16	<100 µg/kg	TM173	<100	<100	<100	<100	4660	<100
Aliphatics >C16-C21	<100 µg/kg	TM173	<100	<100	<100	<100	39400	<100
Aliphatics >C21-C35	<100 µg/kg	TM173	<100	<100	<100	<100	45200	<100
Aliphatics >C35-C44	<100 µg/kg	TM173	<100	<100	<100	<100	2300	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173	<100	<100	<100	<100	91600	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089	<40	<40	<40	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089	<40	<40	<40	<40	269	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089	<40	<40	<40	<40	826	<40
Aromatics >EC10-EC12	<10 µg/kg	TM089	<40	<40	<40	<40	380	<40
Aromatics >EC12-EC16	<100 µg/kg	TM173	<100	<100	<100	<100	892	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173	<100	<100	<100	<100	8610	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173	<100	<100	<100	<100	36700	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173	<100	<100	<100	<100	9210	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173	<100	<100	<100	<100	4050	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	<100	<100	<100	<100	55400	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	<100	<100	<100	<100	150000	<100



SDG: 140715-57
Job: H_ATKINS_LDC-241
Client Reference: CD0747

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Attention: Jack Lowrie

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Asbestos Identification - Solid Samples

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 36 0.50 SOLID 14/07/2014 00:00:00 140715-57 9621680 TM048	25/07/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 37 0.50 SOLID 14/07/2014 00:00:00 140715-57 9621668 TM048	25/07/14	Kevin Bowron	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 117 0.50 SOLID 14/07/2014 00:00:00 140715-57 9621650 TM048	24/07/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 319 0.50 SOLID 11/07/2014 00:00:00 140715-57 9621749 TM048	24/07/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 320 0.50 SOLID 11/07/2014 00:00:00 140715-57 9621277 TM048	24/07/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected



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		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 348 0.50 SOLID 11/07/2014 00:00:00 140715-57 9621436 TM048	25/07/14	Kevin Gill	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 357 0.50 SOLID 11/07/2014 00:00:00 140715-57 9621523 TM048	25/07/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 358 0.50 SOLID 11/07/2014 00:00:00 140715-57 9621845 TM048	24/07/14	Lauren Sargeant	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 367 0.50 SOLID 11/07/2014 00:00:00 140715-57 9621901 TM048	25/07/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 369 0.50 SOLID 11/07/2014 00:00:00 140715-57 9621538 TM048	25/07/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 370 0.50 SOLID 11/07/2014 00:00:00 140715-57 9621568 TM048	25/07/14	Kevin Gill	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected



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Attention: Jack Lowrie

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		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 381 0.50 SOLID 11/07/2014 00:00:00 140715-57 9621950 TM048	25/07/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 394 0.10 SOLID 11/07/2014 00:00:00 140715-57 9621282 TM048	25/07/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 395 0.50 SOLID 11/07/2014 00:00:00 140715-57 9621589 TM048	24/07/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 418 1.00 SOLID 11/07/2014 00:00:00 140715-57 9621333 TM048	25/07/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 419 0.50 SOLID 11/07/2014 00:00:00 140715-57 9621606 TM048	24/07/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 420 0.50 SOLID 11/07/2014 00:00:00 140715-57 9621384 TM048	25/07/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected



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		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 441 0.50 SOLID 14/07/2014 00:00:00 140715-57 9621624 TM048	24/07/14	Lauren Sargeant	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 446 0.50 SOLID 11/07/2014 00:00:00 140715-57 9621620 TM048	25/07/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 458 0.50 SOLID 14/07/2014 00:00:00 140715-57 9621547 TM048	25/07/14	Kevin Bowron	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 486 0.20 SOLID 11/07/2014 00:00:00 140715-57 9621684 TM048	24/07/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 486 0.70 SOLID 11/07/2014 00:00:00 140715-57 9621688 TM048	24/07/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 487 1.00 SOLID 11/07/2014 00:00:00 140715-57 9621692 TM048	25/07/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected



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		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 504 1.00 SOLID 11/07/2014 00:00:00 140715-57 9621741 TM048	24/07/14	Kevin Bowron	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 505 0.50 SOLID 11/07/2014 00:00:00 140715-57 9621745 TM048	25/07/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 505 1.00 SOLID 11/07/2014 00:00:00 140715-57 9621753 TM048	25/07/14	Kevin Gill	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 506 0.50 SOLID 11/07/2014 00:00:00 140715-57 9621713 TM048	24/07/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 517 0.90 SOLID 11/07/2014 00:00:00 140715-57 9621705 TM048	25/07/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 518 0.50 SOLID 11/07/2014 00:00:00 140715-57 9621717 TM048	24/07/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected



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		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 519 1.00 SOLID 11/07/2014 00:00:00 140715-57 9621770 TM048	25/07/14	Kevin Gill	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 520 0.30 SOLID 14/07/2014 00:00:00 140715-57 9621775 TM048	24/07/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 520 1.00 SOLID 14/07/2014 00:00:00 140715-57 9621779 TM048	25/07/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 526 0.50 SOLID 11/07/2014 00:00:00 140715-57 9621922 TM048	24/07/14	Lauren Sargeant	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 530 0.50 SOLID 14/07/2014 00:00:00 140715-57 9621936 TM048	24/07/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 532 0.50 SOLID 11/07/2014 00:00:00 140715-57 9621910 TM048	25/07/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected



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		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 534 0.50 SOLID 14/07/2014 00:00:00 140715-57 9621793 TM048	24/07/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 534 1.00 SOLID 14/07/2014 00:00:00 140715-57 9621798 TM048	25/07/14	Kevin Gill	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 536 0.50 SOLID 11/07/2014 00:00:00 140715-57 9621721 TM048	25/07/14	Kevin Gill	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 550 0.50 SOLID 11/07/2014 00:00:00 140715-57 9621730 TM048	25/07/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 552 0.20 SOLID 14/07/2014 00:00:00 140715-57 9621807 TM048	25/07/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 552 0.50 SOLID 14/07/2014 00:00:00 140715-57 9621811 TM048	25/07/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected



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		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 552 1.00 SOLID 14/07/2014 00:00:00 140715-57 9621816 TM048	25/07/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 555 0.50 SOLID 11/07/2014 00:00:00 140715-57 9621926 TM048	24/07/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 556 0.50 SOLID 11/07/2014 00:00:00 140715-57 9621906 TM048	25/07/14	Kevin Gill	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 557 0.50 SOLID 11/07/2014 00:00:00 140715-57 9621887 TM048	25/07/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 563 0.50 SOLID 11/07/2014 00:00:00 140715-57 9621896 TM048	24/07/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 564 1.00 SOLID 11/07/2014 00:00:00 140715-57 9621917 TM048	25/07/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected



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		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 593 0.50 SOLID 14/07/2014 00:00:00 140715-57 9621822 TM048	25/07/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 593 1.00 SOLID 14/07/2014 00:00:00 140715-57 9621828 TM048	24/07/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 604 0.50 SOLID 11/07/2014 00:00:00 140715-57 9621864 TM048	24/07/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 605 0.50 SOLID 11/07/2014 00:00:00 140715-57 9621849 TM048	25/07/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	IP 606 0.50 SOLID 11/07/2014 00:00:00 140715-57 9621856 TM048	24/07/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TP 978 0.50 SOLID 11/07/2014 00:00:00 140715-57 9621307 TM048	25/07/14	Kevin Gill	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected



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		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TPE817 0.50 SOLID 11/07/2014 00:00:00 140715-57 9621320 TM048	25/07/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TPE870 0.50 SOLID 11/07/2014 00:00:00 140715-57 9621343 TM048	25/07/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TPE960 0.50 SOLID 11/07/2014 00:00:00 140715-57 9621293 TM048	24/07/14	Kevin Bowron	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TPE961 0.50 SOLID 11/07/2014 00:00:00 140715-57 9621972 TM048	24/07/14	Kevin Bowron	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TPE969 0.50 SOLID 11/07/2014 00:00:00 140715-57 9621956 TM048	24/07/14	Lauren Sargeant	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TPE1057 0.50 SOLID 11/07/2014 00:00:00 140715-57 9621356 TM048	25/07/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected



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		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TPE1135 0.50 SOLID 14/07/2014 00:00:00 140715-57 9621420 TM048	24/07/14	Kevin Bowron	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TPE1136 0.50 SOLID 11/07/2014 00:00:00 140715-57 9621402 TM048	25/07/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TPE1137 0.50 SOLID 11/07/2014 00:00:00 140715-57 9621380 TM048	25/07/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TPE1138 0.50 SOLID 14/07/2014 00:00:00 140715-57 9621460 TM048	25/07/14	Kevin Gill	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TPE1143 0.50 SOLID 14/07/2014 00:00:00 140715-57 9621431 TM048	25/07/14	Kevin Gill	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TPE1144 0.50 SOLID 11/07/2014 00:00:00 140715-57 9621412 TM048	24/07/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected



CERTIFICATE OF ANALYSIS

SDG: 140715-57
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		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TPE1145 0.50 SOLID 14/07/2014 00:00:00 140715-57 9621483 TM048	24/07/14	Lauren Sargeant	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TPE1146 0.50 SOLID 14/07/2014 00:00:00 140715-57 9621497 TM048	25/07/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TPE1217 0.50 SOLID 14/07/2014 00:00:00 140715-57 9621506 TM048	24/07/14	Lauren Sargeant	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TPE1218 0.50 SOLID 14/07/2014 00:00:00 140715-57 9621502 TM048	25/07/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TPE1228 0.50 SOLID 14/07/2014 00:00:00 140715-57 9621515 TM048	24/07/14	Lauren Sargeant	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TPE1229 0.50 SOLID 14/07/2014 00:00:00 140715-57 9621510 TM048	24/07/14	Lauren Sargeant	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected



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Location:
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Attention: Jack Lowrie

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Table of Results - Appendix

Method No	Reference	Description	Wet/Dry Sample ¹	Surrogate Corrected
ASB_PREP				
PM001		Preparation of Samples for Metals Analysis		
PM024	Modified BS 1377	Soil preparation including homogenisation, moisture screens of soils for Asbestos Containing Material		
TM048	HSG 248, Asbestos: The analysts' guide for sampling, analysis and clearance procedures	Identification of Asbestos in Bulk Material		
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)		
TM132	In - house Method	ELTRA CS800 Operators Guide		
TM133	BS 1377: Part 3 1990;BS 6068-2.5	Determination of pH in Soil and Water using the GLpH pH Meter		
TM173	Analysis of Petroleum Hydrocarbons in Environmental Media – Total Petroleum Hydrocarbon Criteria	Determination of Speciated Extractable Petroleum Hydrocarbons in Soils by GC-FID		
TM181	US EPA Method 6010B	Determination of Routine Metals in Soil by iCap 6500 Duo ICP-OES		
TM218	Microwave extraction – EPA method 3546	Microwave extraction - EPA method 3546		

¹ Applies to Solid samples only. DRY indicates samples have been dried at 35°C. NA = not applicable.



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Test Completion Dates

Lab Sample No(s) Customer Sample Ref. AGS Ref. Depth Type	9621676	9621680	9621668	9621672	9621650	9621660	9621664	9621749	9621803	9621277
	IP 36	IP 36	IP 37	IP 37	IP 117	IP 117	IP 117	IP 319	IP 319	IP 320
	1.50	0.50	0.50	1.50	0.50	1.50	2.50	0.50	1.50	0.50
Asbestos ID in Solid Samples	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
	25-Jul-2014	25-Jul-2014	26-Jul-2014	25-Jul-2014	26-Jul-2014	25-Jul-2014	27-Jul-2014	26-Jul-2014	27-Jul-2014	25-Jul-2014
	25-Jul-2014	25-Jul-2014	26-Jul-2014	25-Jul-2014	26-Jul-2014	25-Jul-2014	27-Jul-2014	26-Jul-2014	27-Jul-2014	25-Jul-2014
	24-Jul-2014	24-Jul-2014	24-Jul-2014	24-Jul-2014	25-Jul-2014	24-Jul-2014	24-Jul-2014	24-Jul-2014	25-Jul-2014	24-Jul-2014
Metals in solid samples by OES	22-Jul-2014	21-Jul-2014	21-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014
	24-Jul-2014	21-Jul-2014	20-Jul-2014	24-Jul-2014	20-Jul-2014	24-Jul-2014	24-Jul-2014	20-Jul-2014	25-Jul-2014	20-Jul-2014
	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	18-Jul-2014	21-Jul-2014	21-Jul-2014	22-Jul-2014
	16-Jul-2014	17-Jul-2014	17-Jul-2014	16-Jul-2014	17-Jul-2014	16-Jul-2014	16-Jul-2014	17-Jul-2014	16-Jul-2014	17-Jul-2014
Total Organic Carbon			22-Jul-2014							22-Jul-2014
	25-Jul-2014	25-Jul-2014	26-Jul-2014	25-Jul-2014	26-Jul-2014	25-Jul-2014	28-Jul-2014	26-Jul-2014	28-Jul-2014	25-Jul-2014
Lab Sample No(s) Customer Sample Ref. AGS Ref. Depth Type	9621655	9621701	9621436	9621488	9621519	9621523	9621528	9621533	9621845	9621852
	IP 320	IP 320	IP 348	IP 348	IP 348	IP 357	IP 357	IP 357	IP 358	IP 358
	1.50	2.50	0.50	1.50	2.50	0.50	1.50	2.50	0.50	1.50
Asbestos ID in Solid Samples	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
	28-Jul-2014	28-Jul-2014	28-Jul-2014	27-Jul-2014	27-Jul-2014	25-Jul-2014	27-Jul-2014	27-Jul-2014	25-Jul-2014	27-Jul-2014
	28-Jul-2014	28-Jul-2014	25-Jul-2014	27-Jul-2014	27-Jul-2014	25-Jul-2014	27-Jul-2014	27-Jul-2014	25-Jul-2014	27-Jul-2014
	25-Jul-2014	24-Jul-2014	25-Jul-2014	26-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	24-Jul-2014
Metals in solid samples by OES	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014
	25-Jul-2014	25-Jul-2014	20-Jul-2014	24-Jul-2014	24-Jul-2014	20-Jul-2014	24-Jul-2014	25-Jul-2014	22-Jul-2014	25-Jul-2014
	18-Jul-2014	18-Jul-2014	21-Jul-2014	22-Jul-2014	22-Jul-2014	23-Jul-2014	22-Jul-2014	22-Jul-2014	23-Jul-2014	21-Jul-2014
	16-Jul-2014	16-Jul-2014	17-Jul-2014	16-Jul-2014	16-Jul-2014	17-Jul-2014	16-Jul-2014	16-Jul-2014	17-Jul-2014	16-Jul-2014
Total Organic Carbon						22-Jul-2014				
	28-Jul-2014	28-Jul-2014	25-Jul-2014	28-Jul-2014	28-Jul-2014	25-Jul-2014	28-Jul-2014	28-Jul-2014	25-Jul-2014	28-Jul-2014
Lab Sample No(s) Customer Sample Ref. AGS Ref. Depth Type	9621901	9621538	9621542	9621553	9621558	9621562	9621568	9621572	9621577	9621581
	IP 367	IP 369	IP 369	IP 369	IP 369	IP 369	IP 370	IP 370	IP 370	IP 370
	0.50	0.50	1.50	2.50	3.50	4.50	0.50	1.50	2.50	3.50
Asbestos ID in Solid Samples	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
	28-Jul-2014	28-Jul-2014					28-Jul-2014			
	26-Jul-2014	26-Jul-2014	28-Jul-2014	27-Jul-2014	28-Jul-2014	27-Jul-2014	25-Jul-2014	27-Jul-2014	25-Jul-2014	28-Jul-2014
	26-Jul-2014	26-Jul-2014	28-Jul-2014	27-Jul-2014	28-Jul-2014	27-Jul-2014	25-Jul-2014	27-Jul-2014	25-Jul-2014	28-Jul-2014
Metals in solid samples by OES	24-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	24-Jul-2014	24-Jul-2014	24-Jul-2014	24-Jul-2014
	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	24-Jul-2014	22-Jul-2014	24-Jul-2014
	22-Jul-2014	22-Jul-2014	25-Jul-2014	24-Jul-2014	24-Jul-2014	24-Jul-2014	21-Jul-2014	24-Jul-2014	25-Jul-2014	25-Jul-2014
	23-Jul-2014	23-Jul-2014	22-Jul-2014	21-Jul-2014	21-Jul-2014	21-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014
Total Organic Carbon	17-Jul-2014	17-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014	17-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014
	22-Jul-2014				23-Jul-2014					23-Jul-2014
	26-Jul-2014	26-Jul-2014	28-Jul-2014	28-Jul-2014	28-Jul-2014	28-Jul-2014	25-Jul-2014	28-Jul-2014	25-Jul-2014	28-Jul-2014
Lab Sample No(s) Customer Sample Ref. AGS Ref. Depth Type	9621585	9621950	9621282	9621589	9621593	9621602	9621333	9621606	9621611	9621616
	IP 370	IP 381	IP 394	IP 395	IP 395	IP 395	IP 418	IP 419	IP 419	IP 419
	4.50	0.50	0.10	0.50	1.50	2.50	1.00	0.50	1.50	2.20
Asbestos ID in Solid Samples	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
		28-Jul-2014	28-Jul-2014	28-Jul-2014			28-Jul-2014	28-Jul-2014		
	27-Jul-2014	25-Jul-2014	26-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014
	27-Jul-2014	25-Jul-2014	26-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014
Metals in solid samples by OES	24-Jul-2014	25-Jul-2014	25-Jul-2014	24-Jul-2014	24-Jul-2014	24-Jul-2014	25-Jul-2014	24-Jul-2014	24-Jul-2014	24-Jul-2014
	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014
	25-Jul-2014	22-Jul-2014	22-Jul-2014	21-Jul-2014	25-Jul-2014	25-Jul-2014	22-Jul-2014	21-Jul-2014	25-Jul-2014	25-Jul-2014
	22-Jul-2014	23-Jul-2014	23-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	23-Jul-2014	22-Jul-2014	22-Jul-2014	18-Jul-2014
Total Organic Carbon	16-Jul-2014	17-Jul-2014	17-Jul-2014	17-Jul-2014	16-Jul-2014	16-Jul-2014	17-Jul-2014	17-Jul-2014	16-Jul-2014	16-Jul-2014
						23-Jul-2014				
	28-Jul-2014	25-Jul-2014	26-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014



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Lab Sample No(s) Customer Sample Ref. AGS Ref. Depth Type	9621384	9621624	9621628	9621633	9621637	9621642	9621620	9621547	9621597	9621646
	IP 420	IP 441	IP 441	IP 441	IP 441	IP 441	IP 446	IP 458	IP 458	IP 458
	0.50	0.50	1.50	2.50	3.50	4.50	0.50	0.50	1.50	2.50
	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	28-Jul-2014	28-Jul-2014					28-Jul-2014	28-Jul-2014		
EPH CWG (Aliphatic) GC (S)	26-Jul-2014	26-Jul-2014	27-Jul-2014	27-Jul-2014	27-Jul-2014	27-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014
EPH CWG (Aromatic) GC (S)	26-Jul-2014	26-Jul-2014	27-Jul-2014	27-Jul-2014	27-Jul-2014	27-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014
GRO by GC-FID (S)	24-Jul-2014	25-Jul-2014	24-Jul-2014	24-Jul-2014	24-Jul-2014	24-Jul-2014	24-Jul-2014	24-Jul-2014	24-Jul-2014	25-Jul-2014
Metals in solid samples by OES	21-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014
PAH by GCMS	20-Jul-2014	21-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	21-Jul-2014	20-Jul-2014	24-Jul-2014	24-Jul-2014
pH	23-Jul-2014	23-Jul-2014	21-Jul-2014	21-Jul-2014	21-Jul-2014	21-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014
Sample description	17-Jul-2014	17-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014	17-Jul-2014	17-Jul-2014	16-Jul-2014	16-Jul-2014
Total Organic Carbon		22-Jul-2014			23-Jul-2014			22-Jul-2014		
TPH CWG GC (S)	26-Jul-2014	26-Jul-2014	28-Jul-2014	28-Jul-2014	28-Jul-2014	28-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014

Lab Sample No(s) Customer Sample Ref. AGS Ref. Depth Type	9621684	9621688	9621692	9621697	9621841	9621741	9621745	9621753	9621758	9621763
	IP 486	IP 486	IP 487	IP 487	IP 493	IP 504	IP 505	IP 505	IP 505	IP 505
	0.20	0.70	1.00	3.00	4.40	1.00	0.50	1.00	1.50	3.50
	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	28-Jul-2014	28-Jul-2014	28-Jul-2014			28-Jul-2014	28-Jul-2014	28-Jul-2014		
EPH CWG (Aliphatic) GC (S)	25-Jul-2014	25-Jul-2014	26-Jul-2014	29-Jul-2014	25-Jul-2014	26-Jul-2014	25-Jul-2014	27-Jul-2014	25-Jul-2014	25-Jul-2014
EPH CWG (Aromatic) GC (S)	25-Jul-2014	25-Jul-2014	26-Jul-2014	29-Jul-2014	25-Jul-2014	26-Jul-2014	25-Jul-2014	27-Jul-2014	25-Jul-2014	25-Jul-2014
GRO by GC-FID (S)	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	24-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	24-Jul-2014
Metals in solid samples by OES	22-Jul-2014	22-Jul-2014	22-Jul-2014	21-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	24-Jul-2014	22-Jul-2014
PAH by GCMS	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	24-Jul-2014	22-Jul-2014	20-Jul-2014	22-Jul-2014	24-Jul-2014	24-Jul-2014
pH	22-Jul-2014	22-Jul-2014	22-Jul-2014	18-Jul-2014	22-Jul-2014	21-Jul-2014	21-Jul-2014	21-Jul-2014	22-Jul-2014	18-Jul-2014
Sample description	17-Jul-2014	17-Jul-2014	17-Jul-2014	16-Jul-2014	16-Jul-2014	18-Jul-2014	17-Jul-2014	18-Jul-2014	16-Jul-2014	16-Jul-2014
Total Organic Carbon		22-Jul-2014			23-Jul-2014			22-Jul-2014		
TPH CWG GC (S)	25-Jul-2014	25-Jul-2014	26-Jul-2014	29-Jul-2014	25-Jul-2014	26-Jul-2014	25-Jul-2014	28-Jul-2014	25-Jul-2014	25-Jul-2014

Lab Sample No(s) Customer Sample Ref. AGS Ref. Depth Type	9621713	9621705	9621709	9621717	9621770	9621775	9621779	9621783	9621787	9621922
	IP 506	IP 517	IP 517	IP 518	IP 519	IP 520	IP 520	IP 520	IP 520	IP 526
	0.50	0.90	1.70	0.50	1.00	0.30	1.00	2.00	3.00	0.50
	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	28-Jul-2014	28-Jul-2014		28-Jul-2014	28-Jul-2014	28-Jul-2014	28-Jul-2014			28-Jul-2014
EPH CWG (Aliphatic) GC (S)	25-Jul-2014	26-Jul-2014	28-Jul-2014	27-Jul-2014	26-Jul-2014	25-Jul-2014	25-Jul-2014	27-Jul-2014	25-Jul-2014	26-Jul-2014
EPH CWG (Aromatic) GC (S)	25-Jul-2014	26-Jul-2014	28-Jul-2014	27-Jul-2014	26-Jul-2014	25-Jul-2014	25-Jul-2014	27-Jul-2014	25-Jul-2014	26-Jul-2014
GRO by GC-FID (S)	24-Jul-2014	24-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	24-Jul-2014	24-Jul-2014	24-Jul-2014	25-Jul-2014	25-Jul-2014
Metals in solid samples by OES	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014
PAH by GCMS	21-Jul-2014	22-Jul-2014	22-Jul-2014	21-Jul-2014	22-Jul-2014	21-Jul-2014	22-Jul-2014	24-Jul-2014	24-Jul-2014	21-Jul-2014
pH	22-Jul-2014	22-Jul-2014	23-Jul-2014	22-Jul-2014	21-Jul-2014	22-Jul-2014	22-Jul-2014	18-Jul-2014	22-Jul-2014	22-Jul-2014
Sample description	17-Jul-2014	17-Jul-2014	16-Jul-2014	17-Jul-2014	17-Jul-2014	17-Jul-2014	17-Jul-2014	16-Jul-2014	16-Jul-2014	17-Jul-2014
Total Organic Carbon				22-Jul-2014		22-Jul-2014				
TPH CWG GC (S)	25-Jul-2014	26-Jul-2014	28-Jul-2014	28-Jul-2014	26-Jul-2014	25-Jul-2014	25-Jul-2014	28-Jul-2014	25-Jul-2014	26-Jul-2014

Lab Sample No(s) Customer Sample Ref. AGS Ref. Depth Type	9621936	9621942	9621946	9621910	9621913	9621793	9621798	9621721	9621725	9621730
	IP 530	IP 530	IP 530	IP 532	IP 532	IP 534	IP 534	IP 536	IP 536	IP 550
	0.50	2.50	4.50	0.50	1.50	0.50	1.00	0.50	1.50	0.50
	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	28-Jul-2014			28-Jul-2014		28-Jul-2014	28-Jul-2014	28-Jul-2014		28-Jul-2014
EPH CWG (Aliphatic) GC (S)	27-Jul-2014	27-Jul-2014	25-Jul-2014	27-Jul-2014	27-Jul-2014	25-Jul-2014	27-Jul-2014	25-Jul-2014	27-Jul-2014	29-Jul-2014
EPH CWG (Aromatic) GC (S)	27-Jul-2014	27-Jul-2014	25-Jul-2014	27-Jul-2014	27-Jul-2014	25-Jul-2014	27-Jul-2014	25-Jul-2014	27-Jul-2014	29-Jul-2014
GRO by GC-FID (S)	24-Jul-2014	24-Jul-2014	25-Jul-2014	25-Jul-2014	24-Jul-2014	24-Jul-2014	25-Jul-2014	24-Jul-2014	24-Jul-2014	25-Jul-2014
Metals in solid samples by OES	22-Jul-2014	22-Jul-2014	22-Jul-2014	21-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014
PAH by GCMS	21-Jul-2014	24-Jul-2014	24-Jul-2014	21-Jul-2014	25-Jul-2014	21-Jul-2014	21-Jul-2014	21-Jul-2014	24-Jul-2014	21-Jul-2014
pH	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	18-Jul-2014	22-Jul-2014	21-Jul-2014	22-Jul-2014	22-Jul-2014	21-Jul-2014
Sample description	17-Jul-2014	16-Jul-2014	16-Jul-2014	17-Jul-2014	16-Jul-2014	17-Jul-2014	17-Jul-2014	17-Jul-2014	18-Jul-2014	17-Jul-2014
TPH CWG GC (S)	28-Jul-2014	28-Jul-2014	25-Jul-2014	28-Jul-2014	28-Jul-2014	25-Jul-2014	28-Jul-2014	25-Jul-2014	28-Jul-2014	29-Jul-2014



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Lab Sample No(s) Customer Sample Ref. AGS Ref. Depth Type	9621735	9621807	9621811	9621816	9621926	9621932	9621906	9621887	9621891	9621896
	IP 550	IP 552	IP 552	IP 552	IP 555	IP 555	IP 556	IP 557	IP 557	IP 563
	1.50	0.20	0.50	1.00	0.50	4.50	0.50	0.50	1.50	0.50
	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples		28-Jul-2014	28-Jul-2014	28-Jul-2014	28-Jul-2014		28-Jul-2014	28-Jul-2014		28-Jul-2014
EPH CWG (Aliphatic) GC (S)	28-Jul-2014	27-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	26-Jul-2014	25-Jul-2014	27-Jul-2014	25-Jul-2014
EPH CWG (Aromatic) GC (S)	28-Jul-2014	27-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	26-Jul-2014	25-Jul-2014	27-Jul-2014	25-Jul-2014
GRO by GC-FID (S)	26-Jul-2014	24-Jul-2014	24-Jul-2014	24-Jul-2014	25-Jul-2014	24-Jul-2014	24-Jul-2014	24-Jul-2014	25-Jul-2014	25-Jul-2014
Metals in solid samples by OES	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	21-Jul-2014	22-Jul-2014	21-Jul-2014
PAH by GCMS	22-Jul-2014	21-Jul-2014	21-Jul-2014	21-Jul-2014	21-Jul-2014	24-Jul-2014	21-Jul-2014	22-Jul-2014	25-Jul-2014	22-Jul-2014
pH	18-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	18-Jul-2014	22-Jul-2014	22-Jul-2014	18-Jul-2014	22-Jul-2014
Sample description	16-Jul-2014	17-Jul-2014	17-Jul-2014	17-Jul-2014	18-Jul-2014	16-Jul-2014	17-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014
Total Organic Carbon			22-Jul-2014		22-Jul-2014		22-Jul-2014	22-Jul-2014		
TPH CWG GC (S)	28-Jul-2014	28-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	26-Jul-2014	25-Jul-2014	28-Jul-2014	25-Jul-2014

Lab Sample No(s) Customer Sample Ref. AGS Ref. Depth Type	9621917	9621822	9621828	9621832	9621836	9621864	9621868	9621874	9621879	9621883
	IP 564	IP 593	IP 593	IP 593	IP 593	IP 604	IP 604	IP 604	IP 604	IP 604
	1.00	0.50	1.00	1.50	2.00	0.50	2.50	3.50	5.00	6.00
	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	28-Jul-2014	28-Jul-2014	28-Jul-2014			28-Jul-2014				
EPH CWG (Aliphatic) GC (S)	25-Jul-2014	25-Jul-2014	27-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	27-Jul-2014	25-Jul-2014	25-Jul-2014
EPH CWG (Aromatic) GC (S)	25-Jul-2014	25-Jul-2014	27-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	27-Jul-2014	25-Jul-2014	25-Jul-2014
GRO by GC-FID (S)	24-Jul-2014	24-Jul-2014	25-Jul-2014	24-Jul-2014	24-Jul-2014	24-Jul-2014	24-Jul-2014	24-Jul-2014	24-Jul-2014	25-Jul-2014
Metals in solid samples by OES	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	21-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014
PAH by GCMS	21-Jul-2014	21-Jul-2014	21-Jul-2014	24-Jul-2014	24-Jul-2014	22-Jul-2014	24-Jul-2014	24-Jul-2014	05-Aug-2014	24-Jul-2014
pH	22-Jul-2014	22-Jul-2014	23-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	18-Jul-2014	18-Jul-2014	23-Jul-2014	18-Jul-2014
Sample description	17-Jul-2014	17-Jul-2014	17-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014	18-Jul-2014	16-Jul-2014	16-Jul-2014
TPH CWG GC (S)	25-Jul-2014	25-Jul-2014	28-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	28-Jul-2014	25-Jul-2014	25-Jul-2014

Lab Sample No(s) Customer Sample Ref. AGS Ref. Depth Type	9621849	9621856	9621860	9621307	9621312	9621316	9621320	9621324	9621328	9621337
	IP 605	IP 606	IP 606	TP 978	TP 978	TP 978	TPE817	TPE817	TPE817	TPE817
	0.50	0.50	3.00	0.50	1.50	2.50	0.50	1.50	2.50	3.50
	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	28-Jul-2014	28-Jul-2014		28-Jul-2014			28-Jul-2014			
EPH CWG (Aliphatic) GC (S)	27-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	28-Jul-2014	25-Jul-2014	26-Jul-2014	27-Jul-2014	27-Jul-2014	27-Jul-2014
EPH CWG (Aromatic) GC (S)	27-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	28-Jul-2014	25-Jul-2014	26-Jul-2014	27-Jul-2014	27-Jul-2014	27-Jul-2014
GRO by GC-FID (S)	26-Jul-2014	24-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014
Metals in solid samples by OES	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014
PAH by GCMS	21-Jul-2014	22-Jul-2014	24-Jul-2014	20-Jul-2014	24-Jul-2014	24-Jul-2014	21-Jul-2014	24-Jul-2014	24-Jul-2014	23-Jul-2014
pH	22-Jul-2014	23-Jul-2014	18-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	21-Jul-2014	23-Jul-2014	23-Jul-2014	23-Jul-2014
Sample description	17-Jul-2014	16-Jul-2014	16-Jul-2014	17-Jul-2014	16-Jul-2014	16-Jul-2014	17-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014
Total Organic Carbon	22-Jul-2014			22-Jul-2014			22-Jul-2014			
TPH CWG GC (S)	28-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	28-Jul-2014	25-Jul-2014	26-Jul-2014	28-Jul-2014	28-Jul-2014	28-Jul-2014

Lab Sample No(s) Customer Sample Ref. AGS Ref. Depth Type	9621343	9621347	9621351	9621293	9621298	9621302	9621287	9621972	9621980	9621984
	TPE870	TPE870	TPE870	TPE960	TPE960	TPE960	TPE961	TPE961	TPE961	TPE961
	0.50	1.50	2.50	0.50	1.50	2.50	3.50	0.50	1.50	2.50
	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	28-Jul-2014			28-Jul-2014				28-Jul-2014		
EPH CWG (Aliphatic) GC (S)	26-Jul-2014	27-Jul-2014	27-Jul-2014	25-Jul-2014	28-Jul-2014	28-Jul-2014	27-Jul-2014	26-Jul-2014	27-Jul-2014	27-Jul-2014
EPH CWG (Aromatic) GC (S)	26-Jul-2014	27-Jul-2014	27-Jul-2014	25-Jul-2014	28-Jul-2014	28-Jul-2014	27-Jul-2014	26-Jul-2014	27-Jul-2014	27-Jul-2014
GRO by GC-FID (S)	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	28-Jul-2014
Metals in solid samples by OES	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014
PAH by GCMS	21-Jul-2014	21-Jul-2014	23-Jul-2014	22-Jul-2014	24-Jul-2014	24-Jul-2014	24-Jul-2014	22-Jul-2014	24-Jul-2014	24-Jul-2014
pH	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014
Sample description	17-Jul-2014	16-Jul-2014	16-Jul-2014	17-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014	17-Jul-2014	16-Jul-2014	16-Jul-2014
Total Organic Carbon				22-Jul-2014				22-Jul-2014		
TPH CWG GC (S)	26-Jul-2014	28-Jul-2014	28-Jul-2014	25-Jul-2014	28-Jul-2014	28-Jul-2014	28-Jul-2014	26-Jul-2014	28-Jul-2014	28-Jul-2014



SDG: 140715-57
Job: H_ATKINS_LDC-241
Client Reference: CD0747

Location:
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0747
Report Number: 289664
Superseded Report: 279310

Lab Sample No(s) Customer Sample Ref. AGS Ref. Depth Type	9621956	9621960	9621964	9621968	9621356	9621360	9621365	9621369	9621376	9621420
	TPE969	TPE969	TPE969	TPE969	TPE1057	TPE1057	TPE1057	TPE1057	TPE1057	TPE1135
	0.50	1.50	2.50	3.50	0.50	1.50	2.50	3.50	4.50	0.50
	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	28-Jul-2014				28-Jul-2014					28-Jul-2014
EPH CWG (Aliphatic) GC (S)	25-Jul-2014	27-Jul-2014	28-Jul-2014	28-Jul-2014	27-Jul-2014	27-Jul-2014	25-Jul-2014	25-Jul-2014	27-Jul-2014	25-Jul-2014
EPH CWG (Aromatic) GC (S)	25-Jul-2014	27-Jul-2014	28-Jul-2014	28-Jul-2014	27-Jul-2014	27-Jul-2014	25-Jul-2014	25-Jul-2014	27-Jul-2014	25-Jul-2014
GRO by GC-FID (S)	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	26-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014
Metals in solid samples by OES	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014
PAH by GCMS	20-Jul-2014	21-Jul-2014	24-Jul-2014	24-Jul-2014	21-Jul-2014	24-Jul-2014	24-Jul-2014	25-Jul-2014	24-Jul-2014	22-Jul-2014
pH	23-Jul-2014	21-Jul-2014	18-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014
Sample description	17-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014	17-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014	17-Jul-2014
Total Organic Carbon					22-Jul-2014					
TPH CWG GC (S)	25-Jul-2014	28-Jul-2014	28-Jul-2014	28-Jul-2014	28-Jul-2014	28-Jul-2014	26-Jul-2014	25-Jul-2014	28-Jul-2014	25-Jul-2014

Lab Sample No(s) Customer Sample Ref. AGS Ref. Depth Type	9621425	9621402	9621406	9621380	9621388	9621394	9621398	9621460	9621465	9621470
	TPE1135	TPE1136	TPE1136	TPE1137	TPE1137	TPE1137	TPE1137	TPE1138	TPE1138	TPE1138
	1.50	0.50	1.20	0.50	1.50	2.50	3.50	0.50	1.50	2.50
	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples		28-Jul-2014		28-Jul-2014				28-Jul-2014		
EPH CWG (Aliphatic) GC (S)	28-Jul-2014	27-Jul-2014	25-Jul-2014	26-Jul-2014	25-Jul-2014	25-Jul-2014	27-Jul-2014	25-Jul-2014	25-Jul-2014	28-Jul-2014
EPH CWG (Aromatic) GC (S)	28-Jul-2014	27-Jul-2014	25-Jul-2014	26-Jul-2014	25-Jul-2014	25-Jul-2014	27-Jul-2014	25-Jul-2014	25-Jul-2014	28-Jul-2014
GRO by GC-FID (S)	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	24-Jul-2014	25-Jul-2014	25-Jul-2014
Metals in solid samples by OES	22-Jul-2014	22-Jul-2014	22-Jul-2014	21-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014
PAH by GCMS	24-Jul-2014	21-Jul-2014	21-Jul-2014	21-Jul-2014	24-Jul-2014	21-Jul-2014	24-Jul-2014	20-Jul-2014	21-Jul-2014	24-Jul-2014
pH	21-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	23-Jul-2014	22-Jul-2014	22-Jul-2014	21-Jul-2014
Sample description	16-Jul-2014	17-Jul-2014	16-Jul-2014	17-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014	17-Jul-2014	16-Jul-2014	16-Jul-2014
Total Organic Carbon		22-Jul-2014								
TPH CWG GC (S)	28-Jul-2014	28-Jul-2014	25-Jul-2014	26-Jul-2014	25-Jul-2014	25-Jul-2014	28-Jul-2014	25-Jul-2014	25-Jul-2014	28-Jul-2014

Lab Sample No(s) Customer Sample Ref. AGS Ref. Depth Type	9621475	9621479	9621431	9621441	9621446	9621450	9621455	9621412	9621416	9621483
	TPE1138	TPE1138	TPE1143	TPE1143	TPE1143	TPE1143	TPE1143	TPE1144	TPE1144	TPE1145
	3.50	4.50	0.50	1.50	2.50	3.50	4.50	0.50	2.00	0.50
	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples			28-Jul-2014					28-Jul-2014		28-Jul-2014
EPH CWG (Aliphatic) GC (S)	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	28-Jul-2014	28-Jul-2014	27-Jul-2014	25-Jul-2014	27-Jul-2014	25-Jul-2014
EPH CWG (Aromatic) GC (S)	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	28-Jul-2014	28-Jul-2014	27-Jul-2014	25-Jul-2014	27-Jul-2014	25-Jul-2014
GRO by GC-FID (S)	25-Jul-2014	24-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014
Metals in solid samples by OES	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014
PAH by GCMS	24-Jul-2014	24-Jul-2014	21-Jul-2014	21-Jul-2014	25-Jul-2014	24-Jul-2014	24-Jul-2014	22-Jul-2014	23-Jul-2014	22-Jul-2014
pH	21-Jul-2014	21-Jul-2014	22-Jul-2014	21-Jul-2014	21-Jul-2014	21-Jul-2014	21-Jul-2014	22-Jul-2014	23-Jul-2014	23-Jul-2014
Sample description	16-Jul-2014	16-Jul-2014	17-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014	17-Jul-2014	16-Jul-2014	17-Jul-2014
Total Organic Carbon			22-Jul-2014							22-Jul-2014
TPH CWG GC (S)	25-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	28-Jul-2014	28-Jul-2014	28-Jul-2014	25-Jul-2014	28-Jul-2014	25-Jul-2014

Lab Sample No(s) Customer Sample Ref. AGS Ref. Depth Type	9621492	9621497	9621506	9621502	9621515	9621510
	TPE1145	TPE1146	TPE1217	TPE1218	TPE1228	TPE1229
	1.70	0.50	0.50	0.50	0.50	0.50
	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples		28-Jul-2014	28-Jul-2014	28-Jul-2014	28-Jul-2014	28-Jul-2014
EPH CWG (Aliphatic) GC (S)	28-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	26-Jul-2014	25-Jul-2014
EPH CWG (Aromatic) GC (S)	28-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	26-Jul-2014	25-Jul-2014
GRO by GC-FID (S)	24-Jul-2014	24-Jul-2014	25-Jul-2014	24-Jul-2014	24-Jul-2014	25-Jul-2014
Metals in solid samples by OES	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014	22-Jul-2014
PAH by GCMS	25-Jul-2014	20-Jul-2014	24-Jul-2014	20-Jul-2014	21-Jul-2014	22-Jul-2014
pH	21-Jul-2014	23-Jul-2014	23-Jul-2014	23-Jul-2014	23-Jul-2014	23-Jul-2014
Sample description	16-Jul-2014	17-Jul-2014	17-Jul-2014	17-Jul-2014	17-Jul-2014	17-Jul-2014
Total Organic Carbon					22-Jul-2014	
TPH CWG GC (S)	28-Jul-2014	25-Jul-2014	25-Jul-2014	25-Jul-2014	26-Jul-2014	25-Jul-2014



SDG: 140715-57
Job: H_ATKINS_LDC-241
Client Reference: CD0747

Location:
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0747
Report Number: 289664
Superseded Report: 279310

Appendix General

1. Results are expressed on a dry weight basis (dried at 35°C) for all soil analyses except for the following: NRA and CEN Leach tests, flash point LOI, pH, ammonium as NH₄ by the BRE method, VOC TICS and SVOC TICS.

2. Samples will be run in duplicate upon request, but an additional charge may be incurred

3. If sufficient sample is received a sub sample will be retained free of charge for 30 days after analysis is completed (e-mailed) for all sample types unless the sample is destroyed on testing. The prepared soil sub sample that is analysed for asbestos will be retained for a period of 6 months after the analysis date. All bulk samples will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALcontrol Laboratories reserve the right to charge for samples received and stored but not analysed.

4. With respect to turnaround, we will always endeavour to meet client requirements wherever possible, but turnaround times cannot be absolutely guaranteed due to so many variables beyond our control.

5. We take responsibility for any test performed by sub-contractors (marked with an asterisk). We endeavour to use UKAS/MCERTS Accredited Laboratories, who either complete a quality questionnaire or are audited by ourselves. For some determinands there are no UKAS/MCERTS Accredited Laboratories, in this instance a laboratory with a known track record will be utilised.

6. When requested, the individual sub sample scheduled will be analysed in house for the presence of asbestos fibres and asbestos containing material by our documented in house method TM048 based on HSG 248 (2005), which is accredited to ISO17025. If a specific asbestos fibre type is not found this will be reported as "Not detected". If no asbestos fibre types are found all will be reported as "Not detected" and the sub sample analysed deemed to be clear of asbestos. If an asbestos fibre type is found it will be reported as detected (for each fibre type found). Testing can be carried out on asbestos positive samples, but, due to Health and Safety considerations, may be replaced by alternative tests or reported as No Determination Possible. The quantity of asbestos present is not determined unless specifically requested.

7. If no separate volatile sample is supplied by the client, or if a headspace or sediment is present in the volatile sample, the integrity of the data may be compromised. This will be flagged up as an invalid VOC on the test schedule and the result marked as deviating on the test certificate.

8. If appropriate preserved bottles are not received preservation will take place on receipt. However, the integrity of the data may be compromised.

9. NDP -No determination possible due to insufficient/unsuitable sample.

10. Metals in water are performed on a filtered sample, and therefore represent dissolved metals -total metals must be requested separately.

11. Results relate only to the items tested.

12. LODs for wet tests reported on a dry weight basis are not corrected for moisture content.

13. **Surrogate recoveries** -Most of our organic methods include surrogates, the recovery of which is monitored and reported. For EPH, MO, PAH, GRO and VOCs on soils the result is not surrogate corrected, but a percentage recovery is quoted. Acceptable limits for most organic methods are 70 -130 %.

14. **Product analyses** -Organic analyses on products can only be semi-quantitative due to the matrix effects and high dilution factors employed.

15. Phenols monohydric by HPLC include phenol, cresols (2-Methylphenol, 3-Methylphenol and 4-Methylphenol) and Xylenols (2,3 Dimethylphenol, 2,4 Dimethylphenol, 2,5 Dimethylphenol, 2,6 Dimethylphenol, 3,4 Dimethylphenol, 3,5 Dimethylphenol).

16. Total of 5 speciated phenols by HPLC includes Phenol, 2,3,5-Trimethyl Phenol, 2-Isopropylphenol, Cresols and Xylenols (as detailed in 15).

17. Stones/debris are not routinely removed. We always endeavour to take a representative sub sample from the received sample.

18. In certain circumstances the method detection limit may be elevated due to the sample being outside the calibration range. Other factors that may contribute to this include possible interferences. In both cases the sample would be diluted which would cause the method detection limit to be raised.

19. Mercury results quoted on soils will not include volatile mercury as the analysis is performed on a dried and crushed sample.

20. For the BSEN 12457-3 two batch process to allow the cumulative release to be calculated, the volume of the leachate produced is measured and filtered for all tests. We therefore cannot carry out any unfiltered analysis. The tests affected include volatiles GCFID/GCMS and all subcontracted analysis.

21. For all leachate preparations (NRA, DIN, TCLP, BSEN 12457-1, 2, 3) volatile loss may occur, as we do not employ zero headspace extraction.

22. We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample. Other coarse granular material such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

23. Analysis and identification of specific compounds using GCFID is by retention time only, and we routinely calibrate and quantify for benzene, toluene, ethylbenzenes and xylenes (BTEX). For total volatiles in the C5 -C12 range, the total area of the chromatogram is integrated and expressed as ug/kg or ug/l. Although this analysis is commonly used for the quantification of gasoline range organics (GRO), the system will also detect other compounds such as chlorinated solvents, and this may lead to a falsely high result with respect to hydrocarbons only. It is not possible to specifically identify these non-hydrocarbons, as standards are not routinely run for any other compounds, and for more definitive identification, volatiles by GCMS should be utilised.

Sample Deviations

1	Container with Headspace provided for volatiles analysis
2	Incorrect container received
3	Deviation from method
4	Holding time exceeded before sample received
5	Samples exceeded holding time before preservation was performed
\$	Sampled on date not provided
♦	Sample holding time exceeded in laboratory
@	Sample holding time exceeded due to sampled on date
&	Sample Holding Time exceeded - Late arrival of instructions.

Asbestos

Identification of Asbestos in Bulk Materials & Soils

The results for identification of asbestos in bulk materials are obtained from supplied bulk materials which have been examined to determine the presence of asbestos fibres using Alcontrol Laboratories (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

The results for identification of asbestos in soils are obtained from a homogenised sub sample which has been examined to determine the presence of asbestos fibres using Alcontrol Laboratories (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

Asbestos Type	Common Name
Chrysotile	White Asbestos
Amosite	Brown Asbestos
Crocidolite	Blue Asbestos
Fibrous Actinolite	-
Fibrous Anthophyllite	-
Fibrous Tremolite	-

Visual Estimation Of Fibre Content

Estimation of fibre content is not permitted as part of our UKAS accredited test other than:
 - Trace - Where only one or two asbestos fibres were identified.

Further guidance on typical asbestos fibre content of manufactured products can be found in HSG 264.

The identification of asbestos containing materials and soils falls within our schedule of tests for which we hold UKAS accreditation, however opinions, interpretations and all other information contained in the report are outside the scope of UKAS accreditation.



Atkins Global Ltd
Project Jonah site office
Llan Coed House
Suite 24
Coed Darcy
Llandarcy
SA10 6HJ

Attention: Jack Lowrie

CERTIFICATE OF ANALYSIS

Date: 23 October 2014
Customer: H_ATKINS_LDC
Sample Delivery Group (SDG): 140712-79
Your Reference: Site Wide Trial Pitting
Location: Coed Darcy
Report No: 289029

This report has been revised and directly supersedes 279167 in its entirety.

We received 130 samples on Saturday July 12, 2014 and 130 of these samples were scheduled for analysis which was completed on Monday August 04, 2014. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

Should this report require incorporation into client reports, it must be used in its entirety and not simply with the data sections alone.

All chemical testing (unless subcontracted) is performed at ALcontrol Hawarden Laboratories.

Approved By:

Sonia McWhan

Operations Manager





SDG: 140712-79
Job: H_ATKINS_LDC-224
Client Reference: Site Wide Trial Pitting

Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0744
Report Number: 289029
Superseded Report: 279167

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
9610429	IP 220		0.50	10/07/2014
9610434	IP 220		1.50	10/07/2014
9610273	IP 234		0.50	10/07/2014
9610277	IP 234		1.50	10/07/2014
9610281	IP 234		2.00	10/07/2014
9610285	IP 235		0.50	10/07/2014
9610289	IP 235		1.50	10/07/2014
9610261	IP 236		0.50	10/07/2014
9610265	IP 236		1.50	10/07/2014
9610269	IP 236		3.00	10/07/2014
9610257	IP 237		0.50	10/07/2014
9610241	IP 237		1.50	10/07/2014
9610251	IP 237		1.51	10/07/2014
9610398	IP 255		0.50	10/07/2014
9610412	IP 255		1.50	10/07/2014
9610416	IP 257		0.50	10/07/2014
9610363	IP 258		0.30	10/07/2014
9610367	IP 258		2.00	10/07/2014
9610375	IP 258		3.00	10/07/2014
9610355	IP 279		0.50	10/07/2014
9610359	IP 279		1.50	10/07/2014
9610381	IP 280		1.00	10/07/2014
9610385	IP 280		2.00	10/07/2014
9610389	IP 281		1.00	10/07/2014
9610393	IP 281		2.00	10/07/2014
9610420	IP 287		0.50	10/07/2014
9610424	IP 287		1.00	10/07/2014
9610237	IP 289		0.50	10/07/2014
9610219	IP 310		0.50	10/07/2014
9610224	IP 310		1.50	10/07/2014
9610228	IP 310		2.50	10/07/2014
9610232	IP 310		3.50	10/07/2014
9610343	IP 311		0.50	10/07/2014
9610347	IP 311		1.00	10/07/2014
9610326	IP 321		0.50	10/07/2014
9610330	IP 321		1.50	10/07/2014
9610335	IP 321		2.50	10/07/2014
9610322	IP 322		0.00 - 0.00	10/07/2014
9610318	IP 322		0.50	10/07/2014
9610303	IP 323		0.50	10/07/2014
9610307	IP 323		1.50	10/07/2014
9610311	IP 323		2.00	10/07/2014
9610089	IP 462		0.50	10/07/2014
9610099	IP 462		1.50	10/07/2014
9610105	IP 462		2.50	10/07/2014
9610016	IP 463		0.20	10/07/2014
9609807	IP 464		0.20	10/07/2014
9610084	IP 471		0.50	10/07/2014
9610193	IP 472		0.50	10/07/2014
9610245	IP 472		0.80	10/07/2014
9610294	IP 472		1.50	10/07/2014
9610072	IP 473		1.00	10/07/2014
9610131	IP 473		2.00	10/07/2014
9610186	IP 477		0.50	10/07/2014
9610198	IP 477		1.50	10/07/2014
9610167	IP 478		0.50	10/07/2014



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SDG: 140712-79
Job: H_ATKINS_LDC-224
Client Reference: Site Wide Trial Pitting

Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Jack Lowrie

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9610171	IP 478	1.50	10/07/2014
9610175	IP 478	2.50	10/07/2014
9610179	IP 478	3.10	10/07/2014
9610351	IP 481	1.00	10/07/2014
9610405	IP 481	1.80	10/07/2014
9609811	IP 481	2.00	10/07/2014
9609923	IP 482	0.50	10/07/2014
9609975	IP 482	1.50	10/07/2014
9609986	IP 482	2.50	10/07/2014
9609861	IP491	0.50	10/07/2014
9609993	IP 492	0.40	10/07/2014
9609997	IP 492	1.40	10/07/2014
9610001	IP 492	1.70	10/07/2014
9610005	IP 492	2.40	10/07/2014
9610204	IP 498	0.50	10/07/2014
9610208	IP 498	1.50	10/07/2014
9610213	IP 498	2.50	10/07/2014
9610144	IP 499	0.50	10/07/2014
9610148	IP 499	1.50	10/07/2014
9610155	IP 499	2.50	10/07/2014
9610161	IP 499	3.50	10/07/2014
9610109	IP 500	0.50	10/07/2014
9610114	IP 500	1.50	10/07/2014
9610119	IP 500	2.50	10/07/2014
9610124	IP 500	3.50	10/07/2014
9610136	IP 500	4.50	10/07/2014
9610011	IP 502	1.00	10/07/2014
9610022	IP 502	2.20	10/07/2014
9610027	IP 502	2.70	10/07/2014
9610032	IP 502	3.50	10/07/2014
9610047	IP 523	1.50	10/07/2014
9610051	IP 523	2.50	10/07/2014
9610055	IP 523	3.00	10/07/2014
9610060	IP 523	3.50	10/07/2014
9610037	IP 524	1.00	10/07/2014
9610064	IP 533	2.00	10/07/2014
9610068	IP 533	3.00	10/07/2014
9610076	IP 533	3.50	10/07/2014
9610080	IP 533	4.00	10/07/2014
9609961	TP 968	0.50	10/07/2014
9609965	TP 968	1.50	10/07/2014
9609970	TP 968	2.50	10/07/2014
9609981	TP 968	3.50	10/07/2014
9610439	TP 971	0.50	10/07/2014
9610443	TP 971	1.50	10/07/2014
9610450	TP 971	2.50	10/07/2014
9610454	TP 971	3.40	10/07/2014
9609888	TP 1047	0.50	10/07/2014
9609895	TP 1047	1.50	10/07/2014
9609903	TP 1047	2.50	10/07/2014
9609907	TP 1048	0.50	10/07/2014
9609914	TP 1048	1.50	10/07/2014
9609918	TP 1048	2.50	10/07/2014
9609928	TP 1048	3.50	10/07/2014
9609932	TP 1048	4.00	10/07/2014
9609936	TP 1049	0.50	10/07/2014
9609941	TP 1049	1.50	10/07/2014
9609945	TP 1049	2.50	10/07/2014
9609952	TP 1049	3.50	10/07/2014



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9609957	TP 1049	4.50	10/07/2014
9609882	TP 1058	4.50	10/07/2014
9609816	TPE1046	0.50	10/07/2014
9609820	TPE1046	1.50	10/07/2014
9609824	TPE1046	2.50	10/07/2014
9609828	TPE1046	3.50	10/07/2014
9609857	TPE1058	0.50	10/07/2014
9609865	TPE1058	1.50	10/07/2014
9609871	TPE1058	2.50	10/07/2014
9609877	TPE1058	3.50	10/07/2014
9609844	TPE1059	0.50	10/07/2014
9609849	TPE1059	1.50	10/07/2014
9609853	TPE1059	2.60	10/07/2014
9609835	TPE1060	0.50	10/07/2014
9609840	TPE1060	1.50	10/07/2014

Only received samples which have had analysis scheduled will be shown on the following pages.



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Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Jack Lowrie

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Report Number: 289029
Superseded Report: 279167

SOLID Results Legend X Test N No Determination Possible	Lab Sample No(s)		Customer Sample Reference		AGS Reference		Depth (m)		Container	
	9610398	IP 255					0.50		250g Amber Jar	
	9610251	IP 237					1.51		60g VOC (ALE215) 400g Tub (ALE214)	
	9610241	IP 237					1.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9610257	IP 237					0.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9610269	IP 236					3.00		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9610265	IP 236					1.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9610261	IP 236					0.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9610289	IP 235					1.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9610285	IP 235					0.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9610281	IP 234					2.00		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9610277	IP 234					1.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9610273	IP 234					0.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9610434	IP 220					1.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9610429	IP 220					0.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 46								
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 130								
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 130								
GRO by GC-FID (S)	All	NDPs: 0 Tests: 130								
Metals in solid samples by OES	All	NDPs: 0 Tests: 130								
PAH by GCMS	All	NDPs: 0 Tests: 130								
pH	All	NDPs: 0 Tests: 130								
Sample description	All	NDPs: 0 Tests: 127								
Total Organic Carbon	All	NDPs: 0 Tests: 20								
TPH CWG GC (S)	All	NDPs: 0 Tests: 130								



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Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Jack Lowrie

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Report Number: 289029
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SOLID Results Legend	Lab Sample No(s)		Customer Sample Reference		AGS Reference		Depth (m)		Container	
	 Test		 No Determination Possible							
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 46								
Asbestos Quantification - Full	All	NDPs: 0 Tests: 3								
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 130								
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 130								
GRO by GC-FID (S)	All	NDPs: 0 Tests: 130								
Metals in solid samples by OES	All	NDPs: 0 Tests: 130								
PAH by GCMS	All	NDPs: 0 Tests: 130								
pH	All	NDPs: 0 Tests: 130								
Sample description	All	NDPs: 0 Tests: 127								
Total Organic Carbon	All	NDPs: 0 Tests: 20								
TPH CWG GC (S)	All	NDPs: 0 Tests: 130								



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SOLID Results Legend X Test N No Determination Possible	Lab Sample No(s)		Customer Sample Reference		AGS Reference		Depth (m)		Container	
	9610424		IP 287				1.00		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
	9610237		IP 289				0.50		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
	9610219		IP 310				0.50		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
	9610224		IP 310				1.50		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
	9610228		IP 310				2.50		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
	9610232		IP 310				3.50		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
	9610343		IP 311				0.50		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
	9610347		IP 311				1.00		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
	9610326		IP 321				0.50		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
	9610330		IP 321				1.50		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
	9610335		IP 321				2.50		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
	9610322		IP 322				0.00 - 0.00		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
	9610318		IP 322				0.50		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
	9610303		IP 323				0.50		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 46								
Asbestos Quantification - Full	All	NDPs: 0 Tests: 3								
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 130								
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 130								
GRO by GC-FID (S)	All	NDPs: 0 Tests: 130								
Metals in solid samples by OES	All	NDPs: 0 Tests: 130								
PAH by GCMS	All	NDPs: 0 Tests: 130								
pH	All	NDPs: 0 Tests: 130								
Sample description	All	NDPs: 0 Tests: 127								
Total Organic Carbon	All	NDPs: 0 Tests: 20								
TPH CWG GC (S)	All	NDPs: 0 Tests: 130								



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SOLID Results Legend X Test N No Determination Possible	Lab Sample No(s)		Customer Sample Reference		AGS Reference		Depth (m)		Container	
	9610186	IP 477					0.50		250g Amber Jar	
	9610131	IP 473					2.00		60g VOC (ALE215) 400g Tub (ALE214)	
	9610072	IP 473					1.00		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9610294	IP 472					1.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9610245	IP 472					0.80		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9610193	IP 472					0.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9610084	IP 471					0.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9609807	IP 464					0.20		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9610016	IP 463					0.20		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9610105	IP 462					2.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9610099	IP 462					1.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9610089	IP 462					0.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9610311	IP 323					2.00		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9610307	IP 323					1.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 46								
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 130								
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 130								
GRO by GC-FID (S)	All	NDPs: 0 Tests: 130								
Metals in solid samples by OES	All	NDPs: 0 Tests: 130								
PAH by GCMS	All	NDPs: 0 Tests: 130								
pH	All	NDPs: 0 Tests: 130								
Sample description	All	NDPs: 0 Tests: 127								
Total Organic Carbon	All	NDPs: 0 Tests: 20								
TPH CWG GC (S)	All	NDPs: 0 Tests: 130								



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SOLID Results Legend X Test N No Determination Possible	Lab Sample No(s)		Customer Sample Reference		AGS Reference		Depth (m)		Container	
	9609993		IP 492				0.40		400g Tub (ALE214)	
	9609861		IP491				0.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9609986		IP 482				2.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9609975		IP 482				1.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9609923		IP 482				0.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9609811		IP 481				2.00		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9610405		IP 481				1.80		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9610351		IP 481				1.00		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9610179		IP 478				3.10		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9610175		IP 478				2.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9610171		IP 478				1.50		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
	9610167		IP 478				0.50		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
	9610198		IP 477				1.50		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
	9610186		IP 477				0.50		60g VOC (ALE215) 400g Tub (ALE214)	
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 46	X						X	
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 130			X					
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 130		X						
GRO by GC-FID (S)	All	NDPs: 0 Tests: 130		X						
Metals in solid samples by OES	All	NDPs: 0 Tests: 130		X						
PAH by GCMS	All	NDPs: 0 Tests: 130		X						
pH	All	NDPs: 0 Tests: 130	X							
Sample description	All	NDPs: 0 Tests: 127		X						
Total Organic Carbon	All	NDPs: 0 Tests: 20							X	
TPH CWG GC (S)	All	NDPs: 0 Tests: 130		X						

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SOLID Results Legend X Test N No Determination Possible	Lab Sample No(s)		Customer Sample Reference		AGS Reference		Depth (m)		Container	
	9610076	IP 533					3.50		250g Amber Jar	
	9610068	IP 533					3.00		60g VOC (ALE215) 400g Tub (ALE214)	
	9610064	IP 533					2.00		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9610037	IP 524					1.00		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9610060	IP 523					3.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9610055	IP 523					3.00		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9610051	IP 523					2.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9610047	IP 523					1.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9610032	IP 502					3.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9610027	IP 502					2.70		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9610022	IP 502					2.20		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9610011	IP 502					1.00		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9610136	IP 500					4.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	9610124	IP 500					3.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 46								
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 130								
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 130								
GRO by GC-FID (S)	All	NDPs: 0 Tests: 130								
Metals in solid samples by OES	All	NDPs: 0 Tests: 130								
PAH by GCMS	All	NDPs: 0 Tests: 130								
pH	All	NDPs: 0 Tests: 130								
Sample description	All	NDPs: 0 Tests: 127								
Total Organic Carbon	All	NDPs: 0 Tests: 20								
TPH CWG GC (S)	All	NDPs: 0 Tests: 130								



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SOLID Results Legend X Test N No Determination Possible	Lab Sample No(s)		Customer Sample Reference		AGS Reference		Depth (m)		Container	
	9610076		IP 533				3.50		400g Tub (ALE214) 250g Amber Jar 60g VOC (ALE215)	
	9610080		IP 533				4.00		400g Tub (ALE214) 250g Amber Jar 60g VOC (ALE215)	
	9609961		TP 968				0.50		400g Tub (ALE214) 250g Amber Jar 60g VOC (ALE215)	
	9609965		TP 968				1.50		400g Tub (ALE214) 250g Amber Jar 60g VOC (ALE215)	
	9609970		TP 968				2.50		400g Tub (ALE214) 250g Amber Jar 60g VOC (ALE215)	
	9609981		TP 968				3.50		400g Tub (ALE214) 250g Amber Jar 60g VOC (ALE215)	
	9610439		TP 971				0.50		400g Tub (ALE214) 250g Amber Jar 60g VOC (ALE215)	
	9610443		TP 971				1.50		400g Tub (ALE214) 250g Amber Jar 60g VOC (ALE215)	
	9610450		TP 971				2.50		400g Tub (ALE214) 250g Amber Jar 60g VOC (ALE215)	
	9610454		TP 971				3.40		400g Tub (ALE214) 250g Amber Jar 60g VOC (ALE215)	
	9609888		TP 1047				0.50		400g Tub (ALE214) 250g Amber Jar 60g VOC (ALE215)	
	9609895		TP 1047				1.50		400g Tub (ALE214) 250g Amber Jar 60g VOC (ALE215)	
	9609903		TP 1047				2.50		400g Tub (ALE214) 250g Amber Jar 60g VOC (ALE215)	
	9609907		TP 1048				0.50		400g Tub (ALE214) 250g Amber Jar 60g VOC (ALE215)	
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 46								
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 130								
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 130								
GRO by GC-FID (S)	All	NDPs: 0 Tests: 130								
Metals in solid samples by OES	All	NDPs: 0 Tests: 130								
PAH by GCMS	All	NDPs: 0 Tests: 130								
pH	All	NDPs: 0 Tests: 130								
Sample description	All	NDPs: 0 Tests: 127								
Total Organic Carbon	All	NDPs: 0 Tests: 20								
TPH CWG GC (S)	All	NDPs: 0 Tests: 130								



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SOLID Results Legend X Test N No Determination Possible	Lab Sample No(s)		Customer Sample Reference		AGS Reference		Depth (m)		Container	
	9609824	TPF 1046					2.50		60g VOC (ALE215)	
	9609820	TPE 1046					1.50		400g Tub (ALE214)	
	9609816	TPE 1046					0.50		250g Amber Jar	
	9609882	TP 1058					4.50		60g VOC (ALE215)	
Asbestos ID in Solid Samples	9609907	TP 1048					0.50		400g Tub (ALE214)	
	9609914	TP 1048					1.50		250g Amber Jar	
	9609918	TP 1048					2.50		60g VOC (ALE215)	
	9609928	TP 1048					3.50		400g Tub (ALE214)	
	9609932	TP 1048					4.00		250g Amber Jar	
	9609936	TP 1049					0.50		60g VOC (ALE215)	
	9609941	TP 1049					1.50		400g Tub (ALE214)	
	9609945	TP 1049					2.50		250g Amber Jar	
	9609952	TP 1049					3.50		60g VOC (ALE215)	
	9609957	TP 1049					4.50		400g Tub (ALE214)	
EPH CWG (Aliphatic) GC (S)	9609824	TPF 1046					2.50		250g Amber Jar	
	9609820	TPE 1046					1.50		60g VOC (ALE215)	
	9609816	TPE 1046					0.50		400g Tub (ALE214)	
	9609882	TP 1058					4.50		250g Amber Jar	
	9609907	TP 1048					0.50		60g VOC (ALE215)	
	9609914	TP 1048					1.50		400g Tub (ALE214)	
	9609918	TP 1048					2.50		250g Amber Jar	
	9609928	TP 1048					3.50		60g VOC (ALE215)	
	9609932	TP 1048					4.00		400g Tub (ALE214)	
	9609936	TP 1049					0.50		250g Amber Jar	
EPH CWG (Aromatic) GC (S)	9609824	TPF 1046					2.50		60g VOC (ALE215)	
	9609820	TPE 1046					1.50		400g Tub (ALE214)	
	9609816	TPE 1046					0.50		250g Amber Jar	
	9609882	TP 1058					4.50		60g VOC (ALE215)	
	9609907	TP 1048					0.50		400g Tub (ALE214)	
	9609914	TP 1048					1.50		250g Amber Jar	
	9609918	TP 1048					2.50		60g VOC (ALE215)	
	9609928	TP 1048					3.50		400g Tub (ALE214)	
	9609932	TP 1048					4.00		250g Amber Jar	
	9609936	TP 1049					0.50		60g VOC (ALE215)	
GRO by GC-FID (S)	9609824	TPF 1046					2.50		400g Tub (ALE214)	
	9609820	TPE 1046					1.50		250g Amber Jar	
	9609816	TPE 1046					0.50		60g VOC (ALE215)	
	9609882	TP 1058					4.50		400g Tub (ALE214)	
	9609907	TP 1048					0.50		250g Amber Jar	
	9609914	TP 1048					1.50		60g VOC (ALE215)	
	9609918	TP 1048					2.50		400g Tub (ALE214)	
	9609928	TP 1048					3.50		250g Amber Jar	
	9609932	TP 1048					4.00		60g VOC (ALE215)	
	9609936	TP 1049					0.50		400g Tub (ALE214)	
Metals in solid samples by OES	9609824	TPF 1046					2.50		250g Amber Jar	
	9609820	TPE 1046					1.50		60g VOC (ALE215)	
	9609816	TPE 1046					0.50		400g Tub (ALE214)	
	9609882	TP 1058					4.50		250g Amber Jar	
	9609907	TP 1048					0.50		60g VOC (ALE215)	
	9609914	TP 1048					1.50		400g Tub (ALE214)	
	9609918	TP 1048					2.50		250g Amber Jar	
	9609928	TP 1048					3.50		60g VOC (ALE215)	
	9609932	TP 1048					4.00		400g Tub (ALE214)	
	9609936	TP 1049					0.50		250g Amber Jar	
PAH by GCMS	9609824	TPF 1046					2.50		60g VOC (ALE215)	
	9609820	TPE 1046					1.50		400g Tub (ALE214)	
	9609816	TPE 1046					0.50		250g Amber Jar	
	9609882	TP 1058					4.50		60g VOC (ALE215)	
	9609907	TP 1048					0.50		400g Tub (ALE214)	
	9609914	TP 1048					1.50		250g Amber Jar	
	9609918	TP 1048					2.50		60g VOC (ALE215)	
	9609928	TP 1048					3.50		400g Tub (ALE214)	
	9609932	TP 1048					4.00		250g Amber Jar	
	9609936	TP 1049					0.50		60g VOC (ALE215)	
pH	9609824	TPF 1046					2.50		400g Tub (ALE214)	
	9609820	TPE 1046					1.50		250g Amber Jar	
	9609816	TPE 1046					0.50		60g VOC (ALE215)	
	9609882	TP 1058					4.50		400g Tub (ALE214)	
	9609907	TP 1048					0.50		250g Amber Jar	
	9609914	TP 1048					1.50		60g VOC (ALE215)	
	9609918	TP 1048					2.50		400g Tub (ALE214)	
	9609928	TP 1048					3.50		250g Amber Jar	
	9609932	TP 1048					4.00		60g VOC (ALE215)	
	9609936	TP 1049					0.50		400g Tub (ALE214)	
Sample description	9609824	TPF 1046					2.50		250g Amber Jar	
	9609820	TPE 1046					1.50		60g VOC (ALE215)	
	9609816	TPE 1046					0.50		400g Tub (ALE214)	
	9609882	TP 1058					4.50		250g Amber Jar	
	9609907	TP 1048					0.50		60g VOC (ALE215)	
	9609914	TP 1048					1.50		400g Tub (ALE214)	
	9609918	TP 1048					2.50		250g Amber Jar	
	9609928	TP 1048					3.50		60g VOC (ALE215)	
	9609932	TP 1048					4.00		400g Tub (ALE214)	
	9609936	TP 1049					0.50		250g Amber Jar	
Total Organic Carbon	9609824	TPF 1046					2.50		60g VOC (ALE215)	
	9609820	TPE 1046					1.50		400g Tub (ALE214)	
	9609816	TPE 1046					0.50		250g Amber Jar	
	9609882	TP 1058					4.50		60g VOC (ALE215)	
	9609907	TP 1048					0.50		400g Tub (ALE214)	
	9609914	TP 1048					1.50		250g Amber Jar	
	9609918	TP 1048					2.50		60g VOC (ALE215)	
	9609928	TP 1048					3.50		400g Tub (ALE214)	
	9609932	TP 1048					4.00		250g Amber Jar	
	9609936	TP 1049					0.50		60g VOC (ALE215)	
TPH CWG GC (S)	9609824	TPF 1046					2.50		400g Tub (ALE214)	
	9609820	TPE 1046					1.50		250g Amber Jar	
	9609816	TPE 1046					0.50		60g VOC (ALE215)	
	9609882	TP 1058					4.50		400g Tub (ALE214)	
	9609907	TP 1048					0.50		250g Amber Jar	
	9609914	TP 1048					1.50		60g VOC (ALE215)	
	9609918	TP 1048					2.50		400g Tub (ALE214)	
	9609928	TP 1048					3.50		250g Amber Jar	
	9609932	TP 1048					4.00		60g VOC (ALE215)	
	9609936	TP 1049					0.50		400g Tub (ALE214)	



SDG: 140712-79
Job: H_ATKINS_LDC-224
Client Reference: Site Wide Trial Pitting

Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0744
Report Number: 289029
Superseded Report: 279167

SOLID Results Legend X Test N No Determination Possible	Lab Sample No(s)		Customer Sample Reference		AGS Reference		Depth (m)		Container	
	9609828		TPE 1046				3.50		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
	9609857		TPE 1058				0.50		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
	9609865		TPE 1058				1.50		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
	9609871		TPE 1058				2.50		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
	9609877		TPE 1058				3.50		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
	9609844		TPE 1059				0.50		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
	9609849		TPE 1059				1.50		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
	9609853		TPE 1059				2.60		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
	9609835		TPE 1060				0.50		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
	9609840		TPE 1060				1.50		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 46								
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 130								
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 130								
GRO by GC-FID (S)	All	NDPs: 0 Tests: 130								
Metals in solid samples by OES	All	NDPs: 0 Tests: 130								
PAH by GCMS	All	NDPs: 0 Tests: 130								
pH	All	NDPs: 0 Tests: 130								
Sample description	All	NDPs: 0 Tests: 127								
Total Organic Carbon	All	NDPs: 0 Tests: 20								
TPH CWG GC (S)	All	NDPs: 0 Tests: 130								



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Sample Descriptions

Grain Sizes

very fine	<0.063mm	fine	0.063mm - 0.1mm	medium	0.1mm - 2mm	coarse	2mm - 10mm	very coarse	>10mm
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Lab Sample No(s)	Customer Sample Ref.	Depth (m)	Colour	Description	Grain size	Inclusions	Inclusions 2
9609861	IP491	0.50	Dark Brown	Sand	0.1 - 2 mm	Stones	Vegetation
9610429	IP 220	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
9610434	IP 220	1.50	Dark Brown	Sand	0.1 - 2 mm	Stones	Oil/Petroleum
9610273	IP 234	0.50	Dark Brown	Silt Loam	0.063 - 0.1 mm	Vegetation	Stones
9610277	IP 234	1.50	Dark Brown	Clay Loam	0.063 - 0.1 mm	Vegetation	Stones
9610281	IP 234	2.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Vegetation	Stones
9610285	IP 235	0.50	Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones	Vegetation
9610289	IP 235	1.50	Black	Stone/Soil	2 - 10 mm	Oil/Petroleum	None
9610261	IP 236	0.50	Beige	Silt Loam	0.063 - 0.1 mm	Stones	Vegetation
9610265	IP 236	1.50	Dark Brown	Silt Loam	0.063 - 0.1 mm	Stones	Brick
9610269	IP 236	3.00	Dark Brown	Silt Loam	0.063 - 0.1 mm	Stones	N/A
9610241	IP 237	1.50	Dark Brown	Loamy Sand	0.063 - 0.1 mm	Stones	Vegetation
9610251	IP 237	1.51	Dark Brown	Gravel	2 - 10 mm	Stones	N/A
9610257	IP 237	0.50	Beige	Silt Loam	0.063 - 0.1 mm	Stones	Vegetation
9610398	IP 255	0.50	Beige	Sandy Clay Loam	0.1 - 2 mm	Stones	Crushed Brick
9610412	IP 255	1.50	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	None
9610416	IP 257	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9610363	IP 258	0.30	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Vegetation	Stones
9610367	IP 258	2.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9610375	IP 258	3.00	Black	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9610355	IP 279	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9610359	IP 279	1.50	Dark Brown	Stone/Soil	0.1 - 2 mm	Stones	None
9610381	IP 280	1.00	Beige	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9610385	IP 280	2.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9610389	IP 281	1.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9610393	IP 281	2.00	Dark Brown	Loamy Sand	0.063 - 0.1 mm	Stones	None
9610420	IP 287	0.50	Beige	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9610424	IP 287	1.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9610237	IP 289	0.50	Dark Brown	Silt Loam	0.063 - 0.1 mm	Stones	Vegetation
9610219	IP 310	0.50	Dark Brown	Silt Loam	0.063 - 0.1 mm	Stones	Crushed Brick
9610224	IP 310	1.50	Dark Brown	Silt Loam	0.063 - 0.1 mm	Stones	Vegetation
9610228	IP 310	2.50	Dark Brown	Silt Loam	0.063 - 0.1 mm	Stones	Vegetation
9610232	IP 310	3.50	Beige	Silty Clay Loam	0.063 - 0.1 mm	Stones	N/A
9610343	IP 311	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9610347	IP 311	1.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Vegetation	Stones
9610326	IP 321	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
9610330	IP 321	1.50	Dark Brown	Loamy Sand	0.063 - 0.1 mm	Stones	Vegetation
9610335	IP 321	2.50	Dark Brown	Silty Sand	0.063 - 0.1 mm	Stones	N/A



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			Colour	Description	Grain size	Inclusions	Inclusions 2
9610318	IP 322	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9610322	IP 322	0.00 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9610303	IP 323	0.50	Dark Brown	Sandy Clay	0.1 - 2 mm	None	None
9610307	IP 323	1.50	Dark Brown	Silty Sand	0.063 - 0.1 mm	Stones	N/A
9610311	IP 323	2.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	N/A
9610089	IP 462	0.50	Dark Brown	Clay Loam	0.063 - 0.1 mm	Stones	None
9610099	IP 462	1.50	Dark Brown	Sand	0.1 - 2 mm	Stones	Vegetation
9610105	IP 462	2.50	Dark Brown	Sand	0.1 - 2 mm	Stones	Vegetation
9610016	IP 463	0.20	Dark Brown	Loamy Sand	0.1 - 2 mm	Concrete/Aggregate	Vegetation
9609807	IP 464	0.20	Dark Brown	Loamy Sand	0.1 - 2 mm	Vegetation	Stones
9610084	IP 471	0.50	Light Brown	Sandy Loam	0.1 - 2 mm	Concrete/Aggregate	Stones
9610193	IP 472	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Vegetation	Concrete/Aggregate
9610245	IP 472	0.80	Dark Brown	Silt Loam	0.063 - 0.1 mm	Vegetation	Stones
9610294	IP 472	1.50	Dark Brown	Sand	0.1 - 2 mm	Stones	None
9610072	IP 473	1.00	Dark Brown	Silt Loam	0.063 - 0.1 mm	Concrete/Aggregate	Vegetation
9610131	IP 473	2.00	Dark Brown	Stone/Soil	2 - 10 mm	Stones	None
9610186	IP 477	0.50	Dark Brown	Silt Loam	0.063 - 0.1 mm	Stones	Vegetation
9610198	IP 477	1.50	Dark Brown	Silt Loam	0.063 - 0.1 mm	Stones	Vegetation
9610167	IP 478	0.50	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Vegetation	Stones
9610171	IP 478	1.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9610175	IP 478	2.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Vegetation	Stones
9610179	IP 478	3.10	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9609811	IP 481	2.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9610351	IP 481	1.00	Dark Brown	Silt Loam	0.063 - 0.1 mm	Vegetation	Stones
9610405	IP 481	1.80	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9609923	IP 482	0.50	Dark Brown	Silt Loam	0.063 - 0.1 mm	Vegetation	Stones
9609975	IP 482	1.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9609986	IP 482	2.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Oil/Petroleum
9609993	IP 492	0.40	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9609997	IP 492	1.40	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Vegetation	None
9610001	IP 492	1.70	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Oil/Petroleum	Stones
9610005	IP 492	2.40	Dark Brown	Loamy Sand	0.1 - 2 mm	Oil/Petroleum	Stones
9610204	IP 498	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
9610208	IP 498	1.50	Dark Brown	Silt Loam	0.063 - 0.1 mm	Stones	Vegetation
9610213	IP 498	2.50	Grey	Sandy Clay	0.1 - 2 mm	Stones	Vegetation
9610144	IP 499	0.50	Dark Brown	Clay	<0.063 mm	None	None
9610148	IP 499	1.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9610155	IP 499	2.50	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	None
9610161	IP 499	3.50	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	Oil/Petroleum
9610109	IP 500	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9610114	IP 500	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Brick	Stones



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			Colour	Description	Grain size	Inclusions	Inclusions 2
9610119	IP 500	2.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Brick	N/A
9610124	IP 500	3.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9610136	IP 500	4.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Vegetation	Stones
9610011	IP 502	1.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9610022	IP 502	2.20	Grey	Sandy Clay Loam	0.1 - 2 mm	None	None
9610027	IP 502	2.70	Dark Brown	Sandy Clay	0.1 - 2 mm	None	None
9610032	IP 502	3.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9610047	IP 523	1.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Brick
9610051	IP 523	2.50	Beige	Sandy Silt Loam	0.063 - 0.1 mm	None	None
9610055	IP 523	3.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	None	None
9610060	IP 523	3.50	Dark Brown	Stone/Soil	2 - 10 mm	Stones	None
9610037	IP 524	1.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Crushed Brick	Concrete/Aggregate
9610064	IP 533	2.00	Black	Sand	0.1 - 2 mm	Brick	Concrete/Aggregate
9610068	IP 533	3.00	Dark Brown	Silt Loam	0.063 - 0.1 mm	Vegetation	None
9610076	IP 533	3.50	Dark Brown	Sandy Loam	0.1 - 2 mm	None	None
9610080	IP 533	4.00	Dark Brown	Stone/Soil	2 - 10 mm	Stones	None
9609961	TP 968	0.50	Dark Brown	Silty Clay	0.063 - 0.1 mm	Vegetation	Stones
9609965	TP 968	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	None	None
9609970	TP 968	2.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9609981	TP 968	3.50	Dark Brown	Sand	0.1 - 2 mm	Stones	None
9610439	TP 971	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Vegetation	Stones
9610443	TP 971	1.50	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	None
9610450	TP 971	2.50	Dark Brown	Clay	0.063 - 0.1 mm	Stones	Oil/Petroleum
9610454	TP 971	3.40	Dark Brown	Clay	0.063 - 0.1 mm	None	None
9609888	TP 1047	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
9609895	TP 1047	1.50	Dark Brown	Sandy Clay Loam	0.063 - 0.1 mm	Stones	N/A
9609903	TP 1047	2.50	Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones	N/A
9609907	TP 1048	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9609914	TP 1048	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9609918	TP 1048	2.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	None	None
9609928	TP 1048	3.50	Grey	N/A	2 - 10 mm	None	None
9609932	TP 1048	4.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	None	None
9609936	TP 1049	0.50	Dark Brown	Silt Loam	0.063 - 0.1 mm	Vegetation	Stones
9609941	TP 1049	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9609945	TP 1049	2.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9609952	TP 1049	3.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9609957	TP 1049	4.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9609882	TP 1058	4.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9609816	TPE1046	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9609820	TPE1046	1.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
9609824	TPE1046	2.50	Dark Brown	Stone/Soil	2 - 10 mm	Stones	Oil/Petroleum



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			Colour	Description	Grain size	Inclusions	Inclusions 2
9609828	TPE1046	3.50	Black	Sand	0.1 - 2 mm	Stones	None
9609857	TPE1058	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Vegetation	Stones
9609865	TPE1058	1.50	Dark Brown	Silty Sand	0.063 - 0.1 mm	Stones	N/A
9609871	TPE1058	2.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Oil/Petroleum
9609877	TPE1058	3.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9609844	TPE1059	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
9609849	TPE1059	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9609853	TPE1059	2.60	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9609835	TPE1060	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Vegetation	Stones
9609840	TPE1060	1.50	Dark Brown	Sand	0.1 - 2 mm	Stones	Vegetation

These descriptions are only intended to act as a cross check if sample identities are questioned, and to provide a log of sample matrices with respect to MCERTS validation. They are not intended as full geological descriptions.

We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample.

Other coarse granular materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

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SDG: 140712-79
Job: H_ATKINS_LDC-224
Client Reference: Site Wide Trial Pitting

Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0744
Report Number: 289029
Superseded Report: 279167

[illegible]

SDG: 140712-79
Job: H_ATKINS_LDC-224
Client Reference: Site Wide Trial Pitting

Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0744
Report Number: 289029
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[illegible]

SDG: 140712-79
Job: H_ATKINS_LDC-224
Client Reference: Site Wide Trial Pitting

Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0744
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[illegible]

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SDG: 140712-79
Job: H_ATKINS_LDC-224
Client Reference: Site Wide Trial Pitting

Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Jack Lowrie

Order Number: CD0744
Report Number: 289029
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SDG: 140712-79
Job: H_ATKINS_LDC-224
Client Reference: Site Wide Trial Pitting

Location: Coed Darcy
Customer: Atkins Global Ltd
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Order Number: CD0744
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[illegible]