CERTIFICATE OF ANALYSIS

SDG: 140115-93 **Location:** Coed Darcy **Order Number:** CD0593
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294616
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 290086

		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 Receieved SDG Original Sample Method Number	P1TP15 1.10 SOLID 13/01/2014 00:00:00 140115-93 8689227 TM048	20/1/14	Martin Cotterell	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP15 1.70 SOLID 13/01/2014 00:00:00 140115-93 8689228 TM048	21/1/14	Martin Cotterell	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP16 0.20 SOLID 13/01/2014 00:00:00 140115-93 8689223 TM048	21/01/14	Chris Swindells	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 Receieved SDG Original Sample Method Number	P1TP16 0.70 SOLID 13/01/2014 00:00:00 140115-93 8689224 TM048	21/01/14	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 Receieved SDG Original Sample Method Number	P1TP17 0.30 SOLID 13/01/2014 00:00:00 140115-93 8689220 TM048	21/01/14	Tomasz Pawlikowski	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 Receieved SDG Original Sample Method Number	P1TP17 0.80 SOLID 13/01/2014 00:00:00 140115-93 8689222 TM048	21/01/14	Tomasz Pawlikowski	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

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Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294616
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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 Receieved SDG Original Sample Method Number	P1TP19 0.30 SOLID 13/01/2014 00:00:00 140115-93 8689216 TM048	21/01/14	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 Receieved SDG Original Sample Method Number	P1TP19 1.00 SOLID 13/01/2014 00:00:00 140115-93 8689217 TM048	21/01/14	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 Receieved SDG Original Sample Method Number	P1TP19 1.20 SOLID 13/01/2014 00:00:00 140115-93 8689219 TM048	27/01/14	Martin Cotterell	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 Receieved SDG Original Sample Method Number	P1TP20 0.20 SOLID 13/01/2014 00:00:00 140115-93 8689214 TM048	22/01/14	Kevin Bowron	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 Receieved SDG Original Sample Method Number	P1TP20 0.30 SOLID 13/01/2014 00:00:00 140115-93 8689215 TM048	21/01/14	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 Receieved SDG Original Sample Method Number	P1TP22 0.30 SOLID 14/01/2014 00:00:00 140115-93 8689284 TM048	22/01/14	Simon Postlewhite	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

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Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294616
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 290086

		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 Receieved SDG Original Sample Method Number	P1TP22 1.00 SOLID 14/01/2014 00:00:00 140115-93 8689283 TM048	22/01/14	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 Receieved SDG Original Sample Method Number	P1TP23 0.20 SOLID 14/01/2014 00:00:00 140115-93 8689238 TM048	22/01/14	Kevin Bowron	Loose fibres in soil	Not Detected (#)	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP23 0.50 SOLID 14/01/2014 00:00:00 140115-93 8689239 TM048	21/01/14	Chris Swindells	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 Receieved SDG Original Sample Method Number	P1TP24 0.30 SOLID 14/01/2014 00:00:00 140115-93 8689241 TM048	21/01/14	Chris Swindells	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 Receieved SDG Original Sample Method Number	P1TP24 0.75 SOLID 14/01/2014 00:00:00 140115-93 8689242 TM048	21/01/14	Tomasz Pawlikowski	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 Receieved SDG Original Sample Method Number	P1TP25 0.30 SOLID 14/01/2014 00:00:00 140115-93 8689243 TM048	21/1/14	Martin Cotterell	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG: 140115-93 **Location:** Coed Darcy **Order Number:** CD0593
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294616
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 290086

		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 Receieved SDG Original Sample Method Number	P1TP25 0.75 SOLID 14/01/2014 00:00:00 140115-93 8689244 TM048	22/1/14	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 Receieved SDG Original Sample Method Number	P1TP26 0.20 SOLID 14/01/2014 00:00:00 140115-93 8689247 TM048	22/01/14	Chris Swindells	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 Receieved SDG Original Sample Method Number	P1TP26 0.90 SOLID 14/01/2014 00:00:00 140115-93 8689249 TM048	22/01/14	Chris Swindells	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 Receieved SDG Original Sample Method Number	P1TP27 0.20 SOLID 14/01/2014 00:00:00 140115-93 8689258 TM048	21/01/14	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 Receieved SDG Original Sample Method Number	P1TP27 0.90 SOLID 14/01/2014 00:00:00 140115-93 8689262 TM048	21/01/14	Tomasz Pawlikowski	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP28 0.30 SOLID 14/01/2014 00:00:00 140115-93 8689250 TM048	21/01/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

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SDG: 140115-93 **Location:** Coed Darcy **Order Number:** CD0593
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294616
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 290086

		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 Receieved SDG Original Sample Method Number	P1TP28 1.00 SOLID 14/01/2014 00:00:00 140115-93 8689254 TM048	21/01/14	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 Receieved SDG Original Sample Method Number	P1TP28 1.40 SOLID 14/01/2014 00:00:00 140115-93 8689257 TM048	22/01/14	Kevin Bowron	Loose fibres in soil	Not Detected (#)	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP29 0.20 SOLID 14/01/2014 00:00:00 140115-93 8689264 TM048	21/1/14	Martin Cotterell	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP29 0.90 SOLID 14/01/2014 00:00:00 140115-93 8689266 TM048	22/01/14	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 Receieved SDG Original Sample Method Number	P1TP29 1.40 SOLID 14/01/2014 00:00:00 140115-93 8689267 TM048	21/01/14	Tomasz Pawlikowski	Loose fibres in soil	Not Detected (#)	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP30 0.20 SOLID 14/01/2014 00:00:00 140115-93 8689269 TM048	22/01/14	Simon Postlewhite	Loose fibres in soil	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

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Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294616
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 290086

		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 Receieved SDG Original Sample Method Number	P1TP30 1.00 SOLID 14/01/2014 00:00:00 140115-93 8689270 TM048	21/01/14	Tomasz Pawlikowski	Loose fibres in soil	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP30 1.90 SOLID 14/01/2014 00:00:00 140115-93 8689272 TM048	21/1/14	Martin Cotterell	Loose fibres in soil	Detected (#)	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP31 0.20 SOLID 14/01/2014 00:00:00 140115-93 8689275 TM048	21/01/14	Kevin Bowron	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 Receieved SDG Original Sample Method Number	P1TP31 0.90 SOLID 14/01/2014 00:00:00 140115-93 8689276 TM048	21/01/14	Martin Cotterell	Loose fibres in soil	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP31 1.10 SOLID 14/01/2014 00:00:00 140115-93 8689277 TM048	22/1/14	Chris Swindells	Loose fibres in soil & ACM debris	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP32 0.20 SOLID 14/01/2014 00:00:00 140115-93 8689279 TM048	22/01/14	Kevin Bowron	Loose fibres in soil	Not Detected (#)	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

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Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294616
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 290086

		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 Receieved SDG Original Sample Method Number	P1TP32 0.70 SOLID 14/01/2014 00:00:00 140115-93 8689280 TM048	21/01/14	Tomasz Pawlikowski	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP39 0.20 SOLID 14/01/2014 00:00:00 140115-93 8689294 TM048	21/1/14	Martin Cotterell	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 Receieved SDG Original Sample Method Number	P1TP39 1.00 SOLID 14/01/2014 00:00:00 140115-93 8689295 TM048	21/01/14	Tomasz Pawlikowski	Loose fibres in soil	Not Detected (#)	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP39 1.80 SOLID 14/01/2014 00:00:00 140115-93 8689296 TM048	22/01/14	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 Receieved SDG Original Sample Method Number	P1TP40 0.20 SOLID 14/01/2014 00:00:00 140115-93 8689291 TM048	21/01/14	Lauren Sargeant	Loose fibres in soil	Not Detected (#)	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP40 0.80 SOLID 14/01/2014 00:00:00 140115-93 8689293 TM048	21/1/14	Martin Cotterell	-	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 Receieved SDG Original Sample Method Number	P1TP40 1.00 SOLID 14/01/2014 00:00:00 140115-93 8689292 TM048	21/01/14	Tomasz Pawlikowski	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP41 0.30 SOLID 14/01/2014 00:00:00 140115-93 8689288 TM048	21/1/14	Martin Cotterell	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 Receieved SDG Original Sample Method Number	P1TP41 1.10 SOLID 14/01/2014 00:00:00 140115-93 8689289 TM048	21/01/14	Chris Swindells	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 Receieved SDG Original Sample Method Number	P1TP41 1.60 SOLID 14/01/2014 00:00:00 140115-93 8689290 TM048	21/01/14	Tomasz Pawlikowski	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 Receieved SDG Original Sample Method Number	P1TP42 0.20 SOLID 14/01/2014 00:00:00 140115-93 8689285 TM048	21/1/14	Martin Cotterell	Loose fibres in soil	Not Detected (#)	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP42 1.00 SOLID 14/01/2014 00:00:00 140115-93 8689286 TM048	22/1/14	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 Receieved SDG Original Sample Method Number	P1TP42 1.60 SOLID 14/01/2014 00:00:00 140115-93 8689287 TM048	21/1/14	Martin Cotterell	Loose fibres in soil	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

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SDG:	140115-93	**Location:**	Coed Darcy	**Order Number:**	CD0593
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294616
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	290086

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 Receieved SDG Original Sample Method Number	P1TP2 0.60 SOLID 13/01/2014 00:00:00 140115-93 8689190 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP3 0.20 SOLID 13/01/2014 00:00:00 140115-93 8689191 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP7 0.30 SOLID 13/01/2014 00:00:00 140115-93 8689202 TM 304	Amosite (Loose fibres in soil.) (#)	N/C	0.0011 (#)	<0.001 (#)	0.0013 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP8 0.20 SOLID 13/01/2014 00:00:00 140115-93 8689204 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP8 0.60 SOLID 13/01/2014 00:00:00 140115-93 8689205 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)

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Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294616
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		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 Receieved SDG Original Sample Method Number	P1TP9 0.20 SOLID 13/01/2014 00:00:00 140115-93 8689206 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP9 0.60 SOLID 13/01/2014 00:00:00 140115-93 8689207 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP10 0.20 SOLID 13/01/2014 00:00:00 140115-93 8689209 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	0.0013 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP11 0.20 SOLID 14/01/2014 00:00:00 140115-93 8689281 TM 304	Chrysotile (Loose fibres in soil.) (#)	N/C	0.0022 (#)	<0.001 (#)	0.003 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP11 0.60 SOLID 14/01/2014 00:00:00 140115-93 8689282 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP12 0.30 SOLID 13/01/2014 00:00:00 140115-93 8689236 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)

CERTIFICATE OF ANALYSIS

SDG: 140115-93 **Location:** Coed Darcy **Order Number:** CD0593
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294616
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 290086

		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 Receieved SDG Original Sample Method Number	P1TP12 0.70 SOLID 13/01/2014 00:00:00 140115-93 8689237 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP16 0.20 SOLID 13/01/2014 00:00:00 140115-93 8689223 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP17 0.80 SOLID 13/01/2014 00:00:00 140115-93 8689222 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP20 0.20 SOLID 13/01/2014 00:00:00 140115-93 8689214 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	0.0013 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP20 0.30 SOLID 13/01/2014 00:00:00 140115-93 8689215 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP22 0.30 SOLID 14/01/2014 00:00:00 140115-93 8689284 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)

CERTIFICATE OF ANALYSIS

SDG: 140115-93 **Location:** Coed Darcy **Order Number:** CD0593
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294616
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 290086

		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 Receieved SDG Original Sample Method Number	P1TP22 1.00 SOLID 14/01/2014 00:00:00 140115-93 8689283 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP23 0.20 SOLID 14/01/2014 00:00:00 140115-93 8689238 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP23 0.50 SOLID 14/01/2014 00:00:00 140115-93 8689239 TM 304	Amosite (#)	Loose fibres in soil.	0.0011 (#)	<0.001 (#)	0.0018 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP24 0.30 SOLID 14/01/2014 00:00:00 140115-93 8689241 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP24 0.75 SOLID 14/01/2014 00:00:00 140115-93 8689242 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP25 0.30 SOLID 14/01/2014 00:00:00 140115-93 8689243 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)

CERTIFICATE OF ANALYSIS

SDG: 140115-93 **Location:** Coed Darcy **Order Number:** CD0593
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294616
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 290086

		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 Receieved SDG Original Sample Method Number	P1TP26 0.20 SOLID 14/01/2014 00:00:00 140115-93 8689247 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP26 0.90 SOLID 14/01/2014 00:00:00 140115-93 8689249 TM 304	Chrysotile (Loose fibres in soil.) (#)	N/A	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP28 1.00 SOLID 14/01/2014 00:00:00 140115-93 8689254 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	0.0014 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP30 0.20 SOLID 14/01/2014 00:00:00 140115-93 8689269 TM 304	None (#)	N/C	0.0011 (#)	<0.001 (#)	0.0013 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP30 1.00 SOLID 14/01/2014 00:00:00 140115-93 8689270 TM 304	None (#)	N/C	0.0581 (#)	0.0045 (#)	0.0626 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP31 0.20 SOLID 14/01/2014 00:00:00 140115-93 8689275 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)

CERTIFICATE OF ANALYSIS

SDG: 140115-93 **Location:** Coed Darcy **Order Number:** CD0593
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294616
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 290086

		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 Receieved SDG Original Sample Method Number	P1TP31 0.90 SOLID 14/01/2014 00:00:00 140115-93 8689276 TM 304	None (#)	N/C	<0.001 (#)	0.0015 (#)	0.002 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP32 0.20 SOLID 14/01/2014 00:00:00 140115-93 8689279 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP39 0.20 SOLID 14/01/2014 00:00:00 140115-93 8689294 TM 304	Chrysotile (#)	Loose fibres	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP39 1.00 SOLID 14/01/2014 00:00:00 140115-93 8689295 TM 304	None (#)	N/C	0.0010 (#)	<0.001 (#)	0.0014 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP40 0.20 SOLID 14/01/2014 00:00:00 140115-93 8689291 TM 304	None (#)	N/C	0.0139 (#)	0.0024 (#)	0.0163 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP41 0.30 SOLID 14/01/2014 00:00:00 140115-93 8689288 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)

CERTIFICATE OF ANALYSIS

SDG:	140115-93	**Location:**	Coed Darcy	**Order Number:**	CD0593
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294616
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	290086

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)		
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS		
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		
TM157	HP 6890 Gas Chromatograph (GC) system and HP 5973 Mass Selective Detector (MSD).	Determination of SVOC in Soils by GC-MS extracted by sonication in DCM/Acetone		
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		

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

CERTIFICATE OF ANALYSIS

SDG:	140115-93	**Location:**	Coed Darcy	**Order Number:**	CD0593
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294616
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	290086

Test Completion Dates

Lab Sample No(s)	8689189	8689190	8689191	8689192	8689195	8689196	8689197	8689198	8689199	8689200
Customer Sample Ref.	P1TP2	P1TP2	P1TP3	P1TP3	P1TP4	P1TP4	P1TP5	P1TP5	P1TP6	P1TP6
AGS Ref.										
Depth	0.40	0.60	0.20	0.70	0.30	0.50	0.20	0.90	0.20	0.60
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014
Asbestos Quantification - Full		17-Feb-2014	19-Feb-2014							
EPH CWG (Aliphatic) GC (S)	20-Jan-2014	20-Jan-2014	21-Jan-2014	21-Jan-2014	20-Jan-2014	21-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014
EPH CWG (Aromatic) GC (S)	20-Jan-2014	20-Jan-2014	21-Jan-2014	21-Jan-2014	20-Jan-2014	21-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014
GRO by GC-FID (S)	17-Jan-2014	17-Jan-2014	20-Jan-2014	20-Jan-2014	18-Jan-2014	19-Jan-2014	17-Jan-2014	17-Jan-2014	17-Jan-2014	17-Jan-2014
Metals in solid samples by OES	21-Jan-2014	21-Jan-2014	23-Jan-2014	21-Jan-2014	23-Jan-2014	23-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014
pH	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	20-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014
Sample description	16-Jan-2014	16-Jan-2014	17-Jan-2014	16-Jan-2014	16-Jan-2014	17-Jan-2014	16-Jan-2014	16-Jan-2014	16-Jan-2014	16-Jan-2014
Semi Volatile Organic Compounds	18-Jan-2014	18-Jan-2014	22-Jan-2014	18-Jan-2014	18-Jan-2014	22-Jan-2014	18-Jan-2014	19-Jan-2014	19-Jan-2014	19-Jan-2014
Total Organic Carbon	21-Jan-2014	21-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014
TPH CWG GC (S)	20-Jan-2014	20-Jan-2014	21-Jan-2014	21-Jan-2014	20-Jan-2014	21-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014
VOC MS (S)	22-Jan-2014	21-Jan-2014	20-Jan-2014	22-Jan-2014	20-Jan-2014	22-Jan-2014	20-Jan-2014	21-Jan-2014	21-Jan-2014	22-Jan-2014

Lab Sample No(s)	8689202	8689203	8689204	8689205	8689206	8689207	8689209	8689210	8689213	8689281
Customer Sample Ref.	P1TP7	P1TP7	P1TP8	P1TP8	P1TP9	P1TP9	P1TP10	P1TP10	P1TP10	P1TP11
AGS Ref.										
Depth	0.30	1.00	0.20	0.60	0.20	0.60	0.20	0.90	1.20	0.20
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014
Asbestos Quantification - Full	18-Feb-2014		17-Feb-2014	14-Feb-2014	12-Feb-2014	18-Feb-2014	17-Feb-2014			15-Feb-2014
EPH CWG (Aliphatic) GC (S)	20-Jan-2014	20-Jan-2014	20-Jan-2014	21-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	20-Jan-2014
EPH CWG (Aromatic) GC (S)	20-Jan-2014	20-Jan-2014	20-Jan-2014	21-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	20-Jan-2014
GRO by GC-FID (S)	20-Jan-2014	20-Jan-2014	18-Jan-2014	20-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	18-Jan-2014
Metals in solid samples by OES	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	21-Jan-2014
pH	17-Jan-2014	21-Jan-2014	17-Jan-2014	21-Jan-2014	22-Jan-2014	22-Jan-2014	21-Jan-2014	22-Jan-2014	21-Jan-2014	21-Jan-2014
Sample description	16-Jan-2014	16-Jan-2014	16-Jan-2014	17-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014	16-Jan-2014
Semi Volatile Organic Compounds	19-Jan-2014	19-Jan-2014	19-Jan-2014	21-Jan-2014	22-Jan-2014	22-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	18-Jan-2014
Total Organic Carbon	22-Jan-2014	22-Jan-2014	22-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	21-Jan-2014
TPH CWG GC (S)	20-Jan-2014	20-Jan-2014	20-Jan-2014	21-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	20-Jan-2014
VOC MS (S)	22-Jan-2014	22-Jan-2014	21-Jan-2014	20-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014

Lab Sample No(s)	8689282	8689236	8689237	8689233	8689234	8689230	8689231	8689232	8689226	8689227
Customer Sample Ref.	P1TP11	P1TP12	P1TP12	P1TP13	P1TP13	P1TP14	P1TP14	P1TP14	P1TP15	P1TP15
AGS Ref.										
Depth	0.60	0.30	0.70	0.20	1.05	0.30	1.10	1.70	0.30	1.10
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	27-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014
Asbestos Quantification - Full	12-Feb-2014	17-Feb-2014	17-Feb-2014							
EPH CWG (Aliphatic) GC (S)	20-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014	24-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014
EPH CWG (Aromatic) GC (S)	20-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014	24-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014
GRO by GC-FID (S)	18-Jan-2014	20-Jan-2014	18-Jan-2014	20-Jan-2014		22-Jan-2014	17-Jan-2014	18-Jan-2014	20-Jan-2014	17-Jan-2014
Metals in solid samples by OES	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	24-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014
pH	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	25-Jan-2014	17-Jan-2014	17-Jan-2014	22-Jan-2014	17-Jan-2014
Sample description	16-Jan-2014	16-Jan-2014	16-Jan-2014	16-Jan-2014	16-Jan-2014	20-Jan-2014	16-Jan-2014	16-Jan-2014	16-Jan-2014	16-Jan-2014
Semi Volatile Organic Compounds	19-Jan-2014	19-Jan-2014	19-Jan-2014	19-Jan-2014	19-Jan-2014	22-Jan-2014	19-Jan-2014	19-Jan-2014	18-Jan-2014	18-Jan-2014
Total Organic Carbon	21-Jan-2014	21-Jan-2014	21-Jan-2014	22-Jan-2014	22-Jan-2014	28-Jan-2014	23-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014
TPH CWG GC (S)	20-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014	24-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014
VOC MS (S)	21-Jan-2014	21-Jan-2014	21-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	21-Jan-2014	21-Jan-2014	22-Jan-2014	21-Jan-2014

CERTIFICATE OF ANALYSIS

SDG: 140115-93 **Location:** Coed Darcy **Order Number:** CD0593
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294616
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 290086

Lab Sample No(s)	8689228	8689223	8689224	8689220	8689222	8689216	8689217	8689219	8689214	8689215
Customer Sample Ref.	P1TP15	P1TP16	P1TP16	P1TP17	P1TP17	P1TP19	P1TP19	P1TP19	P1TP20	P1TP20
AGS Ref.										
Depth	1.70	0.20	0.70	0.30	0.80	0.30	1.00	1.20	0.20	0.30
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	27-Jan-2014	22-Jan-2014	22-Jan-2014
Asbestos Quantification - Full		17-Feb-2014			17-Feb-2014				17-Feb-2014	18-Feb-2014
EPH CWG (Aliphatic) GC (S)	20-Jan-2014	20-Jan-2014	20-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	24-Jan-2014	21-Jan-2014	21-Jan-2014
EPH CWG (Aromatic) GC (S)	20-Jan-2014	20-Jan-2014	20-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	24-Jan-2014	21-Jan-2014	21-Jan-2014
GRO by GC-FID (S)	18-Jan-2014	20-Jan-2014	17-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014	21-Jan-2014	20-Jan-2014	20-Jan-2014
Metals in solid samples by OES	21-Jan-2014	21-Jan-2014	23-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	28-Jan-2014	21-Jan-2014	23-Jan-2014
pH	22-Jan-2014	22-Jan-2014	22-Jan-2014	21-Jan-2014	21-Jan-2014	17-Jan-2014	17-Jan-2014	24-Jan-2014	17-Jan-2014	17-Jan-2014
Sample description	16-Jan-2014	16-Jan-2014	16-Jan-2014	17-Jan-2014	17-Jan-2014	17-Jan-2014	16-Jan-2014	20-Jan-2014	17-Jan-2014	17-Jan-2014
Semi Volatile Organic Compounds	19-Jan-2014	18-Jan-2014	18-Jan-2014	21-Jan-2014	21-Jan-2014	18-Jan-2014	18-Jan-2014	22-Jan-2014	21-Jan-2014	21-Jan-2014
Total Organic Carbon	21-Jan-2014	21-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	28-Jan-2014	23-Jan-2014	22-Jan-2014
TPH CWG GC (S)	20-Jan-2014	20-Jan-2014	20-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	24-Jan-2014	21-Jan-2014	21-Jan-2014
VOC MS (S)	21-Jan-2014	22-Jan-2014	22-Jan-2014	21-Jan-2014	22-Jan-2014	20-Jan-2014	21-Jan-2014	22-Jan-2014	21-Jan-2014	21-Jan-2014

Lab Sample No(s)	8689283	8689284	8689238	8689239	8689241	8689242	8689243	8689244	8689247	8689249
Customer Sample Ref.	P1TP22	P1TP22	P1TP23	P1TP23	P1TP24	P1TP24	P1TP25	P1TP25	P1TP26	P1TP26
AGS Ref.										
Depth	1.00	0.30	0.20	0.50	0.30	0.75	0.30	0.75	0.20	0.90
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014
Asbestos Quantification - Full	14-Feb-2014	17-Feb-2014	20-Feb-2014	18-Feb-2014	17-Feb-2014	15-Feb-2014	19-Feb-2014		14-Feb-2014	17-Feb-2014
EPH CWG (Aliphatic) GC (S)	21-Jan-2014	21-Jan-2014	21-Jan-2014	20-Jan-2014	21-Jan-2014	21-Jan-2014	20-Jan-2014	21-Jan-2014	22-Jan-2014	22-Jan-2014
EPH CWG (Aromatic) GC (S)	21-Jan-2014	21-Jan-2014	21-Jan-2014	20-Jan-2014	21-Jan-2014	21-Jan-2014	20-Jan-2014	21-Jan-2014	22-Jan-2014	22-Jan-2014
GRO by GC-FID (S)	20-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014	21-Jan-2014	21-Jan-2014
Metals in solid samples by OES	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	22-Jan-2014	22-Jan-2014
pH	22-Jan-2014	22-Jan-2014	21-Jan-2014	21-Jan-2014	17-Jan-2014	17-Jan-2014	17-Jan-2014	17-Jan-2014	22-Jan-2014	22-Jan-2014
Sample description	17-Jan-2014	17-Jan-2014	17-Jan-2014	17-Jan-2014	17-Jan-2014	17-Jan-2014	17-Jan-2014	17-Jan-2014	20-Jan-2014	20-Jan-2014
Semi Volatile Organic Compounds	21-Jan-2014	21-Jan-2014	21-Jan-2014	19-Jan-2014	21-Jan-2014	21-Jan-2014	19-Jan-2014	22-Jan-2014	23-Jan-2014	23-Jan-2014
Total Organic Carbon	21-Jan-2014	23-Jan-2014	23-Jan-2014	21-Jan-2014	21-Jan-2014	23-Jan-2014	21-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014
TPH CWG GC (S)	21-Jan-2014	21-Jan-2014	21-Jan-2014	20-Jan-2014	21-Jan-2014	21-Jan-2014	20-Jan-2014	21-Jan-2014	22-Jan-2014	22-Jan-2014
VOC MS (S)	21-Jan-2014	21-Jan-2014	22-Jan-2014	21-Jan-2014	21-Jan-2014	20-Jan-2014	22-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014

Lab Sample No(s)	8689258	8689262	8689250	8689254	8689257	8689264	8689266	8689267	8689269	8689270
Customer Sample Ref.	P1TP27	P1TP27	P1TP28	P1TP28	P1TP28	P1TP29	P1TP29	P1TP29	P1TP30	P1TP30
AGS Ref.										
Depth	0.20	0.90	0.30	1.00	1.40	0.20	0.90	1.40	0.20	1.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014
Asbestos Quantification - Full				19-Feb-2014					18-Feb-2014	18-Feb-2014
EPH CWG (Aliphatic) GC (S)	21-Jan-2014	22-Jan-2014	21-Jan-2014	21-Jan-2014	20-Jan-2014	21-Jan-2014	21-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014
EPH CWG (Aromatic) GC (S)	21-Jan-2014	22-Jan-2014	21-Jan-2014	21-Jan-2014	20-Jan-2014	21-Jan-2014	21-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014
GRO by GC-FID (S)	18-Jan-2014	18-Jan-2014	18-Jan-2014	20-Jan-2014	18-Jan-2014	18-Jan-2014	20-Jan-2014	18-Jan-2014	18-Jan-2014	18-Jan-2014
Metals in solid samples by OES	23-Jan-2014	23-Jan-2014	21-Jan-2014	21-Jan-2014	23-Jan-2014	21-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014
pH	22-Jan-2014	21-Jan-2014	21-Jan-2014	17-Jan-2014	17-Jan-2014	17-Jan-2014	21-Jan-2014	22-Jan-2014	17-Jan-2014	17-Jan-2014
Sample description	17-Jan-2014	17-Jan-2014	17-Jan-2014	17-Jan-2014	17-Jan-2014	17-Jan-2014	17-Jan-2014	17-Jan-2014	16-Jan-2014	16-Jan-2014
Semi Volatile Organic Compounds	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	18-Jan-2014	18-Jan-2014
Total Organic Carbon	22-Jan-2014	22-Jan-2014	23-Jan-2014	23-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014
TPH CWG GC (S)	21-Jan-2014	22-Jan-2014	21-Jan-2014	21-Jan-2014	20-Jan-2014	21-Jan-2014	21-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014
VOC MS (S)	22-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	22-Jan-2014	21-Jan-2014	22-Jan-2014

Lab Sample No(s)	8689272	8689275	8689276	8689277	8689279	8689280	8689294	8689295	8689296	8689291
Customer Sample Ref.	P1TP30	P1TP31	P1TP31	P1TP31	P1TP32	P1TP32	P1TP39	P1TP39	P1TP39	P1TP40
AGS Ref.										
Depth	1.90	0.20	0.90	1.10	0.20	0.70	0.20	1.00	1.80	0.20
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014
Asbestos Quantification - Full		18-Feb-2014	19-Feb-2014		18-Feb-2014		19-Feb-2014	15-Feb-2014		19-Feb-2014
EPH CWG (Aliphatic) GC (S)	21-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014
EPH CWG (Aromatic) GC (S)	21-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014
GRO by GC-FID (S)	18-Jan-2014	17-Jan-2014	17-Jan-2014	17-Jan-2014	17-Jan-2014	17-Jan-2014	20-Jan-2014	19-Jan-2014	20-Jan-2014	20-Jan-2014
Metals in solid samples by OES	21-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	21-Jan-2014	21-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	21-Jan-2014
pH	17-Jan-2014	17-Jan-2014	17-Jan-2014	17-Jan-2014	21-Jan-2014	21-Jan-2014	22-Jan-2014	22-Jan-2014	21-Jan-2014	20-Jan-2014
Sample description	16-Jan-2014	16-Jan-2014	16-Jan-2014	16-Jan-2014	16-Jan-2014	16-Jan-2014	17-Jan-2014	17-Jan-2014	17-Jan-2014	17-Jan-2014
Semi Volatile Organic Compounds	18-Jan-2014	18-Jan-2014	18-Jan-2014	18-Jan-2014	18-Jan-2014	18-Jan-2014	21-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014
Total Organic Carbon	22-Jan-2014	22-Jan-2014	23-Jan-2014	22-Jan-2014	21-Jan-2014	21-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014
TPH CWG GC (S)	21-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014
VOC MS (S)	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	22-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014

CERTIFICATE OF ANALYSIS

Validated

SDG:	140115-93	**Location:**	Coed Darcy	**Order Number:**	CD0593
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294616
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	290086

Lab Sample No(s)	8689292	8689293	8689288	8689289	8689290	8689285	8689286	8689287
Customer Sample Ref.	P1TP40	P1TP40	P1TP41	P1TP41	P1TP41	P1TP42	P1TP42	P1TP42
AGS Ref.								
Depth	1.00	0.80	0.30	1.10	1.60	0.20	1.00	1.60
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014
Asbestos Quantification - Full			12-Feb-2014					
EPH CWG (Aliphatic) GC (S)	21-Jan-2014	20-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014
EPH CWG (Aromatic) GC (S)	21-Jan-2014	20-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014
GRO by GC-FID (S)	18-Jan-2014	17-Jan-2014	20-Jan-2014	18-Jan-2014	18-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014
Metals in solid samples by OES	21-Jan-2014	23-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014
pH	22-Jan-2014	17-Jan-2014	21-Jan-2014	17-Jan-2014	17-Jan-2014	17-Jan-2014	17-Jan-2014	17-Jan-2014
Sample description	17-Jan-2014	16-Jan-2014	17-Jan-2014	17-Jan-2014	17-Jan-2014	17-Jan-2014	17-Jan-2014	17-Jan-2014
Semi Volatile Organic Compounds	19-Jan-2014	18-Jan-2014	21-Jan-2014	19-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	22-Jan-2014
Total Organic Carbon	22-Jan-2014	22-Jan-2014	21-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	21-Jan-2014	23-Jan-2014
TPH CWG GC (S)	21-Jan-2014	20-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014
VOC MS (S)	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014

SDG:	140115-93	**Location:**	Coed Darcy	**Order Number:**	CD0593
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294616
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	290086

Appendix

General

1. Results are expressed on a dry weight basis (dried at 35ºC) 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 Dimethyphenol, 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 presevation 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.

ALcontrol Laboratories

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

Attention: Jack Lowrie

CERTIFICATE OF ANALYSIS

Date:	08 December 2014
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	140116-33
Your Reference:	Phase 2
Location:	Coed Darcy
Report No:	294751

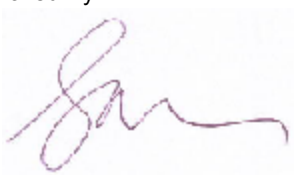
This report has been revised and directly supersedes 260613 in its entirety.

We received 38 samples on Thursday January 16, 2014 and 38 of these samples were scheduled for analysis which was completed on Thursday February 20, 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

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Registered Office: Units 7 & 8 Hawarden Business Park, Manor Road, Hawarden, Deeside, CH5 3US. Registered in England and Wales No. 4057291.

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
8692356	P1TP33		0.20	15/01/2014
8692358	P1TP33		1.00	15/01/2014
8692360	P1TP33		1.90	15/01/2014
8692363	P1TP33		2.10	15/01/2014
8692347	P1TP34		0.30	15/01/2014
8692349	P1TP34		1.00	15/01/2014
8692351	P1TP34		2.00	15/01/2014
8692353	P1TP34		2.30	15/01/2014
8692339	P1TP35		0.20	15/01/2014
8692341	P1TP35		1.10	15/01/2014
8692344	P1TP35		1.90	15/01/2014
8692333	P1TP36		0.20	15/01/2014
8692335	P1TP36		1.00	15/01/2014
8692337	P1TP36		1.90	15/01/2014
8692324	P1TP37		0.30	15/01/2014
8692326	P1TP37		0.90	15/01/2014
8692328	P1TP37		2.00	15/01/2014
8692331	P1TP37		2.10	15/01/2014
8692318	P1TP38		0.20	15/01/2014
8692320	P1TP38		1.00	15/01/2014
8692322	P1TP38		2.00	15/01/2014
8692365	P1TP43		0.20	15/01/2014
8692366	P1TP43		1.00	15/01/2014
8692367	P1TP43		2.10	15/01/2014
8692368	P1TP43		3.00	15/01/2014
8692370	P1TP44		0.40	15/01/2014
8692371	P1TP44		1.20	15/01/2014
8692374	P1TP44		2.00	15/01/2014
8692375	P1TP44		2.70	15/01/2014
8692376	P1TP45		0.20	15/01/2014
8692378	P1TP45		1.10	15/01/2014
8692379	P1TP45		2.00	15/01/2014
8692380	P1TP45		2.80	15/01/2014
8692381	P1TP46		0.30	15/01/2014
8692382	P1TP46		1.00	15/01/2014
8692384	P1TP46		2.10	15/01/2014
8692385	P1TP46		3.00	15/01/2014
8692386	P1TP46		3.20	15/01/2014

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

SDG: 140116-33
Job: H_ATKINS_LDC-173
Client Reference: Phase 2
Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Jack Lowrie
Order Number: CD0596
Report Number: 294751
Superseded Report: 260613

SOLID

Results Legend

- X Test
- N No Determination Possible

Lab Sample No(s)					8692356			8692358			8692360			8692363			8692347			8692349			8692351			8692353			8692339			8692341			8692344			8692333			8692335	8692337
Customer Sample Reference					P1TP33			P1TP33			P1TP33			P1TP33			P1TP34			P1TP34			P1TP34			P1TP34			P1TP35			P1TP35			P1TP35			P1TP36			P1TP36	P1TP36
AGS Reference																																										
Depth (m)					0.20			1.00			1.90			2.10			0.30			1.00			2.00			2.30			0.20			1.10			1.90			0.20			1.00	1.90
Container			250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 38		X			X			X			X			X			X			X			X			X			X			X			X			X		
Asbestos Quantification - Full	All	NDPs: 0 Tests: 16		X												X			X									X									X			X		
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 38	X			X			X			X			X			X			X			X			X			X			X			X			X			X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 38	X			X			X			X			X			X			X			X			X			X			X			X			X			X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 38			X			X			X			X			X			X			X			X			X			X			X			X			X	
Metals in solid samples by OES	All	NDPs: 0 Tests: 38	X			X			X			X			X			X			X			X			X			X			X			X			X			X
pH	All	NDPs: 0 Tests: 38		X			X			X			X			X			X			X			X			X			X			X			X			X		
Sample description	All	NDPs: 0 Tests: 38	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 38	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Total Organic Carbon	All	NDPs: 0 Tests: 38	X			X			X			X			X			X			X			X			X			X			X			X			X			X
TPH CWG GC (S)	All	NDPs: 0 Tests: 38	X			X			X			X			X			X			X			X			X			X			X			X			X			X
VOC MS (S)	All	NDPs: 0 Tests: 38			X			X			X			X			X			X			X			X			X			X			X			X			X	

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

SOLID

Results Legend

- **X** Test
- **N** No Determination Possible

		Lab Sample No(s)	8692337		8692324			8692326			8692328			8692331			8692318			8692320		
		Customer Sample Reference	P1TP36		P1TP37			P1TP37			P1TP37			P1TP37			P1TP38			P1TP38		
		AGS Reference																				
		Depth (m)	1.90		0.30			0.90			2.00			2.10			0.20			1.00		
		Container	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 38	X			X			X			X			X			X			X	
Asbestos Quantification - Full	All	NDPs: 0 Tests: 16				X			X									X			X	
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 38			X			X			X			X			X			X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 38			X			X			X			X			X			X		
GRO by GC-FID (S)	All	NDPs: 0 Tests: 38		X			X			X			X			X			X			X
Metals in solid samples by OES	All	NDPs: 0 Tests: 38			X			X			X			X			X			X		
pH	All	NDPs: 0 Tests: 38	X			X			X			X			X			X			X	
Sample description	All	NDPs: 0 Tests: 38			X			X			X			X			X			X		
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 38			X			X			X			X			X			X		
Total Organic Carbon	All	NDPs: 0 Tests: 38			X			X			X			X			X			X		
TPH CWG GC (S)	All	NDPs: 0 Tests: 38			X			X			X			X			X			X		
VOC MS (S)	All	NDPs: 0 Tests: 38		X			X			X			X			X			X			X

		Lab Sample No(s)	8692322			8692365			8692366			8692367			8692368			8692370			8692371	
		Customer Sample Reference	P1TP38			P1TP43			P1TP43			P1TP43			P1TP43			P1TP44			P1TP44	
		AGS Reference																				
		Depth (m)	2.00			0.20			1.00			2.10			3.00			0.40			1.20	
		Container	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 38		X			X			X			X			X			X			X
Asbestos Quantification - Full	All	NDPs: 0 Tests: 16					X			X									X			
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 38	X			X			X			X			X			X			X	
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 38	X			X			X			X			X			X			X	
GRO by GC-FID (S)	All	NDPs: 0 Tests: 38			X			X			X			X			X			X		
Metals in solid samples by OES	All	NDPs: 0 Tests: 38	X			X			X			X			X			X			X	
pH	All	NDPs: 0 Tests: 38		X			X			X			X			X			X			X
Sample description	All	NDPs: 0 Tests: 38	X			X			X			X			X			X			X	
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 38	X			X			X			X			X			X			X	
Total Organic Carbon	All	NDPs: 0 Tests: 38	X			X			X			X			X			X			X	
TPH CWG GC (S)	All	NDPs: 0 Tests: 38	X			X			X			X			X			X			X	
VOC MS (S)	All	NDPs: 0 Tests: 38			X			X			X			X			X			X		

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

SOLID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)	8692371	8692374	8692375	8692376	8692378	8692379	8692380	8692381	8692382	8692384	8692385	8692386
Customer Sample Reference	P1TP44	P1TP44	P1TP44	P1TP45	P1TP45	P1TP45	P1TP45	P1TP46	P1TP46	P1TP46	P1TP46	P1TP46
AGS Reference												
Depth (m)	1.20	2.00	2.70	0.20	1.10	2.00	2.80	0.30	1.00	2.10	3.00	3.20
Container	60g VOC (ALE215)	250g Amber Jar 400g Tub (ALE214) 60g VOC (ALE215)	250g Amber Jar 400g Tub (ALE214) 60g VOC (ALE215)	250g Amber Jar 400g Tub (ALE214) 60g VOC (ALE215)	250g Amber Jar 400g Tub (ALE214) 60g VOC (ALE215)	250g Amber Jar 400g Tub (ALE214) 60g VOC (ALE215)	250g Amber Jar 400g Tub (ALE214) 60g VOC (ALE215)	250g Amber Jar 400g Tub (ALE214) 60g VOC (ALE215)	250g Amber Jar 400g Tub (ALE214) 60g VOC (ALE215)	250g Amber Jar 400g Tub (ALE214) 60g VOC (ALE215)	250g Amber Jar 400g Tub (ALE214) 60g VOC (ALE215)	250g Amber Jar 400g Tub (ALE214) 60g VOC (ALE215)

Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 38		X		X		X		X		X		X
Asbestos Quantification - Full	All	NDPs: 0 Tests: 16						X						
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 38		X		X		X		X		X		X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 38		X		X		X		X		X		X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 38	X		X		X		X		X		X	
Metals in solid samples by OES	All	NDPs: 0 Tests: 38		X		X		X		X		X		X
pH	All	NDPs: 0 Tests: 38		X		X		X		X		X		X
Sample description	All	NDPs: 0 Tests: 38		X		X		X		X		X		X
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 38		X		X		X		X		X		X
Total Organic Carbon	All	NDPs: 0 Tests: 38		X		X		X		X		X		X
TPH CWG GC (S)	All	NDPs: 0 Tests: 38		X		X		X		X		X		X
VOC MS (S)	All	NDPs: 0 Tests: 38	X		X		X		X		X		X	

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

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
8692356	P1TP33	0.20	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Brick
8692358	P1TP33	1.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8692360	P1TP33	1.90	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8692363	P1TP33	2.10	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	None
8692347	P1TP34	0.30	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Brick
8692349	P1TP34	1.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Metal
8692351	P1TP34	2.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Brick
8692353	P1TP34	2.30	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
8692339	P1TP35	0.20	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8692341	P1TP35	1.10	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8692344	P1TP35	1.90	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8692333	P1TP36	0.20	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8692335	P1TP36	1.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Vegetation	Stones
8692337	P1TP36	1.90	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8692324	P1TP37	0.30	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8692326	P1TP37	0.90	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8692328	P1TP37	2.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
8692331	P1TP37	2.10	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
8692318	P1TP38	0.20	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8692320	P1TP38	1.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8692322	P1TP38	2.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8692365	P1TP43	0.20	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
8692366	P1TP43	1.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8692367	P1TP43	2.10	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8692368	P1TP43	3.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Brick
8692370	P1TP44	0.40	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8692371	P1TP44	1.20	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
8692374	P1TP44	2.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
8692375	P1TP44	2.70	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8692376	P1TP45	0.20	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	None	Stones
8692378	P1TP45	1.10	Dark Brown	Sandy Loam	0.1 - 2 mm	Vegetation	Stones
8692379	P1TP45	2.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Vegetation	Stones
8692380	P1TP45	2.80	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
8692381	P1TP46	0.30	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
8692382	P1TP46	1.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
8692384	P1TP46	2.10	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8692385	P1TP46	3.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
8692386	P1TP46	3.20	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	None

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

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 ocurring 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.

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP33	P1TP33	P1TP33	P1TP33	P1TP34	P1TP34
			Depth (m)	0.20	1.00	1.90	2.10	0.30	1.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			SDG Ref	140116-33	140116-33	140116-33	140116-33	140116-33	140116-33
			Lab Sample No.(s)	8692356	8692358	8692360	8692363	8692347	8692349
			AGS Reference						
Moisture Content Ratio	%	PM024		10	9.8	9.6	5.6	12	8.7
Soil Organic Matter (SOM)	<0.35 %	TM132		1.22 #	2.07 #	1.58 #	1.38 #	1.38 #	2.05 #
pH	1 pH Units	TM133		11.1 M	10.3 M	10.1 M	8.23 M	11.4 M	10.9 M
Arsenic	<0.6 mg/kg	TM181		14 M	13.8 M	14.4 M	9.4 M	20.6 M	14.6 M
Cadmium	<0.02 mg/kg	TM181		0.264 M	0.299 M	0.285 M	0.213 M	0.289 M	0.317 M
Chromium	<0.9 mg/kg	TM181		13.2 M	17 M	16.3 M	19.4 M	17.2 M	15.6 M
Copper	<1.4 mg/kg	TM181		39.8 M	53.8 M	47.6 M	73.6 M	55.9 M	46.7 M
Lead	<0.7 mg/kg	TM181		68.8 M	104 M	70.9 M	90.3 M	155 M	73.3 M
Mercury	<0.14 mg/kg	TM181		0.554 M	0.743 M	0.308 M	<0.14 M	0.742 M	0.38 M
Nickel	<0.2 mg/kg	TM181		23.3 M	33.3 M	35.3 M	37.7 M	22.5 M	27.2 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		15 #	17.8 #	18.6 #	18.9 #	17.1 #	16.6 #
Zinc	<1.9 mg/kg	TM181		182 M	238 M	175 M	728 M	349 M	209 M

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP34	P1TP34	P1TP35	P1TP35	P1TP35	P1TP36
			Depth (m)	2.00	2.30	0.20	1.10	1.90	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			SDG Ref	140116-33	140116-33	140116-33	140116-33	140116-33	140116-33
			Lab Sample No.(s)	8692351	8692353	8692339	8692341	8692344	8692333
			AGS Reference						
Moisture Content Ratio	%	PM024		8.9	8.8	9.3	11	8.1	9.2
Soil Organic Matter (SOM)	<0.35 %	TM132		1.83 #	1.27 #	1.18 #	1.57 #	0.778 #	1.98 #
pH	1 pH Units	TM133		10.9 M	8.08 M	11.2 M	10.5 M	8.62 M	10.9 M
Arsenic	<0.6 mg/kg	TM181		15.8 M	15 M	18.4 M	21 M	10.5 M	13.5 M
Cadmium	<0.02 mg/kg	TM181		0.214 M	0.383 M	0.294 M	0.428 M	0.128 M	0.314 M
Chromium	<0.9 mg/kg	TM181		17.5 M	17.2 M	18.8 M	19.1 M	14.3 M	13.5 M
Copper	<1.4 mg/kg	TM181		41.5 M	46.6 M	57 M	69.4 M	19.8 M	35.1 M
Lead	<0.7 mg/kg	TM181		92.7 M	66.6 M	153 M	182 M	47.9 M	83.4 M
Mercury	<0.14 mg/kg	TM181		0.501 M	0.171 M	0.775 M	0.692 M	0.204 M	0.773 M
Nickel	<0.2 mg/kg	TM181		30.9 M	36 M	24.8 M	23.2 M	30.1 M	17 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		17.8 #	17.9 #	20 #	17 #	12.7 #	15 #
Zinc	<1.9 mg/kg	TM181		264 M	158 M	486 M	486 M	133 M	213 M

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP36	P1TP36	P1TP37	P1TP37	P1TP37	P1TP37
			Depth (m)	1.00	1.90	0.30	0.90	2.00	2.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			SDG Ref	140116-33	140116-33	140116-33	140116-33	140116-33	140116-33
			Lab Sample No.(s)	8692335	8692337	8692324	8692326	8692328	8692331
			AGS Reference						
Moisture Content Ratio	%	PM024		7.5	9.8	13	13	13	11
Soil Organic Matter (SOM)	<0.35 %	TM132		1.23 #	1.66 #	1.74 #	2.67 #	2.02 #	2.28 #
pH	1 pH Units	TM133		8.98 M	9.73 M	11 M	10.8 M	10.5 M	8.41 M
Arsenic	<0.6 mg/kg	TM181		20.3 M	21.6 M	14.6 M	21.2 M	14.8 M	13.7 M
Cadmium	<0.02 mg/kg	TM181		0.295 M	0.428 M	0.239 M	0.412 M	0.0603 M	0.286 M
Chromium	<0.9 mg/kg	TM181		17.2 M	16 M	25.3 M	16.5 M	17.9 M	16.2 M
Copper	<1.4 mg/kg	TM181		50.2 M	68.1 M	66.3 M	52.2 M	39.6 M	100 M
Lead	<0.7 mg/kg	TM181		82.6 M	119 M	86.6 M	106 M	62.6 M	106 M
Mercury	<0.14 mg/kg	TM181		0.431 M	3.69 M	0.641 M	0.834 M	0.423 M	0.404 M
Nickel	<0.2 mg/kg	TM181		24.8 M	28.6 M	20.4 M	27.5 M	28.2 M	27.1 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		15.9 #	17.6 #	15.6 #	18.4 #	22.2 #	16.6 #
Zinc	<1.9 mg/kg	TM181		245 M	293 M	249 M	252 M	213 M	321 M

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP38	P1TP38	P1TP38	P1TP43	P1TP43	P1TP43
			Depth (m)	0.20	1.00	2.00	0.20	1.00	2.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			SDG Ref	140116-33	140116-33	140116-33	140116-33	140116-33	140116-33
			Lab Sample No.(s)	8692318	8692320	8692322	8692365	8692366	8692367
			AGS Reference						
Moisture Content Ratio	%	PM024		13	11	12	11	11	12
Soil Organic Matter (SOM)	<0.35 %	TM132		1.72 #	1.45 #	1.63 #	1.64 #	2.21 #	1.93 #
pH	1 pH Units	TM133		10.9 M	11.2 M	11.1 M	8.1 M	9.24 M	8.22 M
Arsenic	<0.6 mg/kg	TM181		18.1 M	20.7 M	17.9 M	18.5 M	18 M	25.7 M
Cadmium	<0.02 mg/kg	TM181		0.336 M	0.369 M	0.342 M	0.309 M	0.224 M	0.376 M
Chromium	<0.9 mg/kg	TM181		14.3 M	13.8 M	22.7 M	21.5 M	24.2 M	21.2 M
Copper	<1.4 mg/kg	TM181		47 M	53.6 M	64.1 M	61.6 M	59.2 M	79.6 M
Lead	<0.7 mg/kg	TM181		123 M	143 M	126 M	70.4 M	48.4 M	72.5 M
Mercury	<0.14 mg/kg	TM181		0.85 M	0.936 M	0.898 M	1.12 M	0.666 M	0.756 M
Nickel	<0.2 mg/kg	TM181		24.8 M	22.8 M	27.4 M	29.8 M	27.7 M	25.7 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		17.4 #	18.4 #	18.9 #	18.7 #	17.3 #	18.2 #
Zinc	<1.9 mg/kg	TM181		288 M	319 M	336 M	197 M	183 M	193 M

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP43	P1TP44	P1TP44	P1TP44	P1TP44	P1TP45
			Depth (m)	3.00	0.40	1.20	2.00	2.70	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			SDG Ref	140116-33	140116-33	140116-33	140116-33	140116-33	140116-33
			Lab Sample No.(s)	8692368	8692370	8692371	8692374	8692375	8692376
			AGS Reference						
Moisture Content Ratio	%	PM024		13	13	11	9.6	11	11
Soil Organic Matter (SOM)	<0.35 %	TM132		2.52 #	2.19 #	0.938 #	1.14 #	2.76 #	2.91 #
pH	1 pH Units	TM133		8.07 M	8.42 M	8.22 M	8.53 M	8.54 M	8.43 M
Arsenic	<0.6 mg/kg	TM181		34.2 M	21.9 M	25.6 M	23 M	29.6 M	20 M
Cadmium	<0.02 mg/kg	TM181		0.412 M	0.435 M	0.326 M	0.304 M	0.38 M	0.449 M
Chromium	<0.9 mg/kg	TM181		26.9 M	16 M	28.9 M	26.2 M	28.6 M	16.4 M
Copper	<1.4 mg/kg	TM181		66.6 M	75.1 M	54 M	65.4 M	70.2 M	54.1 M
Lead	<0.7 mg/kg	TM181		81.4 M	102 M	58.7 M	76.7 M	70.5 M	99.2 M
Mercury	<0.14 mg/kg	TM181		0.473 M	1.65 M	0.608 M	1.23 M	0.978 M	0.499 M
Nickel	<0.2 mg/kg	TM181		30 M	26.4 M	27.8 M	24.5 M	29.8 M	30.5 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		17.7 #	18.5 #	17.4 #	17.5 #	17.9 #	17.4 #
Zinc	<1.9 mg/kg	TM181		247 M	302 M	190 M	208 M	208 M	552 M

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP45	P1TP45	P1TP45	P1TP46	P1TP46	P1TP46
			Depth (m)	1.10	2.00	2.80	0.30	1.00	2.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			SDG Ref	140116-33	140116-33	140116-33	140116-33	140116-33	140116-33
			Lab Sample No.(s)	8692378	8692379	8692380	8692381	8692382	8692384
			AGS Reference						
Moisture Content Ratio	%	PM024		11	9.8	8.8	12	12	14
Soil Organic Matter (SOM)	<0.35 %	TM132		1.45 #	1.47 #	1.11 #	1.19 #	1.58 #	2.47 #
pH	1 pH Units	TM133		9.65 M	8.71 M	8.11 M	8.44 M	8.69 M	8.8 M
Arsenic	<0.6 mg/kg	TM181		22.5 M	32.5 M	16.9 M	20 M	17.1 M	22.8 M
Cadmium	<0.02 mg/kg	TM181		0.377 M	0.661 M	0.237 M	0.254 M	0.287 M	0.491 M
Chromium	<0.9 mg/kg	TM181		23.1 M	23.5 M	25.3 M	22.2 M	15.4 M	14.9 M
Copper	<1.4 mg/kg	TM181		55.9 M	101 M	49.4 M	42.3 M	43.4 M	147 M
Lead	<0.7 mg/kg	TM181		77 M	203 M	71.3 M	31.1 M	78.7 M	96.8 M
Mercury	<0.14 mg/kg	TM181		1.41 M	4.08 M	1.09 M	0.378 M	0.302 M	0.329 M
Nickel	<0.2 mg/kg	TM181		25.7 M	35.1 M	27.3 M	17.9 M	27.5 M	23.8 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		17.1 #	20.1 #	16.6 #	14.4 #	15.3 #	15.4 #
Zinc	<1.9 mg/kg	TM181		281 M	709 M	183 M	118 M	208 M	284 M

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.					
			P1TP46	P1TP46				
			Depth (m)	3.00	3.20			
			Sample Type	Soil/Solid	Soil/Solid			
			Date Sampled	15/01/2014	15/01/2014			
			Sample Time	.	.			
			Date Received	16/01/2014	16/01/2014			
			SDG Ref	140116-33	140116-33			
			Lab Sample No.(s)	8692385	8692386			
			AGS Reference					
Moisture Content Ratio	%	PM024	13	14				
Soil Organic Matter (SOM)	<0.35 %	TM132	2.21 #	1.51 #				
pH	1 pH Units	TM133	9.64 M	8.38 M				
Arsenic	<0.6 mg/kg	TM181	23.1 M	14.9 M				
Cadmium	<0.02 mg/kg	TM181	0.452 M	0.283 M				
Chromium	<0.9 mg/kg	TM181	16.6 M	14.6 M				
Copper	<1.4 mg/kg	TM181	87.8 M	42.1 M				
Lead	<0.7 mg/kg	TM181	127 M	62.7 M				
Mercury	<0.14 mg/kg	TM181	0.465 M	0.398 M				
Nickel	<0.2 mg/kg	TM181	28 M	27.5 M				
Selenium	<1 mg/kg	TM181	<1 #	<1 #				
Vanadium	<0.2 mg/kg	TM181	17.5 #	15.4 #				
Zinc	<1.9 mg/kg	TM181	325 M	184 M				

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP33	P1TP33	P1TP33	P1TP33	P1TP34	P1TP34
			Depth (m)	0.20	1.00	1.90	2.10	0.30	1.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			SDG Ref	140116-33	140116-33	140116-33	140116-33	140116-33	140116-33
			Lab Sample No.(s)	8692356	8692358	8692360	8692363	8692347	8692349
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	244	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	143	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	131	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		554	<100	317	<100	578	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP33	P1TP33	P1TP33	P1TP33	P1TP34	P1TP34
			Depth (m)	0.20	1.00	1.90	2.10	0.30	1.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			SDG Ref	140116-33	140116-33	140116-33	140116-33	140116-33	140116-33
			Lab Sample No.(s)	8692356	8692358	8692360	8692363	8692347	8692349
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		169	<100	<100	<100	<100	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	171	<100	<100	<100
Anthracene	<100 µg/kg	TM157		163	<100	797	<100	122	<100
Benzo(a)anthracene	<100 µg/kg	TM157		594	230	1050	124	498	462
Benzo(b)fluoranthene	<100 µg/kg	TM157		477	237	651	124	505	509
Benzo(k)fluoranthene	<100 µg/kg	TM157		467	193	684	<100	400	396
Benzo(a)pyrene	<100 µg/kg	TM157		589	224	813	111	499	500
Benzo(g,h,i)perylene	<100 µg/kg	TM157		342	140	383	<100	277	315
Chrysene	<100 µg/kg	TM157		690	309	1030	210	565	576
Fluoranthene	<100 µg/kg	TM157		1090	396	2190	133	858	749
Fluorene	<100 µg/kg	TM157		<100	<100	270	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		289	125	372	<100	246	269
Phenanthrene	<100 µg/kg	TM157		583	228	2090	111	455	401
Pyrene	<100 µg/kg	TM157		1020	384	1850	155	750	685
Naphthalene	<100 µg/kg	TM157		155	<100	<100	<100	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

Semi Volatile Organic Compounds

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP34	P1TP34	P1TP35	P1TP35	P1TP35	P1TP36
			Depth (m)	2.00	2.30	0.20	1.10	1.90	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			SDG Ref	140116-33	140116-33	140116-33	140116-33	140116-33	140116-33
			Lab Sample No.(s)	8692351	8692353	8692339	8692341	8692344	8692333
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	256	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP34	P1TP34	P1TP35	P1TP35	P1TP35	P1TP36
			Depth (m)	2.00	2.30	0.20	1.10	1.90	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			SDG Ref	140116-33	140116-33	140116-33	140116-33	140116-33	140116-33
			Lab Sample No.(s)	8692351	8692353	8692339	8692341	8692344	8692333
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		126	<100	159	142	<100	129
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	132	<100	<100
Anthracene	<100 µg/kg	TM157		159	<100	<100	277	<100	151
Benzo(a)anthracene	<100 µg/kg	TM157		636	<100	560	728	<100	689
Benzo(b)fluoranthene	<100 µg/kg	TM157		666	118	629	711	132	735
Benzo(k)fluoranthene	<100 µg/kg	TM157		551	<100	494	622	<100	576
Benzo(a)pyrene	<100 µg/kg	TM157		675	<100	621	744	123	742
Benzo(g,h,i)perylene	<100 µg/kg	TM157		441	<100	391	493	<100	425
Chrysene	<100 µg/kg	TM157		809	149	726	829	159	793
Fluoranthene	<100 µg/kg	TM157		1060	113	896	1450	148	1110
Fluorene	<100 µg/kg	TM157		<100	<100	<100	123	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		385	<100	334	422	<100	371
Phenanthrene	<100 µg/kg	TM157		552	<100	464	983	143	612
Pyrene	<100 µg/kg	TM157		990	112	900	1240	173	1040
Naphthalene	<100 µg/kg	TM157		119	<100	137	<100	<100	127
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		113	<100	<100	120	<100	124

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP36	P1TP36	P1TP37	P1TP37	P1TP37	P1TP37
			Depth (m)	1.00	1.90	0.30	0.90	2.00	2.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			SDG Ref	140116-33	140116-33	140116-33	140116-33	140116-33	140116-33
			Lab Sample No.(s)	8692335	8692337	8692324	8692326	8692328	8692331
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	216	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

Semi Volatile Organic Compounds

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP36	P1TP36	P1TP37	P1TP37	P1TP37	P1TP37
			Depth (m)	1.00	1.90	0.30	0.90	2.00	2.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			SDG Ref	140116-33	140116-33	140116-33	140116-33	140116-33	140116-33
			Lab Sample No.(s)	8692335	8692337	8692324	8692326	8692328	8692331
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		<100	484	172	<100	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		489	276	398	192	127	<100
Benzo(b)fluoranthene	<100 µg/kg	TM157		490	345	252	207	122	<100
Benzo(k)fluoranthene	<100 µg/kg	TM157		439	262	280	176	<100	<100
Benzo(a)pyrene	<100 µg/kg	TM157		529	340	345	199	139	<100
Benzo(g,h,i)perylene	<100 µg/kg	TM157		333	235	163	142	<100	<100
Chrysene	<100 µg/kg	TM157		654	411	414	259	170	119
Fluoranthene	<100 µg/kg	TM157		757	451	803	354	205	126
Fluorene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		290	196	148	118	<100	<100
Phenanthrene	<100 µg/kg	TM157		429	295	601	229	146	<100
Pyrene	<100 µg/kg	TM157		718	406	718	334	193	121
Naphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

Semi Volatile Organic Compounds

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP38	P1TP38	P1TP38	P1TP43	P1TP43	P1TP43
			Depth (m)	0.20	1.00	2.00	0.20	1.00	2.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			SDG Ref	140116-33	140116-33	140116-33	140116-33	140116-33	140116-33
			Lab Sample No.(s)	8692318	8692320	8692322	8692365	8692366	8692367
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100	328
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	835
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

Semi Volatile Organic Compounds

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP38	P1TP38	P1TP38	P1TP43	P1TP43	P1TP43
			Depth (m)	0.20	1.00	2.00	0.20	1.00	2.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			SDG Ref	140116-33	140116-33	140116-33	140116-33	140116-33	140116-33
			Lab Sample No.(s)	8692318	8692320	8692322	8692365	8692366	8692367
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	218
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	635
Anthracene	<100 µg/kg	TM157		137	317	173	<100	<100	1070
Benzo(a)anthracene	<100 µg/kg	TM157		493	323	450	237	710	4040
Benzo(b)fluoranthene	<100 µg/kg	TM157		351	291	370	285	593	3370
Benzo(k)fluoranthene	<100 µg/kg	TM157		363	264	332	225	469	2610
Benzo(a)pyrene	<100 µg/kg	TM157		416	299	394	283	593	3160
Benzo(g,h,i)perylene	<100 µg/kg	TM157		200	172	204	217	308	1680
Chrysene	<100 µg/kg	TM157		492	388	505	311	960	5150
Fluoranthene	<100 µg/kg	TM157		879	587	856	295	837	6160
Fluorene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	641
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		184	149	188	177	270	1550
Phenanthrene	<100 µg/kg	TM157		555	351	630	177	409	5170
Pyrene	<100 µg/kg	TM157		739	517	812	310	845	5240
Naphthalene	<100 µg/kg	TM157		132	<100	117	<100	<100	151
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	131	638

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP43	P1TP44	P1TP44	P1TP44	P1TP44	P1TP45
			Depth (m)	3.00	0.40	1.20	2.00	2.70	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			SDG Ref	140116-33	140116-33	140116-33	140116-33	140116-33	140116-33
			Lab Sample No.(s)	8692368	8692370	8692371	8692374	8692375	8692376
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	118	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

Semi Volatile Organic Compounds

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP43	P1TP44	P1TP44	P1TP44	P1TP44	P1TP45
			Depth (m)	3.00	0.40	1.20	2.00	2.70	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			SDG Ref	140116-33	140116-33	140116-33	140116-33	140116-33	140116-33
			Lab Sample No.(s)	8692368	8692370	8692371	8692374	8692375	8692376
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	118	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	124	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		<100	158	<100	<100	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		498	714	136	482	391	284
Benzo(b)fluoranthene	<100 µg/kg	TM157		561	811	144	477	411	317
Benzo(k)fluoranthene	<100 µg/kg	TM157		409	660	133	406	322	247
Benzo(a)pyrene	<100 µg/kg	TM157		537	872	168	538	447	287
Benzo(g,h,i)perylene	<100 µg/kg	TM157		452	584	119	348	290	176
Chrysene	<100 µg/kg	TM157		931	927	175	624	549	334
Fluoranthene	<100 µg/kg	TM157		564	1090	187	729	535	342
Fluorene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		366	503	<100	306	242	159
Phenanthrene	<100 µg/kg	TM157		770	688	166	518	512	167
Pyrene	<100 µg/kg	TM157		812	982	195	687	550	324
Naphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		125	142	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP45	P1TP45	P1TP45	P1TP46	P1TP46	P1TP46
			Depth (m)	1.10	2.00	2.80	0.30	1.00	2.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			SDG Ref	140116-33	140116-33	140116-33	140116-33	140116-33	140116-33
			Lab Sample No.(s)	8692378	8692379	8692380	8692381	8692382	8692384
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	9800
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		114	197	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	136	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

Semi Volatile Organic Compounds

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP45	P1TP45	P1TP45	P1TP46	P1TP46	P1TP46
			Depth (m)	1.10	2.00	2.80	0.30	1.00	2.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			SDG Ref	140116-33	140116-33	140116-33	140116-33	140116-33	140116-33
			Lab Sample No.(s)	8692378	8692379	8692380	8692381	8692382	8692384
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	123	<100	<100	<100	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		127	139	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		144	301	<100	<100	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		701	1360	309	<100	204	130
Benzo(b)fluoranthene	<100 µg/kg	TM157		815	1530	258	<100	155	<100
Benzo(k)fluoranthene	<100 µg/kg	TM157		723	1310	261	<100	146	<100
Benzo(a)pyrene	<100 µg/kg	TM157		955	1690	328	<100	172	127
Benzo(g,h,i)perylene	<100 µg/kg	TM157		680	1350	229	<100	<100	<100
Chrysene	<100 µg/kg	TM157		890	1600	383	156	238	185
Fluoranthene	<100 µg/kg	TM157		1110	2020	486	<100	335	236
Fluorene	<100 µg/kg	TM157		<100	123	<100	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		562	1100	190	<100	<100	<100
Phenanthrene	<100 µg/kg	TM157		654	1220	346	<100	199	122
Pyrene	<100 µg/kg	TM157		1020	1860	508	<100	283	238
Naphthalene	<100 µg/kg	TM157		<100	214	<100	<100	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		164	309	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.					
			P1TP46	P1TP46				
			Depth (m)	3.00	3.20			
			Sample Type	Soil/Solid	Soil/Solid			
			Date Sampled	15/01/2014	15/01/2014			
			Sample Time	.	.			
			Date Received	16/01/2014	16/01/2014			
			SDG Ref	140116-33	140116-33			
			Lab Sample No.(s)	8692385	8692386			
			AGS Reference					
Phenol	<100 µg/kg	TM157	<100	<100				
Pentachlorophenol	<100 µg/kg	TM157	<100	<100				
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157	<100	<100				
Nitrobenzene	<100 µg/kg	TM157	<100	<100				
Isophorone	<100 µg/kg	TM157	<100	<100				
Hexachloroethane	<100 µg/kg	TM157	<100	<100				
Hexachlorocyclopentadiene	<100 µg/kg	TM157	<100	<100				
Hexachlorobutadiene	<100 µg/kg	TM157	<100	<100				
Hexachlorobenzene	<100 µg/kg	TM157	<100	<100				
n-Dioctyl phthalate	<100 µg/kg	TM157	<100	<100				
Dimethyl phthalate	<100 µg/kg	TM157	<100	<100				
Diethyl phthalate	<100 µg/kg	TM157	<100	<100				
n-Dibutyl phthalate	<100 µg/kg	TM157	<100	<100				
Dibenzofuran	<100 µg/kg	TM157	<100	<100				
Carbazole	<100 µg/kg	TM157	<100	<100				
Butylbenzyl phthalate	<100 µg/kg	TM157	<100	<100				
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157	<100	<100				
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157	<100	<100				
bis(2-Chloroethyl)ether	<100 µg/kg	TM157	<100	<100				
Azobenzene	<100 µg/kg	TM157	<100	<100				
4-Nitrophenol	<100 µg/kg	TM157	<100	<100				
4-Nitroaniline	<100 µg/kg	TM157	<100	<100				
4-Methylphenol	<100 µg/kg	TM157	<100	<100				
4-Chlorophenylphenylether	<100 µg/kg	TM157	<100	<100				
4-Chloroaniline	<100 µg/kg	TM157	<100	<100				
4-Chloro-3-methylphenol	<100 µg/kg	TM157	<100	<100				
4-Bromophenylphenylether	<100 µg/kg	TM157	<100	<100				
3-Nitroaniline	<100 µg/kg	TM157	<100	<100				
2-Nitrophenol	<100 µg/kg	TM157	<100	<100				
2-Nitroaniline	<100 µg/kg	TM157	<100	<100				
2-Methylphenol	<100 µg/kg	TM157	<100	<100				
1,2,4-Trichlorobenzene	<100 µg/kg	TM157	<100	<100				

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP46	P1TP46				
			Depth (m)	3.00	3.20				
			Sample Type	Soil/Solid	Soil/Solid				
			Date Sampled	15/01/2014	15/01/2014				
			Sample Time	.	.				
			Date Received	16/01/2014	16/01/2014				
			SDG Ref	140116-33	140116-33				
			Lab Sample No.(s)	8692385	8692386				
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100				
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100				
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100				
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100				
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100				
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100				
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100				
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100				
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100				
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100				
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100				
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100				
Acenaphthylene	<100 µg/kg	TM157		<100	<100				
Acenaphthene	<100 µg/kg	TM157		<100	<100				
Anthracene	<100 µg/kg	TM157		<100	<100				
Benzo(a)anthracene	<100 µg/kg	TM157		119	<100				
Benzo(b)fluoranthene	<100 µg/kg	TM157		115	<100				
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	<100				
Benzo(a)pyrene	<100 µg/kg	TM157		117	<100				
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	<100				
Chrysene	<100 µg/kg	TM157		170	136				
Fluoranthene	<100 µg/kg	TM157		190	162				
Fluorene	<100 µg/kg	TM157		<100	<100				
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	<100				
Phenanthrene	<100 µg/kg	TM157		195	125				
Pyrene	<100 µg/kg	TM157		264	172				
Naphthalene	<100 µg/kg	TM157		<100	<100				
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100				

CERTIFICATE OF ANALYSIS

SDG: 140116-33 **Location:** Coed Darcy **Order Number:** CD0596
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294751
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 260613

TPH CWG (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP33	P1TP33	P1TP33	P1TP33	P1TP34	P1TP34
			Depth (m)	0.20	1.00	1.90	2.10	0.30	1.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			SDG Ref	140116-33	140116-33	140116-33	140116-33	140116-33	140116-33
			Lab Sample No.(s)	8692356	8692358	8692360	8692363	8692347	8692349
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		66	71	71	74	74	70
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		1070 M	967 M	925 M	467 M	677 M	1750 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		12.2 M	7.77 M	6.66 M	2.12 M	<2 M	9.86 M
Ethylbenzene	<3 µg/kg	TM089		5.55 M	5.55 M	5.55 M	<3 M	4.52 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		12.2 M	6.66 M	<6 M	<6 M	12.4 M	<6 M
o-Xylene	<3 µg/kg	TM089		15.5 M	<3 M	11.1 M	3.18 M	7.91 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		27.7	<9	11.1	<9	20.3	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		45.5	<24	<24	<24	24.8	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		20	14.4	14.4	10.6	18.1	15.3
Aliphatics >C6-C8	<10 µg/kg	TM089		79.9	68.8	59.9	47.7	64.4	123
Aliphatics >C8-C10	<10 µg/kg	TM089		172	188	157	89	101	412
Aliphatics >C10-C12	<10 µg/kg	TM089		381	329	336	150	241	546
Aliphatics >C12-C16	<100 µg/kg	TM173		24100	20600	26200	2520	25100	29400
Aliphatics >C16-C21	<100 µg/kg	TM173		45900	39400	49200	7580	61900	60700
Aliphatics >C21-C35	<100 µg/kg	TM173		160000	154000	269000	43800	237000	219000
Aliphatics >C35-C44	<100 µg/kg	TM173		49400	48600	69800	13100	72900	82700
Total Aliphatics >C12-C44	<100 µg/kg	TM173		280000	263000	415000	67000	397000	392000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		12.2	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		148	140	127	65.7	91.5	278
Aromatics >EC10-EC12	<10 µg/kg	TM089		254	219	224	101	160	364
Aromatics >EC12-EC16	<100 µg/kg	TM173		8550	5330	5940	1630	8650	7640
Aromatics >EC16-EC21	<100 µg/kg	TM173		36900	24600	29400	6270	33000	38000
Aromatics >EC21-EC35	<100 µg/kg	TM173		164000	128000	220000	44900	139000	188000
Aromatics >EC35-EC44	<100 µg/kg	TM173		75100	49000	63000	12300	70300	79200
Aromatics >EC40-EC44	<100 µg/kg	TM173		31800	21100	25800	4760	30000	33100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		284000	207000	318000	65200	250000	312000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		565000	471000	734000	133000	648000	706000

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP34	P1TP34	P1TP35	P1TP35	P1TP35	P1TP36
			Depth (m)	2.00	2.30	0.20	1.10	1.90	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			SDG Ref	140116-33	140116-33	140116-33	140116-33	140116-33	140116-33
			Lab Sample No.(s)	8692351	8692353	8692339	8692341	8692344	8692333
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		79	88	67	69	74	52
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		622 M	1290 M	646 M	1430 M	2410 M	1080 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	9.9 M	8.96 M	<2 M	14.3 M
Ethylbenzene	<3 µg/kg	TM089		3.29 M	<3 M	3.3 M	<3 M	<3 M	3.3 M
m,p-Xylene	<6 µg/kg	TM089		13.2 M	<6 M	9.9 M	<6 M	<6 M	9.9 M
o-Xylene	<3 µg/kg	TM089		5.49 M	<3 M	8.8 M	8.96 M	9.79 M	3.3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		18.7	<9	18.7	<9	9.79	13.2
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	31.9	<24	<24	30.8
Aliphatics >C5-C6	<10 µg/kg	TM089		14.3	11	15.4	15.7	10.9	29.7
Aliphatics >C6-C8	<10 µg/kg	TM089		49.4	84.5	60.5	79.5	92.5	106
Aliphatics >C8-C10	<10 µg/kg	TM089		95.4	316	94.6	296	456	189
Aliphatics >C10-C12	<10 µg/kg	TM089		226	399	226	489	919	353
Aliphatics >C12-C16	<100 µg/kg	TM173		28300	22700	23700	44300	65100	30200
Aliphatics >C16-C21	<100 µg/kg	TM173		51800	48000	52600	81800	76700	63900
Aliphatics >C21-C35	<100 µg/kg	TM173		163000	145000	179000	341000	93300	205000
Aliphatics >C35-C44	<100 µg/kg	TM173		46800	45400	69100	175000	38100	86800
Total Aliphatics >C12-C44	<100 µg/kg	TM173		289000	261000	324000	643000	273000	386000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	14.3
Aromatics >EC8-EC10	<10 µg/kg	TM089		85.6	214	85.8	212	314	144
Aromatics >EC10-EC12	<10 µg/kg	TM089		150	267	151	326	613	235
Aromatics >EC12-EC16	<100 µg/kg	TM173		7150	8380	10200	13400	50400	12800
Aromatics >EC16-EC21	<100 µg/kg	TM173		30400	29200	33700	87000	59000	46000
Aromatics >EC21-EC35	<100 µg/kg	TM173		114000	138000	141000	542000	82400	212000
Aromatics >EC35-EC44	<100 µg/kg	TM173		54600	53200	74600	406000	34300	132000
Aromatics >EC40-EC44	<100 µg/kg	TM173		23700	21600	30800	174000	14100	59700
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		206000	229000	260000	1050000	226000	403000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		496000	492000	585000	1690000	502000	790000

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sample Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
			P1TP36	1.00	Soil/Solid	15/01/2014	.	16/01/2014	140116-33	8692335	
			P1TP36	1.90	Soil/Solid	15/01/2014	.	16/01/2014	140116-33	8692337	
			P1TP37	0.30	Soil/Solid	15/01/2014	.	16/01/2014	140116-33	8692324	
			P1TP37	0.90	Soil/Solid	15/01/2014	.	16/01/2014	140116-33	8692326	
			P1TP37	2.00	Soil/Solid	15/01/2014	.	16/01/2014	140116-33	8692328	
			P1TP37	2.10	Soil/Solid	15/01/2014	.	16/01/2014	140116-33	8692331	
GRO Surrogate % recovery**	%	TM089	67	84	63	69	80	76			
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	5690 M	840 M	1110 M	2560 M	2470 M	2770 M			
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<5 M	<5 M	<5 M	<5 M	<5 M	<5 M			
Benzene	<10 µg/kg	TM089	<10 M	<10 M	<10 M	<10 M	<10 M	<10 M			
Toluene	<2 µg/kg	TM089	<2 M	4.44 M	19.6 M	10.4 M	5.7 M	11.3 M			
Ethylbenzene	<3 µg/kg	TM089	<3 M	<3 M	9.2 M	<3 M	<3 M	<3 M			
m,p-Xylene	<6 µg/kg	TM089	<6 M	<6 M	18.4 M	9.28 M	<6 M	6.78 M			
o-Xylene	<3 µg/kg	TM089	<3 M	4.44 M	9.2 M	<3 M	<3 M	<3 M			
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	<9	27.6	9.28	<9	<9			
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	<24	56.4	<24	<24	<24			
Aliphatics >C5-C6	<10 µg/kg	TM089	17.3	<10	23	22	20.5	19.2			
Aliphatics >C6-C8	<10 µg/kg	TM089	565	47.7	98.9	280	332	271			
Aliphatics >C8-C10	<10 µg/kg	TM089	1780	172	207	648	640	667			
Aliphatics >C10-C12	<10 µg/kg	TM089	1280	289	346	689	625	801			
Aliphatics >C12-C16	<100 µg/kg	TM173	45300	26600	14100	33900	27100	18400			
Aliphatics >C16-C21	<100 µg/kg	TM173	83900	62800	36800	56100	46900	42100			
Aliphatics >C21-C35	<100 µg/kg	TM173	225000	288000	160000	199000	161000	152000			
Aliphatics >C35-C44	<100 µg/kg	TM173	73800	129000	66000	61200	55600	57800			
Total Aliphatics >C12-C44	<100 µg/kg	TM173	428000	507000	276000	350000	290000	270000			
Aromatics >EC5-EC7	<10 µg/kg	TM089	<10	<10	<10	<10	<10	<10			
Aromatics >EC7-EC8	<10 µg/kg	TM089	<10	<10	19.6	10.4	<10	11.3			
Aromatics >EC8-EC10	<10 µg/kg	TM089	1190	122	175	442	431	452			
Aromatics >EC10-EC12	<10 µg/kg	TM089	855	193	231	459	416	534			
Aromatics >EC12-EC16	<100 µg/kg	TM173	15600	10900	31600	8890	9390	9060			
Aromatics >EC16-EC21	<100 µg/kg	TM173	51900	40800	172000	35000	31800	27000			
Aromatics >EC21-EC35	<100 µg/kg	TM173	196000	232000	394000	149000	141000	119000			
Aromatics >EC35-EC44	<100 µg/kg	TM173	72500	120000	175000	68600	63600	56600			
Aromatics >EC40-EC44	<100 µg/kg	TM173	29100	54400	72400	29500	27100	24600			
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	336000	404000	773000	262000	246000	212000			
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	769000	912000	1050000	614000	538000	484000			

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP38	P1TP38	P1TP38	P1TP43	P1TP43	P1TP43
			Depth (m)	0.20	1.00	2.00	0.20	1.00	2.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			SDG Ref	140116-33	140116-33	140116-33	140116-33	140116-33	140116-33
			Lab Sample No.(s)	8692318	8692320	8692322	8692365	8692366	8692367
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		66	65	66	80	91	69
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		1090 M	1010 M	1170 M	4510 M	1390 M	3200 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		21.9 M	13.4 M	16 M	<2 M	<2 M	14.7 M
Ethylbenzene	<3 µg/kg	TM089		10.4 M	5.6 M	11.4 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		23 M	16.8 M	18.2 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		12.7 M	3.36 M	5.7 M	<3 M	5.65 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		35.7	20.2	23.9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		68	39.2	51.3	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		26.5	22.4	26.2	11.2	<10	13.6
Aliphatics >C6-C8	<10 µg/kg	TM089		104	85.1	115	144	47.5	129
Aliphatics >C8-C10	<10 µg/kg	TM089		225	170	231	1220	193	481
Aliphatics >C10-C12	<10 µg/kg	TM089		304	345	350	1390	602	1340
Aliphatics >C12-C16	<100 µg/kg	TM173		22900	25700	42400	18200	84000	59700
Aliphatics >C16-C21	<100 µg/kg	TM173		52100	51500	92100	25500	106000	85500
Aliphatics >C21-C35	<100 µg/kg	TM173		192000	164000	347000	156000	107000	139000
Aliphatics >C35-C44	<100 µg/kg	TM173		72700	52300	122000	35300	35300	39500
Total Aliphatics >C12-C44	<100 µg/kg	TM173		340000	293000	603000	235000	332000	324000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		21.9	13.4	16	<10	<10	14.7
Aromatics >EC8-EC10	<10 µg/kg	TM089		197	139	189	814	137	321
Aromatics >EC10-EC12	<10 µg/kg	TM089		202	231	234	926	401	894
Aromatics >EC12-EC16	<100 µg/kg	TM173		8530	7900	10900	2890	71400	42500
Aromatics >EC16-EC21	<100 µg/kg	TM173		30400	34500	54000	30200	87900	103000
Aromatics >EC21-EC35	<100 µg/kg	TM173		123000	137000	253000	173000	98900	228000
Aromatics >EC35-EC44	<100 µg/kg	TM173		61600	69600	114000	58800	50100	94100
Aromatics >EC40-EC44	<100 µg/kg	TM173		26600	32800	53700	22100	24400	40400
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		224000	249000	432000	265000	308000	468000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		565000	543000	1040000	505000	642000	795000

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP43	P1TP44	P1TP44	P1TP44	P1TP44	P1TP45
			Depth (m)	3.00	0.40	1.20	2.00	2.70	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			SDG Ref	140116-33	140116-33	140116-33	140116-33	140116-33	140116-33
			Lab Sample No.(s)	8692368	8692370	8692371	8692374	8692375	8692376
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		60	53	71	75	72	71
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		2460 M	748 M	4070 M	5230 M	4380 M	3020 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	13.3 M	219 M	<10 M
Toluene	<2 µg/kg	TM089		8.05 M	13.7 M	<2 M	17.8 M	311 M	2.26 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	4.56 M	26.9 M	<3 M	26 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	15.7 M	<6 M	15.8 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	15.7	<9	15.8	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	42.6	31.1	572	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		15	17.1	17.9	14.4	21.5	10.2
Aliphatics >C6-C8	<10 µg/kg	TM089		115	73	282	225	231	119
Aliphatics >C8-C10	<10 µg/kg	TM089		516	179	1010	1190	791	646
Aliphatics >C10-C12	<10 µg/kg	TM089		871	201	1220	1780	1340	1080
Aliphatics >C12-C16	<100 µg/kg	TM173		20700	20500	21900	25500	16100	33500
Aliphatics >C16-C21	<100 µg/kg	TM173		38700	39300	34300	37300	27400	51400
Aliphatics >C21-C35	<100 µg/kg	TM173		101000	153000	76700	90700	81000	135000
Aliphatics >C35-C44	<100 µg/kg	TM173		27000	38300	11400	29300	19400	43500
Total Aliphatics >C12-C44	<100 µg/kg	TM173		187000	252000	144000	183000	144000	264000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	13.3	219	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	13.7	<10	17.8	311	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		351	129	718	798	570	434
Aromatics >EC10-EC12	<10 µg/kg	TM089		580	133	814	1190	896	721
Aromatics >EC12-EC16	<100 µg/kg	TM173		7280	10900	17900	21500	12900	9000
Aromatics >EC16-EC21	<100 µg/kg	TM173		30100	36100	32500	34300	28600	34400
Aromatics >EC21-EC35	<100 µg/kg	TM173		108000	154000	81300	92000	97800	136000
Aromatics >EC35-EC44	<100 µg/kg	TM173		43300	77500	32800	41500	36800	54900
Aromatics >EC40-EC44	<100 µg/kg	TM173		16900	29600	13100	16900	13800	23400
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		188000	278000	165000	189000	176000	234000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		378000	530000	313000	377000	324000	501000

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP45	P1TP45	P1TP45	P1TP46	P1TP46	P1TP46
			Depth (m)	1.10	2.00	2.80	0.30	1.00	2.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			SDG Ref	140116-33	140116-33	140116-33	140116-33	140116-33	140116-33
			Lab Sample No.(s)	8692378	8692379	8692380	8692381	8692382	8692384
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		67	60	73	78	75	82
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		2960 M	2490 M	19800 M	2650 M	1460 M	2580 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	16.5 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		15.8 M	8.88 M	27.4 M	<2 M	9.12 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	4.56 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		6.78 M	<6 M	<6 M	<6 M	6.84 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	23.9 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	30.7	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	43.9	<24	44.4	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		17	16.7	15.4	12.5	10.3	11.7
Aliphatics >C6-C8	<10 µg/kg	TM089		153	83.3	353	172	63.8	128
Aliphatics >C8-C10	<10 µg/kg	TM089		554	608	2120	578	283	663
Aliphatics >C10-C12	<10 µg/kg	TM089		1100	815	9540	899	524	800
Aliphatics >C12-C16	<100 µg/kg	TM173		7850	16400	209000	19800	15800	27700
Aliphatics >C16-C21	<100 µg/kg	TM173		22800	63300	71300	34000	40300	64800
Aliphatics >C21-C35	<100 µg/kg	TM173		114000	299000	239000	92700	169000	227000
Aliphatics >C35-C44	<100 µg/kg	TM173		26100	192000	77400	20300	60300	70500
Total Aliphatics >C12-C44	<100 µg/kg	TM173		171000	571000	596000	167000	285000	390000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	16.5	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		15.8	<10	27.4	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		376	411	1410	385	223	442
Aromatics >EC10-EC12	<10 µg/kg	TM089		732	544	6360	600	350	534
Aromatics >EC12-EC16	<100 µg/kg	TM173		7040	6520	92200	9670	2230	6520
Aromatics >EC16-EC21	<100 µg/kg	TM173		23500	55100	92300	25000	22500	39300
Aromatics >EC21-EC35	<100 µg/kg	TM173		139000	359000	248000	90000	127000	205000
Aromatics >EC35-EC44	<100 µg/kg	TM173		69300	220000	93900	34000	54100	86200
Aromatics >EC40-EC44	<100 µg/kg	TM173		27900	89800	33800	13200	23100	34600
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		239000	641000	527000	159000	205000	337000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		413000	1210000	1140000	328000	492000	730000

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.				
			P1TP46	P1TP46			
			Depth (m) 3.00	3.20			
			Sample Type Soil/Solid	Soil/Solid			
			Date Sampled 15/01/2014	15/01/2014			
			Sample Time .	.			
			Date Received 16/01/2014	16/01/2014			
			SDG Ref 140116-33	140116-33			
			Lab Sample No.(s) 8692385	8692386			
			AGS Reference				
GRO Surrogate % recovery**	%	TM089	49	61			
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	1430 M	1430 M			
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<5 M	<5 M			
Benzene	<10 µg/kg	TM089	<10 M	<10 M			
Toluene	<2 µg/kg	TM089	5.7 M	<2 M			
Ethylbenzene	<3 µg/kg	TM089	<3 M	<3 M			
m,p-Xylene	<6 µg/kg	TM089	<6 M	<6 M			
o-Xylene	<3 µg/kg	TM089	<3 M	<3 M			
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	<9			
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	<24			
Aliphatics >C5-C6	<10 µg/kg	TM089	13.7	<10			
Aliphatics >C6-C8	<10 µg/kg	TM089	58.1	87			
Aliphatics >C8-C10	<10 µg/kg	TM089	290	296			
Aliphatics >C10-C12	<10 µg/kg	TM089	516	503			
Aliphatics >C12-C16	<100 µg/kg	TM173	28200	28900			
Aliphatics >C16-C21	<100 µg/kg	TM173	58500	40600			
Aliphatics >C21-C35	<100 µg/kg	TM173	178000	107000			
Aliphatics >C35-C44	<100 µg/kg	TM173	59900	44500			
Total Aliphatics >C12-C44	<100 µg/kg	TM173	324000	221000			
Aromatics >EC5-EC7	<10 µg/kg	TM089	<10	<10			
Aromatics >EC7-EC8	<10 µg/kg	TM089	<10	<10			
Aromatics >EC8-EC10	<10 µg/kg	TM089	198	200			
Aromatics >EC10-EC12	<10 µg/kg	TM089	344	336			
Aromatics >EC12-EC16	<100 µg/kg	TM173	9180	7550			
Aromatics >EC16-EC21	<100 µg/kg	TM173	38900	29800			
Aromatics >EC21-EC35	<100 µg/kg	TM173	193000	108000			
Aromatics >EC35-EC44	<100 µg/kg	TM173	88200	43800			
Aromatics >EC40-EC44	<100 µg/kg	TM173	35900	17800			
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	329000	189000			
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	655000	411000			

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP33	P1TP33	P1TP33	P1TP33	P1TP34	P1TP34
			Depth (m)	0.20	1.00	1.90	2.10	0.30	1.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			SDG Ref	140116-33	140116-33	140116-33	140116-33	140116-33	140116-33
			Lab Sample No.(s)	8692356	8692358	8692360	8692363	8692347	8692349
			AGS Reference						
Dibromofluoromethane**	%	TM116		107	108	97.4	103	75.6	112
Toluene-d8**	%	TM116		98.8	100	103	96.1	98.4	100
4-Bromofluorobenzene**	%	TM116		106	106	111	118	107	105
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<80 M	<4 M	<4 M	<80 M	<80 M
Chloromethane	<7 µg/kg	TM116		<140	<140	<7	<7	<140	<140
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<10	<10	<200	<200
Bromomethane	<13 µg/kg	TM116		<260 M	<260 M	<13 M	<13 M	<260 M	<260 M
Chloroethane	<14 µg/kg	TM116		<280 M	<280 M	<14 M	<14 M	<280 M	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<120 M	<6 M	<6 M	<120 M	<120 M
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<10 #	<10 #	<200 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<140 M	14.3 M	<7 M	<140 M	<140 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #	<10 #	<10 #	<200 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<220 M	<11 M	<11 M	<220 M	<220 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 M	<220 M	<11 M	<11 M	<220 M	<220 M
1,1-Dichloroethane	<8 µg/kg	TM116		<160 M	<160 M	<8 M	<8 M	<160 M	<160 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 M	<100 M	<5 M	<5 M	<100 M	<100 M
2,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<12 M	<12 M	<240 M	<240 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<280 M	<14 M	<14 M	<280 M	<280 M
Chloroform	<8 µg/kg	TM116		<160 M	<160 M	<8 M	<8 M	<160 M	<160 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 M	<140 M	<7 M	<7 M	<140 M	<140 M
1,1-Dichloropropene	<11 µg/kg	TM116		<220 M	<220 M	<11 M	<11 M	<220 M	<220 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<280 M	<14 M	<14 M	<280 M	<280 M
1,2-Dichloroethane	<5 µg/kg	TM116		<100 M	<100 M	<5 M	<5 M	<100 M	<100 M
Benzene	<9 µg/kg	TM116		<180 M	<180 M	13.2 M	<9 M	<180 M	<180 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<180 M	<9 M	<9 M	<180 M	<180 M
1,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<12 M	<12 M	<240 M	<240 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<180 M	<9 M	<9 M	<180 M	<180 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<140 M	<7 M	<7 M	<140 M	<140 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 M	<280 M	<14 M	<14 M	<280 M	<280 M
Toluene	<5 µg/kg	TM116		133 M	<100 M	27.7 M	7.96 M	<100 M	<100 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<2000	<100	<100	<2000	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 M	<200 M	<10 M	<10 M	<200 M	<200 M

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP33	P1TP33	P1TP33	P1TP33	P1TP34	P1TP34
			Depth (m)	0.20	1.00	1.90	2.10	0.30	1.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			SDG Ref	140116-33	140116-33	140116-33	140116-33	140116-33	140116-33
			Lab Sample No.(s)	8692356	8692358	8692360	8692363	8692347	8692349
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<7 #	<7 #	<140 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<100 M	<5 M	<5 M	<100 M	<100 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<260 M	<13 M	<13 M	<260 M	<260 M
1,2-Dibromoethane	<12 µg/kg	TM116		<240 M	<240 M	<12 M	<12 M	<240 M	<240 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<5 M	<5 M	<100 M	<100 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<200 M	<10 M	<10 M	<200 M	<200 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<80 M	<4 M	<4 M	<80 M	<80 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<14 #	<14 #	<280 #	<280 #
o-Xylene	<10 µg/kg	TM116		<200 M	<200 M	<10 M	<10 M	<200 M	<200 M
Styrene	<10 µg/kg	TM116		<200 M	<200 M	<10 M	<10 M	<200 M	<200 M
Bromoform	<10 µg/kg	TM116		<200 M	<200 M	<10 M	<10 M	<200 M	<200 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<100 M	<5 M	<5 M	<100 M	<100 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<10 #	<10 #	<200 #	<200 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 M	<340 M	<17 M	<17 M	<340 M	<340 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<200 M	<10 M	<10 M	<200 M	<200 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<220 M	<11 M	<11 M	<220 M	<220 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<180 M	<9 M	<9 M	<180 M	<180 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<8 #	<8 #	<160 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<240 M	<12 M	<12 M	<240 M	<240 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<12 #	<12 #	<240 #	<240 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<180 #	<9 #	<9 #	<180 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<10 M	<10 M	<200 M	<200 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<220 M	<11 M	<11 M	<220 M	<220 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<6 M	<6 M	<120 M	<120 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<5 M	<5 M	<100 M	<100 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<10 M	<10 M	<200 M	<200 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<240 M	<12 M	<12 M	<240 M	<240 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<280 M	<14 M	<14 M	<280 M	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<15	<15	<300	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<6 #	<6 #	<120 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<12	<12	<240	<240
Naphthalene	<13 µg/kg	TM116		<260 M	<260 M	<13 M	<13 M	<260 M	<260 M

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sample Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	P1TP33	0.20	Soil/Solid	15/01/2014	.	16/01/2014	140116-33	8692356	
			P1TP33	1.00	Soil/Solid	15/01/2014	.	16/01/2014	140116-33	8692358	
			P1TP33	1.90	Soil/Solid	15/01/2014	.	16/01/2014	140116-33	8692360	
			P1TP33	2.10	Soil/Solid	15/01/2014	.	16/01/2014	140116-33	8692363	
			P1TP34	0.30	Soil/Solid	15/01/2014	.	16/01/2014	140116-33	8692347	
			P1TP34	1.00	Soil/Solid	15/01/2014	.	16/01/2014	140116-33	8692349	

Component	LOD/Units	Method	P1TP33	P1TP33	P1TP33	P1TP33	P1TP34	P1TP34
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	<120 M	<120 M	<6 M	<6 M	<120 M	<120 M

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP34	P1TP34	P1TP35	P1TP35	P1TP35	P1TP36
			Depth (m)	2.00	2.30	0.20	1.10	1.90	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			SDG Ref	140116-33	140116-33	140116-33	140116-33	140116-33	140116-33
			Lab Sample No.(s)	8692351	8692353	8692339	8692341	8692344	8692333
			AGS Reference						
Dibromofluoromethane**	%	TM116		98.4	103	96	106	99.2	110
Toluene-d8**	%	TM116		100	94.1	101	99.7	92.7	99.1
4-Bromofluorobenzene**	%	TM116		103	123	109	107	124	103
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<4 M	<80 M	<80 M	<4 M	<80 M
Chloromethane	<7 µg/kg	TM116		<140	<7	<140	<140	<7	<140
Vinyl Chloride	<10 µg/kg	TM116		<200	<10	<200	<200	<10	<200
Bromomethane	<13 µg/kg	TM116		<260 M	<13 M	<260 M	<260 M	<13 M	<260 M
Chloroethane	<14 µg/kg	TM116		<280 M	<14 M	<280 M	<280 M	<14 M	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<6 M	<120 M	<120 M	<6 M	<120 M
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<10 #	<200 #	<200 #	<10 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	11 M	<140 M	<140 M	15.4 M	<140 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<10 #	<200 #	<200 #	<10 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<11 M	<220 M	<220 M	<11 M	<220 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 M	<11 M	<220 M	<220 M	<11 M	<220 M
1,1-Dichloroethane	<8 µg/kg	TM116		<160 M	<8 M	<160 M	<160 M	<8 M	<160 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 M	<5 M	<100 M	<100 M	<5 M	<100 M
2,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<12 M	<240 M	<240 M	<12 M	<240 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<14 M	<280 M	<280 M	<14 M	<280 M
Chloroform	<8 µg/kg	TM116		<160 M	<8 M	<160 M	<160 M	<8 M	<160 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 M	<7 M	<140 M	<140 M	<7 M	<140 M
1,1-Dichloropropene	<11 µg/kg	TM116		<220 M	<11 M	<220 M	<220 M	<11 M	<220 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<14 M	<280 M	<280 M	<14 M	<280 M
1,2-Dichloroethane	<5 µg/kg	TM116		<100 M	<5 M	<100 M	<100 M	<5 M	<100 M
Benzene	<9 µg/kg	TM116		<180 M	<9 M	<180 M	<180 M	<9 M	<180 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<9 M	<180 M	<180 M	<9 M	<180 M
1,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<12 M	<240 M	<240 M	<12 M	<240 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<9 M	<180 M	<180 M	<9 M	<180 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<7 M	<140 M	<140 M	<7 M	<140 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 M	<14 M	<280 M	<280 M	<14 M	<280 M
Toluene	<5 µg/kg	TM116		123 M	6.93 M	110 M	<100 M	8.65 M	<100 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<100	<2000	<2000	<100	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 M	<10 M	<200 M	<200 M	<10 M	<200 M

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP34	P1TP34	P1TP35	P1TP35	P1TP35	P1TP36
			Depth (m)	2.00	2.30	0.20	1.10	1.90	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			SDG Ref	140116-33	140116-33	140116-33	140116-33	140116-33	140116-33
			Lab Sample No.(s)	8692351	8692353	8692339	8692341	8692344	8692333
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<7 #	<140 #	<140 #	<7 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<5 M	<100 M	<100 M	<5 M	<100 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<13 M	<260 M	<260 M	<13 M	<260 M
1,2-Dibromoethane	<12 µg/kg	TM116		<240 M	<12 M	<240 M	<240 M	<12 M	<240 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<5 M	<100 M	<100 M	<5 M	<100 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<10 M	<200 M	<200 M	<10 M	<200 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<4 M	<80 M	<80 M	<4 M	<80 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<14 #	<280 #	<280 #	<14 #	<280 #
o-Xylene	<10 µg/kg	TM116		<200 M	<10 M	<200 M	<200 M	<10 M	<200 M
Styrene	<10 µg/kg	TM116		<200 M	<10 M	<200 M	<200 M	<10 M	<200 M
Bromoform	<10 µg/kg	TM116		<200 M	<10 M	<200 M	<200 M	<10 M	<200 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<5 M	<100 M	<100 M	<5 M	<100 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<10 #	<200 #	<200 #	<10 #	<200 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 M	<17 M	<340 M	<340 M	<17 M	<340 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<10 M	<200 M	<200 M	<10 M	<200 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<11 M	<220 M	<220 M	<11 M	<220 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<9 M	<180 M	<180 M	<9 M	<180 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<8 #	<160 #	<160 #	<8 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<12 M	<240 M	<240 M	<12 M	<240 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<12 #	<240 #	<240 #	<12 #	<240 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<9 #	<180 #	<180 #	<9 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<10 M	<200 M	<200 M	<10 M	<200 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<11 M	<220 M	<220 M	<11 M	<220 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<6 M	<120 M	<120 M	<6 M	<120 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<5 M	<100 M	<100 M	<5 M	<100 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<10 M	<200 M	<200 M	<10 M	<200 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<12 M	<240 M	<240 M	<12 M	<240 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<14 M	<280 M	<280 M	<14 M	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<15	<300	<300	<15	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<6 #	<120 #	<120 #	<6 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<12	<240	<240	<12	<240
Naphthalene	<13 µg/kg	TM116		<260 M	<13 M	<260 M	<260 M	<13 M	<260 M

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP34	P1TP34	P1TP35	P1TP35	P1TP35	P1TP36
			Depth (m)	2.00	2.30	0.20	1.10	1.90	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			SDG Ref	140116-33	140116-33	140116-33	140116-33	140116-33	140116-33
			Lab Sample No.(s)	8692351	8692353	8692339	8692341	8692344	8692333
			AGS Reference						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116		<120 M	<6 M	<120 M	<120 M	<6 M	<120 M

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP36	P1TP36	P1TP37	P1TP37	P1TP37	P1TP37
			Depth (m)	1.00	1.90	0.30	0.90	2.00	2.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			SDG Ref	140116-33	140116-33	140116-33	140116-33	140116-33	140116-33
			Lab Sample No.(s)	8692335	8692337	8692324	8692326	8692328	8692331
			AGS Reference						
Dibromofluoromethane**	%	TM116		108	109	103	107	112	110
Toluene-d8**	%	TM116		99.8	98.6	101	98.6	101	98.3
4-Bromofluorobenzene**	%	TM116		107	106	106	105	105	107
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
Chloromethane	<7 µg/kg	TM116		<140	<140	<140	<140	<140	<140
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<200	<200	<200	<200
Bromomethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M
Chloroethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
1,1-Dichloroethane	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M	<160 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
2,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Chloroform	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M	<160 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
1,1-Dichloropropene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
1,2-Dichloroethane	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Benzene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
1,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Toluene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<2000	<2000	<2000	<2000	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP36	P1TP36	P1TP37	P1TP37	P1TP37	P1TP37
			Depth (m)	1.00	1.90	0.30	0.90	2.00	2.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			SDG Ref	140116-33	140116-33	140116-33	140116-33	140116-33	140116-33
			Lab Sample No.(s)	8692335	8692337	8692324	8692326	8692328	8692331
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<140 #	<140 #	<140 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M
1,2-Dibromoethane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<280 #	<280 #	<280 #
o-Xylene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Styrene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Bromoform	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 M	<340 M	<340 M	<340 M	<340 M	<340 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<160 #	<160 #	<160 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<240 #	<240 #	<240 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<180 #	<180 #	<180 #	<180 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<300	<300	<300	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<120 #	<120 #	<120 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<240	<240	<240	<240
Naphthalene	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sample Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	P1TP36	1.00	Soil/Solid	15/01/2014	.	16/01/2014	140116-33	8692335	
			<120 M								
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	P1TP36	1.90	Soil/Solid	15/01/2014	.	16/01/2014	140116-33	8692337	
			<120 M								
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	P1TP37	0.30	Soil/Solid	15/01/2014	.	16/01/2014	140116-33	8692324	
			<120 M								
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	P1TP37	0.90	Soil/Solid	15/01/2014	.	16/01/2014	140116-33	8692326	
			<120 M								
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	P1TP37	2.00	Soil/Solid	15/01/2014	.	16/01/2014	140116-33	8692328	
			<120 M								
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	P1TP37	2.10	Soil/Solid	15/01/2014	.	16/01/2014	140116-33	8692331	
			<120 M								

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP38	P1TP38	P1TP38	P1TP43	P1TP43	P1TP43
			Depth (m)	0.20	1.00	2.00	0.20	1.00	2.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			SDG Ref	140116-33	140116-33	140116-33	140116-33	140116-33	140116-33
			Lab Sample No.(s)	8692318	8692320	8692322	8692365	8692366	8692367
			AGS Reference						
Dibromofluoromethane**	%	TM116		100	122	111	89.9	97.6	98
Toluene-d8**	%	TM116		99.6	102	101	95.6	98.2	96.6
4-Bromofluorobenzene**	%	TM116		107	103	106	118	105	117
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<4 M	<80 M	<4 M
Chloromethane	<7 µg/kg	TM116		<140	<140	<140	<7	<140	<7
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<200	<10	<200	<10
Bromomethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<13 M	<260 M	<13 M
Chloroethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<14 M	<280 M	<14 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<6 M	<120 M	<6 M
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<10 #	<200 #	<10 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<140 M	<140 M	15.4 M	<140 M	15.9 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<10 #	<200 #	<10 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<11 M	<220 M	<11 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<11 M	<220 M	<11 M
1,1-Dichloroethane	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<8 M	<160 M	<8 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<5 M	<100 M	<5 M
2,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<12 M	<240 M	<12 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<14 M	<280 M	<14 M
Chloroform	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<8 M	<160 M	<8 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<7 M	<140 M	<7 M
1,1-Dichloropropene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<11 M	<220 M	<11 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<14 M	<280 M	<14 M
1,2-Dichloroethane	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<5 M	<100 M	<5 M
Benzene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<9 M	<180 M	10.9 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<9 M	<180 M	<9 M
1,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<12 M	<240 M	<12 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<9 M	<180 M	<9 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<7 M	<140 M	<7 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<14 M	<280 M	<14 M
Toluene	<5 µg/kg	TM116		135 M	205 M	<100 M	12.8 M	<100 M	19 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<2000	<2000	<100	<2000	<100
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<10 M	<200 M	<10 M

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP38	P1TP38	P1TP38	P1TP43	P1TP43	P1TP43
			Depth (m)	0.20	1.00	2.00	0.20	1.00	2.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			SDG Ref	140116-33	140116-33	140116-33	140116-33	140116-33	140116-33
			Lab Sample No.(s)	8692318	8692320	8692322	8692365	8692366	8692367
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<140 #	<7 #	<140 #	<7 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<5 M	<100 M	<5 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<13 M	<260 M	<13 M
1,2-Dibromoethane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<12 M	<240 M	<12 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<5 M	<100 M	<5 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<10 M	<200 M	<10 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<4 M	<80 M	<4 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<14 #	<280 #	<14 #
o-Xylene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<10 M	<200 M	<10 M
Styrene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<10 M	<200 M	<10 M
Bromoform	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<10 M	<200 M	<10 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<5 M	<100 M	<5 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<10 #	<200 #	<10 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 M	<340 M	<340 M	<17 M	<340 M	<17 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<10 M	<200 M	<10 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<11 M	<220 M	<11 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<9 M	<180 M	<9 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<160 #	<8 #	<160 #	<8 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<12 M	<240 M	<12 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<12 #	<240 #	<12 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<180 #	<180 #	<9 #	<180 #	<9 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<10 M	<200 M	<10 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<11 M	<220 M	<11 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<6 M	<120 M	<6 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<5 M	<100 M	<5 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<10 M	<200 M	<10 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<12 M	<240 M	<12 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<14 M	<280 M	<14 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<300	<15	<300	<15
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<120 #	<6 #	<120 #	<6 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<240	<12	<240	<12
Naphthalene	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<13 M	<260 M	<13 M

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP38	P1TP38	P1TP38	P1TP43	P1TP43	P1TP43
			Depth (m)	0.20	1.00	2.00	0.20	1.00	2.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			SDG Ref	140116-33	140116-33	140116-33	140116-33	140116-33	140116-33
			Lab Sample No.(s)	8692318	8692320	8692322	8692365	8692366	8692367
			AGS Reference						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<6 M	<120 M	<6 M

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP43	P1TP44	P1TP44	P1TP44	P1TP44	P1TP45
			Depth (m)	3.00	0.40	1.20	2.00	2.70	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			SDG Ref	140116-33	140116-33	140116-33	140116-33	140116-33	140116-33
			Lab Sample No.(s)	8692368	8692370	8692371	8692374	8692375	8692376
			AGS Reference						
Dibromofluoromethane**	%	TM116		95	110	111	70	73.1	87.3
Toluene-d8**	%	TM116		94.5	99.8	100	95	96.4	94.7
4-Bromofluorobenzene**	%	TM116		121	106	102	123	117	125
Dichlorodifluoromethane	<4 µg/kg	TM116		<4 M	<80 M	<80 M	<4 M	<4 M	<4 M
Chloromethane	<7 µg/kg	TM116		<7	<140	<140	<7	<7	<7
Vinyl Chloride	<10 µg/kg	TM116		<10	<200	<200	<10	<10	<10
Bromomethane	<13 µg/kg	TM116		<13 M	<260 M	<260 M	<13 M	<13 M	<13 M
Chloroethane	<14 µg/kg	TM116		<14 M	<280 M	<280 M	<14 M	<14 M	<14 M
Trichlorofluorormethane	<6 µg/kg	TM116		<6 M	<120 M	<120 M	<6 M	<6 M	<6 M
1,1-Dichloroethene	<10 µg/kg	TM116		<10 #	<200 #	<200 #	<10 #	<10 #	<10 #
Carbon Disulphide	<7 µg/kg	TM116		20.1 M	<140 M	<140 M	27 M	13.2 M	15 M
Dichloromethane	<10 µg/kg	TM116		<10 #	<200 #	<200 #	<10 #	<10 #	<10 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<11 M	<220 M	<220 M	<11 M	<11 M	<11 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<11 M	<220 M	<220 M	<11 M	<11 M	<11 M
1,1-Dichloroethane	<8 µg/kg	TM116		<8 M	<160 M	<160 M	<8 M	<8 M	<8 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<5 M	<100 M	<100 M	<5 M	<5 M	<5 M
2,2-Dichloropropane	<12 µg/kg	TM116		<12 M	<240 M	<240 M	<12 M	<12 M	<12 M
Bromochloromethane	<14 µg/kg	TM116		<14 M	<280 M	<280 M	<14 M	<14 M	<14 M
Chloroform	<8 µg/kg	TM116		<8 M	<160 M	<160 M	<8 M	<8 M	23.4 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<7 M	<140 M	<140 M	<7 M	<7 M	<7 M
1,1-Dichloropropene	<11 µg/kg	TM116		<11 M	<220 M	<220 M	<11 M	<11 M	<11 M
Carbontetrachloride	<14 µg/kg	TM116		<14 M	<280 M	<280 M	<14 M	<14 M	<14 M
1,2-Dichloroethane	<5 µg/kg	TM116		<5 M	<100 M	<100 M	<5 M	<5 M	<5 M
Benzene	<9 µg/kg	TM116		<9 M	<180 M	<180 M	18 M	481 M	29 M
Trichloroethene	<9 µg/kg	TM116		<9 M	<180 M	<180 M	<9 M	<9 M	<9 M
1,2-Dichloropropane	<12 µg/kg	TM116		<12 M	<240 M	<240 M	<12 M	<12 M	<12 M
Dibromomethane	<9 µg/kg	TM116		<9 M	<180 M	<180 M	<9 M	<9 M	<9 M
Bromodichloromethane	<7 µg/kg	TM116		<7 M	<140 M	<140 M	<7 M	<7 M	<7 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<14 M	<280 M	<280 M	<14 M	<14 M	<14 M
Toluene	<5 µg/kg	TM116		13.6 M	<100 M	<100 M	28.6 M	413 M	18.8 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<100	<2000	<2000	<100	<100	<100
1,1,2-Trichloroethane	<10 µg/kg	TM116		<10 M	<200 M	<200 M	<10 M	<10 M	<10 M

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP43	P1TP44	P1TP44	P1TP44	P1TP44	P1TP45
			Depth (m)	3.00	0.40	1.20	2.00	2.70	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			SDG Ref	140116-33	140116-33	140116-33	140116-33	140116-33	140116-33
			Lab Sample No.(s)	8692368	8692370	8692371	8692374	8692375	8692376
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<7 #	<140 #	<140 #	<7 #	<7 #	<7 #
Tetrachloroethene	<5 µg/kg	TM116		<5 M	<100 M	<100 M	<5 M	<5 M	<5 M
Dibromochloromethane	<13 µg/kg	TM116		<13 M	<260 M	<260 M	<13 M	<13 M	<13 M
1,2-Dibromoethane	<12 µg/kg	TM116		<12 M	<240 M	<240 M	<12 M	<12 M	<12 M
Chlorobenzene	<5 µg/kg	TM116		<5 M	<100 M	<100 M	<5 M	<5 M	<5 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<10 M	<200 M	<200 M	<10 M	<10 M	<10 M
Ethylbenzene	<4 µg/kg	TM116		<4 M	<80 M	<80 M	<4 M	<4 M	<4 M
p/m-Xylene	<14 µg/kg	TM116		<14 #	<280 #	<280 #	<14 #	<14 #	<14 #
o-Xylene	<10 µg/kg	TM116		<10 M	<200 M	<200 M	<10 M	<10 M	<10 M
Styrene	<10 µg/kg	TM116		<10 M	<200 M	<200 M	<10 M	<10 M	<10 M
Bromoform	<10 µg/kg	TM116		<10 M	<200 M	<200 M	<10 M	<10 M	<10 M
Isopropylbenzene	<5 µg/kg	TM116		<5 M	<100 M	<100 M	<5 M	<5 M	<5 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<10 #	<200 #	<200 #	<10 #	<10 #	<10 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<17 M	<340 M	<340 M	<17 M	<17 M	<17 M
Bromobenzene	<10 µg/kg	TM116		<10 M	<200 M	<200 M	<10 M	<10 M	<10 M
Propylbenzene	<11 µg/kg	TM116		<11 M	<220 M	<220 M	<11 M	<11 M	<11 M
2-Chlorotoluene	<9 µg/kg	TM116		<9 M	<180 M	<180 M	<9 M	<9 M	<9 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<8 #	<160 #	<160 #	<8 #	<8 #	<8 #
4-Chlorotoluene	<12 µg/kg	TM116		<12 M	<240 M	<240 M	<12 M	<12 M	<12 M
tert-Butylbenzene	<12 µg/kg	TM116		<12 #	<240 #	<240 #	<12 #	<12 #	<12 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<9 #	<180 #	<180 #	<9 #	<9 #	<9 #
sec-Butylbenzene	<10 µg/kg	TM116		<10 M	<200 M	<200 M	<10 M	<10 M	<10 M
4-Isopropyltoluene	<11 µg/kg	TM116		<11 M	<220 M	<220 M	<11 M	<11 M	<11 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<6 M	<120 M	<120 M	<6 M	<6 M	<6 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<5 M	<100 M	<100 M	<5 M	<5 M	<5 M
n-Butylbenzene	<10 µg/kg	TM116		<10 M	<200 M	<200 M	<10 M	<10 M	<10 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<12 M	<240 M	<240 M	<12 M	<12 M	<12 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<14 M	<280 M	<280 M	<14 M	<14 M	<14 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<15	<300	<300	<15	<15	<15
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<6 #	<120 #	<120 #	<6 #	<6 #	<6 #
Hexachlorobutadiene	<12 µg/kg	TM116		<12	<240	<240	<12	<12	<12
Naphthalene	<13 µg/kg	TM116		<13 M	<260 M	<260 M	<13 M	<13 M	<13 M

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sample Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	P1TP43	3.00	Soil/Solid	15/01/2014	.	16/01/2014	140116-33	8692368	
			<6 M								
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	P1TP44	0.40	Soil/Solid	15/01/2014	.	16/01/2014	140116-33	8692370	
			<120 M								
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	P1TP44	1.20	Soil/Solid	15/01/2014	.	16/01/2014	140116-33	8692371	
			<120 M								
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	P1TP44	2.00	Soil/Solid	15/01/2014	.	16/01/2014	140116-33	8692374	
			<6 M								
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	P1TP44	2.70	Soil/Solid	15/01/2014	.	16/01/2014	140116-33	8692375	
			<6 M								
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	P1TP45	0.20	Soil/Solid	15/01/2014	.	16/01/2014	140116-33	8692376	
			<6 M								

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP45	P1TP45	P1TP45	P1TP46	P1TP46	P1TP46
			Depth (m)	1.10	2.00	2.80	0.30	1.00	2.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			SDG Ref	140116-33	140116-33	140116-33	140116-33	140116-33	140116-33
			Lab Sample No.(s)	8692378	8692379	8692380	8692381	8692382	8692384
			AGS Reference						
Dibromofluoromethane**	%	TM116		108	84.2	112	102	109	92.1
Toluene-d8**	%	TM116		97.7	92.4	99.7	96.1	98.5	93.8
4-Bromofluorobenzene**	%	TM116		103	127	105	115	107	126
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<4 M	<80 M	<4 M	<80 M	<4 M
Chloromethane	<7 µg/kg	TM116		<140	<7	<140	<7	<140	<7
Vinyl Chloride	<10 µg/kg	TM116		<200	<10	<200	<10	<200	<10
Bromomethane	<13 µg/kg	TM116		<260 M	<13 M	<260 M	<13 M	<260 M	<13 M
Chloroethane	<14 µg/kg	TM116		<280 M	<14 M	<280 M	<14 M	<280 M	<14 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<6 M	<120 M	<6 M	<120 M	<6 M
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<10 #	<200 #	<10 #	<200 #	<10 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	20 M	<140 M	13.6 M	<140 M	15.2 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<10 #	<200 #	<10 #	<200 #	<10 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<11 M	<220 M	<11 M	<220 M	<11 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 M	<11 M	<220 M	<11 M	<220 M	<11 M
1,1-Dichloroethane	<8 µg/kg	TM116		<160 M	<8 M	<160 M	<8 M	<160 M	<8 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 M	<5 M	<100 M	<5 M	<100 M	<5 M
2,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<12 M	<240 M	<12 M	<240 M	<12 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<14 M	<280 M	<14 M	<280 M	<14 M
Chloroform	<8 µg/kg	TM116		<160 M	<8 M	<160 M	<8 M	<160 M	<8 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 M	<7 M	<140 M	<7 M	<140 M	<7 M
1,1-Dichloropropene	<11 µg/kg	TM116		<220 M	<11 M	<220 M	<11 M	<220 M	<11 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<14 M	<280 M	<14 M	<280 M	<14 M
1,2-Dichloroethane	<5 µg/kg	TM116		<100 M	<5 M	<100 M	<5 M	<100 M	<5 M
Benzene	<9 µg/kg	TM116		<180 M	<9 M	<180 M	<9 M	<180 M	<9 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<9 M	<180 M	<9 M	<180 M	<9 M
1,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<12 M	<240 M	<12 M	<240 M	<12 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<9 M	<180 M	<9 M	<180 M	<9 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<7 M	<140 M	<7 M	<140 M	<7 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 M	<14 M	<280 M	<14 M	<280 M	<14 M
Toluene	<5 µg/kg	TM116		<100 M	30.4 M	345 M	11.5 M	<100 M	14 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<100	<2000	<100	<2000	<100
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 M	<10 M	<200 M	<10 M	<200 M	<10 M

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP45	P1TP45	P1TP45	P1TP46	P1TP46	P1TP46
			Depth (m)	1.10	2.00	2.80	0.30	1.00	2.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			SDG Ref	140116-33	140116-33	140116-33	140116-33	140116-33	140116-33
			Lab Sample No.(s)	8692378	8692379	8692380	8692381	8692382	8692384
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<7 #	<140 #	<7 #	<140 #	<7 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<5 M	<100 M	<5 M	<100 M	<5 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<13 M	<260 M	<13 M	<260 M	<13 M
1,2-Dibromoethane	<12 µg/kg	TM116		<240 M	<12 M	<240 M	<12 M	<240 M	<12 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<5 M	<100 M	<5 M	<100 M	<5 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<10 M	<200 M	<10 M	<200 M	<10 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<4 M	<80 M	<4 M	<80 M	<4 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<14 #	<280 #	<14 #	<280 #	<14 #
o-Xylene	<10 µg/kg	TM116		<200 M	<10 M	<200 M	<10 M	<200 M	<10 M
Styrene	<10 µg/kg	TM116		<200 M	<10 M	<200 M	<10 M	<200 M	<10 M
Bromoform	<10 µg/kg	TM116		<200 M	<10 M	<200 M	<10 M	<200 M	<10 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<5 M	<100 M	<5 M	<100 M	<5 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<10 #	<200 #	<10 #	<200 #	<10 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 M	<17 M	<340 M	<17 M	<340 M	<17 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<10 M	<200 M	<10 M	<200 M	<10 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<11 M	<220 M	<11 M	<220 M	<11 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<9 M	<180 M	<9 M	<180 M	<9 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<8 #	<160 #	<8 #	<160 #	<8 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<12 M	<240 M	<12 M	<240 M	<12 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<12 #	<240 #	<12 #	<240 #	<12 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<9 #	<180 #	<9 #	<180 #	<9 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<10 M	<200 M	<10 M	<200 M	<10 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<11 M	<220 M	<11 M	<220 M	<11 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<6 M	<120 M	<6 M	<120 M	<6 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<5 M	<100 M	<5 M	<100 M	<5 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<10 M	<200 M	<10 M	<200 M	<10 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<12 M	<240 M	<12 M	<240 M	<12 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<14 M	<280 M	<14 M	<280 M	<14 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<15	<300	<15	<300	<15
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<6 #	<120 #	<6 #	<120 #	<6 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<12	<240	<12	<240	<12
Naphthalene	<13 µg/kg	TM116		<260 M	<13 M	<260 M	<13 M	<260 M	<13 M

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP45	P1TP45	P1TP45	P1TP46	P1TP46	P1TP46
			Depth (m)	1.10	2.00	2.80	0.30	1.00	2.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			SDG Ref	140116-33	140116-33	140116-33	140116-33	140116-33	140116-33
			Lab Sample No.(s)	8692378	8692379	8692380	8692381	8692382	8692384
			AGS Reference						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116		<120 M	<6 M	<120 M	<6 M	<120 M	<6 M

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP46	P1TP46				
			Depth (m)	3.00	3.20				
			Sample Type	Soil/Solid	Soil/Solid				
			Date Sampled	15/01/2014	15/01/2014				
			Sample Time	.	.				
			Date Received	16/01/2014	16/01/2014				
			SDG Ref	140116-33	140116-33				
			Lab Sample No.(s)	8692385	8692386				
			AGS Reference						
Dibromofluoromethane**	%	TM116		110	84.2				
Toluene-d8**	%	TM116		101	94.1				
4-Bromofluorobenzene**	%	TM116		106	126				
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<4 M				
Chloromethane	<7 µg/kg	TM116		<140	<7				
Vinyl Chloride	<10 µg/kg	TM116		<200	<10				
Bromomethane	<13 µg/kg	TM116		<260 M	<13 M				
Chloroethane	<14 µg/kg	TM116		<280 M	<14 M				
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<6 M				
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<10 #				
Carbon Disulphide	<7 µg/kg	TM116		<140 M	21.6 M				
Dichloromethane	<10 µg/kg	TM116		<200 #	<10 #				
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<11 M				
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 M	<11 M				
1,1-Dichloroethane	<8 µg/kg	TM116		<160 M	<8 M				
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 M	<5 M				
2,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<12 M				
Bromochloromethane	<14 µg/kg	TM116		<280 M	<14 M				
Chloroform	<8 µg/kg	TM116		<160 M	<8 M				
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 M	<7 M				
1,1-Dichloropropene	<11 µg/kg	TM116		<220 M	<11 M				
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<14 M				
1,2-Dichloroethane	<5 µg/kg	TM116		<100 M	<5 M				
Benzene	<9 µg/kg	TM116		<180 M	13.4 M				
Trichloroethene	<9 µg/kg	TM116		<180 M	<9 M				
1,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<12 M				
Dibromomethane	<9 µg/kg	TM116		<180 M	<9 M				
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<7 M				
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 M	<14 M				
Toluene	<5 µg/kg	TM116		<100 M	20.3 M				
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<100				
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 M	<10 M				

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP46	P1TP46				
			Depth (m)	3.00	3.20				
			Sample Type	Soil/Solid	Soil/Solid				
			Date Sampled	15/01/2014	15/01/2014				
			Sample Time	.	.				
			Date Received	16/01/2014	16/01/2014				
			SDG Ref	140116-33	140116-33				
			Lab Sample No.(s)	8692385	8692386				
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<7 #				
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<5 M				
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<13 M				
1,2-Dibromoethane	<12 µg/kg	TM116		<240 M	<12 M				
Chlorobenzene	<5 µg/kg	TM116		<100 M	<5 M				
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<10 M				
Ethylbenzene	<4 µg/kg	TM116		<80 M	<4 M				
p/m-Xylene	<14 µg/kg	TM116		<280 #	<14 #				
o-Xylene	<10 µg/kg	TM116		<200 M	<10 M				
Styrene	<10 µg/kg	TM116		<200 M	<10 M				
Bromoform	<10 µg/kg	TM116		<200 M	<10 M				
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<5 M				
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<10 #				
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 M	<17 M				
Bromobenzene	<10 µg/kg	TM116		<200 M	<10 M				
Propylbenzene	<11 µg/kg	TM116		<220 M	<11 M				
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<9 M				
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<8 #				
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<12 M				
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<12 #				
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<9 #				
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<10 M				
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<11 M				
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<6 M				
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<5 M				
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<10 M				
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<12 M				
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<14 M				
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<15				
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<6 #				
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<12				
Naphthalene	<13 µg/kg	TM116		<260 M	<13 M				

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

VOC MS (S)

Results Legend		Customer Sample Ref.	P1TP46	P1TP46				
#	ISO17025 accredited.							
M	*m*CERTS accredited.							
aq	Aqueous / settled sample.	Depth (m)	3.00	3.20				
diss.filt	Dissolved / filtered sample.	Sample Type	Soil/Solid	Soil/Solid				
tot.unfilt	Total / unfiltered sample.	Date Sampled	15/01/2014	15/01/2014				
*	Subcontracted test.	Sample Time	.	.				
**	% 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	Date Received	16/01/2014	16/01/2014				
		SDG Ref	140116-33	140116-33				
(F)	Trigger breach confirmed	Lab Sample No.(s)	8692385	8692386				
1-5&♦§@	Sample deviation (see appendix)	AGS Reference						

Component	LOD/Units	Method						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	<120 M	<6 M				

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

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 Receieved SDG Original Sample Method Number	P1TP33 0.20 SOLID 15/01/2014 00:00:00 140116-33 8692356 TM048	23/01/14	Kevin Bowron	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 Receieved SDG Original Sample Method Number	P1TP33 1.00 SOLID 15/01/2014 00:00:00 140116-33 8692358 TM048	23/01/14	Kevin Bowron	Loose fibres in soil	Not Detected (#)	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP33 1.90 SOLID 15/01/2014 00:00:00 140116-33 8692360 TM048	23/01/14	Chris Swindells	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 Receieved SDG Original Sample Method Number	P1TP33 2.10 SOLID 15/01/2014 00:00:00 140116-33 8692363 TM048	23/01/14	Chris Swindells	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 Receieved SDG Original Sample Method Number	P1TP34 0.30 SOLID 15/01/2014 00:00:00 140116-33 8692347 TM048	22/01/14	Martin Cotterell	Loose fibres in soil	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG: 140116-33 **Location:** Coed Darcy **Order Number:** CD0596
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294751
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 260613

		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 Receieved SDG Original Sample Method Number	P1TP34 1.00 SOLID 15/01/2014 00:00:00 140116-33 8692349 TM048	23/01/14	Kevin Bowron	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 Receieved SDG Original Sample Method Number	P1TP34 2.00 SOLID 15/01/2014 00:00:00 140116-33 8692351 TM048	22/01/14	Martin Cotterell	Loose fibres in soil	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP34 2.30 SOLID 15/01/2014 00:00:00 140116-33 8692353 TM048	22/01/14	Martin Cotterell	Loose fibres in soil & ACM deb	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP35 0.20 SOLID 15/01/2014 00:00:00 140116-33 8692339 TM048	22/01/14	Martin Cotterell	Loose fibres in soil	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP35 1.10 SOLID 15/01/2014 00:00:00 140116-33 8692341 TM048	22/01/14	Martin Cotterell	Loose fibres in soil	Detected (#)	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP35 1.90 SOLID 15/01/2014 00:00:00 140116-33 8692344 TM048	22/01/14	Martin Cotterell	Loose fibres &bitumen debris	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG: 140116-33 **Location:** Coed Darcy **Order Number:** CD0596
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294751
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 260613

		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 Receieved SDG Original Sample Method Number	P1TP36 0.20 SOLID 15/01/2014 00:00:00 140116-33 8692333 TM048	23/01/14	Kevin Bowron	Loose fibres in soil & ACM deb	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP36 1.00 SOLID 15/01/2014 00:00:00 140116-33 8692335 TM048	23/01/14	Kevin Bowron	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 Receieved SDG Original Sample Method Number	P1TP36 1.90 SOLID 15/01/2014 00:00:00 140116-33 8692337 TM048	23/01/14	Kevin Bowron	Loose fibres in soil & ACM deb	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP37 0.30 SOLID 15/01/2014 00:00:00 140116-33 8692324 TM048	22/01/14	Martin Cotterell	Loose fibres in soil	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP37 0.90 SOLID 15/01/2014 00:00:00 140116-33 8692326 TM048	23/01/14	Chris Swindells	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 Receieved SDG Original Sample Method Number	P1TP37 2.00 SOLID 15/01/2014 00:00:00 140116-33 8692328 TM048	22/01/14	Martin Cotterell	Loose fibres in soil	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG: 140116-33 **Location:** Coed Darcy **Order Number:** CD0596
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294751
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 260613

		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 Receieved SDG Original Sample Method Number	P1TP37 2.10 SOLID 15/01/2014 00:00:00 140116-33 8692331 TM048	23/01/14	Kevin Bowron	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 Receieved SDG Original Sample Method Number	P1TP38 0.20 SOLID 15/01/2014 00:00:00 140116-33 8692318 TM048	23/01/14	Kevin Bowron	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 Receieved SDG Original Sample Method Number	P1TP38 1.00 SOLID 15/01/2014 00:00:00 140116-33 8692320 TM048	23/01/14	Kevin Bowron	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 Receieved SDG Original Sample Method Number	P1TP38 2.00 SOLID 15/01/2014 00:00:00 140116-33 8692322 TM048	23/01/14	Chris Swindells	Loose fibres in soil	Not Detected (#)	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP43 0.20 SOLID 15/01/2014 00:00:00 140116-33 8692365 TM048	22/01/14	Martin Cotterell	Loose fibres in soil	Not Detected (#)	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP43 1.00 SOLID 15/01/2014 00:00:00 140116-33 8692366 TM048	23/01/14	Chris Swindells	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG: 140116-33 **Location:** Coed Darcy **Order Number:** CD0596
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294751
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 260613

		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 Receieved SDG Original Sample Method Number	P1TP43 2.10 SOLID 15/01/2014 00:00:00 140116-33 8692367 TM048	23/01/14	Kevin Bowron	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 Receieved SDG Original Sample Method Number	P1TP43 3.00 SOLID 15/01/2014 00:00:00 140116-33 8692368 TM048	23/01/14	Kevin Bowron	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 Receieved SDG Original Sample Method Number	P1TP44 0.40 SOLID 15/01/2014 00:00:00 140116-33 8692370 TM048	22/01/14	Martin Cotterell	Loose fibres in soil	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP44 1.20 SOLID 15/01/2014 00:00:00 140116-33 8692371 TM048	22/01/14	Martin Cotterell	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 Receieved SDG Original Sample Method Number	P1TP44 2.00 SOLID 15/01/2014 00:00:00 140116-33 8692374 TM048	23/01/14	Kevin Bowron	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 Receieved SDG Original Sample Method Number	P1TP44 2.70 SOLID 15/01/2014 00:00:00 140116-33 8692375 TM048	22/01/14	Martin Cotterell	Loose fibres in soil	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG: 140116-33 **Location:** Coed Darcy **Order Number:** CD0596
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294751
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 260613

		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 Receieved SDG Original Sample Method Number	P1TP45 0.20 SOLID 15/01/2014 00:00:00 140116-33 8692376 TM048	23/01/14	Chris Swindells	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 Receieved SDG Original Sample Method Number	P1TP45 1.10 SOLID 15/01/2014 00:00:00 140116-33 8692378 TM048	23/01/14	Kevin Bowron	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 Receieved SDG Original Sample Method Number	P1TP45 2.00 SOLID 15/01/2014 00:00:00 140116-33 8692379 TM048	23/01/14	Chris Swindells	Loose fibres in soil	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP45 2.80 SOLID 15/01/2014 00:00:00 140116-33 8692380 TM048	23/01/14	Kevin Bowron	Loose fibres in soil	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP46 0.30 SOLID 15/01/2014 00:00:00 140116-33 8692381 TM048	23/01/14	Chris Swindells	Loose fibres in soil	Not Detected (#)	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP46 1.00 SOLID 15/01/2014 00:00:00 140116-33 8692382 TM048	23/01/14	Chris Swindells	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG: 140116-33 **Location:** Coed Darcy **Order Number:** CD0596
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294751
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 260613

		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 Receieved SDG Original Sample Method Number	P1TP46 2.10 SOLID 15/01/2014 00:00:00 140116-33 8692384 TM048	22/01/14	Martin Cotterell	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 Receieved SDG Original Sample Method Number	P1TP46 3.00 SOLID 15/01/2014 00:00:00 140116-33 8692385 TM048	22/01/14	Martin Cotterell	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 Receieved SDG Original Sample Method Number	P1TP46 3.20 SOLID 15/01/2014 00:00:00 140116-33 8692386 TM048	22/01/14	Martin Cotterell	Loose fibres in soil & ACM deb	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

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 Receieved SDG Original Sample Method Number	P1TP33 0.20 SOLID 15/01/2014 00:00:00 140116-33 8692356 TM 304	None (#)	Amphibole fibres found during PCM analysis.	<0.001 (#)	<0.001 (#)	0.0014 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP34 0.30 SOLID 15/01/2014 00:00:00 140116-33 8692347 TM 304	None (#)	N/C	<0.001 (#)	0.0011 (#)	0.0015 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP34 1.00 SOLID 15/01/2014 00:00:00 140116-33 8692349 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	0.0014 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP35 0.20 SOLID 15/01/2014 00:00:00 140116-33 8692339 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP36 0.20 SOLID 15/01/2014 00:00:00 140116-33 8692333 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)

CERTIFICATE OF ANALYSIS

SDG: 140116-33 **Location:** Coed Darcy **Order Number:** CD0596
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294751
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 260613

		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 Receieved SDG Original Sample Method Number	P1TP36 1.00 SOLID 15/01/2014 00:00:00 140116-33 8692335 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP37 0.30 SOLID 15/01/2014 00:00:00 140116-33 8692324 TM 304	None (#)	N/C	0.0190 (#)	0.0024 (#)	0.0214 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP37 0.90 SOLID 15/01/2014 00:00:00 140116-33 8692326 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP38 0.20 SOLID 15/01/2014 00:00:00 140116-33 8692318 TM 304	None (#)	Amphibole fibres found during PCM analysis.	0.0030 (#)	<0.001 (#)	0.0037 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP38 1.00 SOLID 15/01/2014 00:00:00 140116-33 8692320 TM 304	None (#)	Amphibole fibres found during PCM analysis.	0.0015 (#)	<0.001 (#)	0.002 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP43 0.20 SOLID 15/01/2014 00:00:00 140116-33 8692365 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)

CERTIFICATE OF ANALYSIS

SDG: 140116-33 **Location:** Coed Darcy **Order Number:** CD0596
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294751
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 260613

		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 Receieved SDG Original Sample Method Number	P1TP43 1.00 SOLID 15/01/2014 00:00:00 140116-33 8692366 TM 304	Amosite (Loose fibres in soil.) (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP44 0.40 SOLID 15/01/2014 00:00:00 140116-33 8692370 TM 304	None (#)	N/C	0.0143 (#)	0.0145 (#)	0.0288 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP45 0.20 SOLID 15/01/2014 00:00:00 140116-33 8692376 TM 304	Crocidolite (Loose fibres in soil.) (#)	N/C	<0.001 (#)	<0.001 (#)	0.0013 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP46 0.30 SOLID 15/01/2014 00:00:00 140116-33 8692381 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP46 1.00 SOLID 15/01/2014 00:00:00 140116-33 8692382 TM 304	Amosite (Loose fibres in soil.) (#)	N/C	0.0036 (#)	<0.001 (#)	0.0045 (#)

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

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)		
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS		
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		
TM157	HP 6890 Gas Chromatograph (GC) system and HP 5973 Mass Selective Detector (MSD).	Determination of SVOC in Soils by GC-MS extracted by sonication in DCM/Acetone		
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		

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

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

Test Completion Dates

Lab Sample No(s)	8692356	8692358	8692360	8692363	8692347	8692349	8692351	8692353	8692339	8692341
Customer Sample Ref.	P1TP33	P1TP33	P1TP33	P1TP33	P1TP34	P1TP34	P1TP34	P1TP34	P1TP35	P1TP35
AGS Ref.										
Depth	0.20	1.00	1.90	2.10	0.30	1.00	2.00	2.30	0.20	1.10
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014
Asbestos Quantification - Full	19-Feb-2014				19-Feb-2014	19-Feb-2014			18-Feb-2014	
EPH CWG (Aliphatic) GC (S)	22-Jan-2014	22-Jan-2014	22-Jan-2014	23-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014
EPH CWG (Aromatic) GC (S)	22-Jan-2014	22-Jan-2014	22-Jan-2014	23-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014
GRO by GC-FID (S)	20-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014	21-Jan-2014	20-Jan-2014	21-Jan-2014	20-Jan-2014	20-Jan-2014
Metals in solid samples by OES	23-Jan-2014	24-Jan-2014	23-Jan-2014	23-Jan-2014	24-Jan-2014	23-Jan-2014	24-Jan-2014	23-Jan-2014	24-Jan-2014	24-Jan-2014
pH	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014
Sample description	18-Jan-2014	18-Jan-2014	18-Jan-2014	17-Jan-2014	18-Jan-2014	18-Jan-2014	18-Jan-2014	18-Jan-2014	18-Jan-2014	18-Jan-2014
Semi Volatile Organic Compounds	22-Jan-2014	21-Jan-2014	23-Jan-2014	21-Jan-2014	23-Jan-2014	22-Jan-2014	23-Jan-2014	22-Jan-2014	23-Jan-2014	23-Jan-2014
Total Organic Carbon	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014
TPH CWG GC (S)	22-Jan-2014	22-Jan-2014	22-Jan-2014	23-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014
VOC MS (S)	20-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014

Lab Sample No(s)	8692344	8692333	8692335	8692337	8692324	8692326	8692328	8692331	8692318	8692320
Customer Sample Ref.	P1TP35	P1TP36	P1TP36	P1TP36	P1TP37	P1TP37	P1TP37	P1TP37	P1TP38	P1TP38
AGS Ref.										
Depth	1.90	0.20	1.00	1.90	0.30	0.90	2.00	2.10	0.20	1.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014
Asbestos Quantification - Full		18-Feb-2014	20-Feb-2014		20-Feb-2014	18-Feb-2014			20-Feb-2014	19-Feb-2014
EPH CWG (Aliphatic) GC (S)	22-Jan-2014	22-Jan-2014	23-Jan-2014	22-Jan-2014	23-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014
EPH CWG (Aromatic) GC (S)	22-Jan-2014	22-Jan-2014	23-Jan-2014	22-Jan-2014	23-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014
GRO by GC-FID (S)	20-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014	19-Jan-2014	21-Jan-2014	21-Jan-2014	19-Jan-2014	20-Jan-2014	20-Jan-2014
Metals in solid samples by OES	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	24-Jan-2014	23-Jan-2014	23-Jan-2014
pH	22-Jan-2014	24-Jan-2014	23-Jan-2014	23-Jan-2014	22-Jan-2014	23-Jan-2014	22-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014
Sample description	18-Jan-2014	18-Jan-2014	17-Jan-2014	18-Jan-2014	18-Jan-2014	18-Jan-2014	18-Jan-2014	18-Jan-2014	18-Jan-2014	18-Jan-2014
Semi Volatile Organic Compounds	23-Jan-2014	23-Jan-2014	21-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	22-Jan-2014	22-Jan-2014
Total Organic Carbon	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	24-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014
TPH CWG GC (S)	22-Jan-2014	22-Jan-2014	23-Jan-2014	22-Jan-2014	23-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014
VOC MS (S)	20-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014	22-Jan-2014	20-Jan-2014	22-Jan-2014	20-Jan-2014	20-Jan-2014

Lab Sample No(s)	8692322	8692365	8692366	8692367	8692368	8692370	8692371	8692374	8692375	8692376
Customer Sample Ref.	P1TP38	P1TP43	P1TP43	P1TP43	P1TP43	P1TP44	P1TP44	P1TP44	P1TP44	P1TP45
AGS Ref.										
Depth	2.00	0.20	1.00	2.10	3.00	0.40	1.20	2.00	2.70	0.20
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014
Asbestos Quantification - Full		18-Feb-2014	18-Feb-2014			18-Feb-2014				19-Feb-2014
EPH CWG (Aliphatic) GC (S)	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014
EPH CWG (Aromatic) GC (S)	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014
GRO by GC-FID (S)	20-Jan-2014	18-Jan-2014	20-Jan-2014	20-Jan-2014	21-Jan-2014	20-Jan-2014	20-Jan-2014	18-Jan-2014	20-Jan-2014	18-Jan-2014
Metals in solid samples by OES	24-Jan-2014	23-Jan-2014	24-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014
pH	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	23-Jan-2014	22-Jan-2014	24-Jan-2014
Sample description	18-Jan-2014	17-Jan-2014	18-Jan-2014	18-Jan-2014	18-Jan-2014	17-Jan-2014	17-Jan-2014	17-Jan-2014	18-Jan-2014	17-Jan-2014
Semi Volatile Organic Compounds	21-Jan-2014	21-Jan-2014	22-Jan-2014	23-Jan-2014	23-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	23-Jan-2014	21-Jan-2014
Total Organic Carbon	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014
TPH CWG GC (S)	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014
VOC MS (S)	20-Jan-2014	20-Jan-2014	22-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014

CERTIFICATE OF ANALYSIS

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

Lab Sample No(s)	8692378	8692379	8692380	8692381	8692382	8692384	8692385	8692386
Customer Sample Ref.	P1TP45	P1TP45	P1TP45	P1TP46	P1TP46	P1TP46	P1TP46	P1TP46
AGS Ref.								
Depth	1.10	2.00	2.80	0.30	1.00	2.10	3.00	3.20
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014
Asbestos Quantification - Full				18-Feb-2014	20-Feb-2014			
EPH CWG (Aliphatic) GC (S)	23-Jan-2014	22-Jan-2014	23-Jan-2014	23-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014
EPH CWG (Aromatic) GC (S)	23-Jan-2014	22-Jan-2014	23-Jan-2014	23-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014
GRO by GC-FID (S)	18-Jan-2014	18-Jan-2014	18-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014	21-Jan-2014	20-Jan-2014
Metals in solid samples by OES	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014
pH	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014
Sample description	17-Jan-2014	17-Jan-2014	17-Jan-2014	17-Jan-2014	17-Jan-2014	18-Jan-2014	18-Jan-2014	18-Jan-2014
Semi Volatile Organic Compounds	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	22-Jan-2014	22-Jan-2014	21-Jan-2014
Total Organic Carbon	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014
TPH CWG GC (S)	23-Jan-2014	22-Jan-2014	23-Jan-2014	23-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014
VOC MS (S)	22-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014	22-Jan-2014	20-Jan-2014	20-Jan-2014	20-Jan-2014

SDG:	140116-33	**Location:**	Coed Darcy	**Order Number:**	CD0596
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294751
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260613

Appendix

General

1. Results are expressed on a dry weight basis (dried at 35ºC) 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 Dimethyphenol, 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 presevation 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.

ALcontrol Laboratories

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Coed Darcy
Llandarcy
SA10 6HJ

Attention: Jack Lowrie

CERTIFICATE OF ANALYSIS

Date:	08 December 2014
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	140118-71
Your Reference:	Phase 2
Location:	Coed Darcy
Report No:	294758

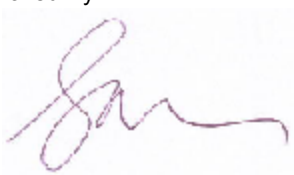
This report has been revised and directly supersedes 260597 in its entirety.

We received 55 samples on Saturday January 18, 2014 and 55 of these samples were scheduled for analysis which was completed on Thursday February 20, 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

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CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
8710162	P1TP47		0.20	16/01/2014
8710164	P1TP47		1.10	16/01/2014
8710165	P1TP47		2.40	16/01/2014
8710166	P1TP47		3.00	16/01/2014
8710167	P1TP47		3.50	16/01/2014
8710168	P1TP48		0.40	16/01/2014
8710169	P1TP48		1.20	16/01/2014
8710170	P1TP48		2.00	16/01/2014
8710171	P1TP48		3.10	16/01/2014
8710172	P1TP48		3.80	16/01/2014
8710173	P1TP49		0.20	16/01/2014
8710174	P1TP49		1.00	16/01/2014
8710176	P1TP49		2.20	16/01/2014
8710177	P1TP49		3.00	16/01/2014
8710178	P1TP49		3.20	16/01/2014
8710179	P1TP50		0.20	16/01/2014
8710180	P1TP50		1.00	16/01/2014
8710183	P1TP50		2.80	16/01/2014
8710186	P1TP51		0.30	16/01/2014
8710190	P1TP51		1.30	16/01/2014
8710192	P1TP51		2.10	16/01/2014
8710193	P1TP51		2.80	16/01/2014
8710195	P1TP52		0.30	16/01/2014
8710196	P1TP52		1.00	16/01/2014
8710197	P1TP52		2.00	16/01/2014
8710198	P1TP52		2.90	16/01/2014
8710199	P1TP53		0.20	16/01/2014
8710200	P1TP53		0.90	16/01/2014
8710201	P1TP53		2.20	16/01/2014
8710202	P1TP53		3.00	16/01/2014
8710203	P1TP53		3.90	16/01/2014
8710204	P1TP54		0.40	16/01/2014
8710205	P1TP54		1.00	16/01/2014
8710206	P1TP54		1.90	16/01/2014
8710207	P1TP54		3.10	16/01/2014
8710208	P1TP54		4.00	16/01/2014
8710209	P1TP54		5.00	16/01/2014
8710210	P1TP54		5.30	16/01/2014
8710211	P1TP55		0.20	16/01/2014
8710212	P1TP55		1.00	16/01/2014
8710213	P1TP55		2.20	16/01/2014
8710214	P1TP55		3.00	16/01/2014
8710215	P1TP55		3.90	16/01/2014
8710216	P1TP55		5.00	16/01/2014
8710218	P1TP56		0.30	16/01/2014
8710219	P1TP56		1.30	16/01/2014
8710221	P1TP56		2.10	16/01/2014
8710222	P1TP56		3.00	16/01/2014
8710224	P1TP56		3.60	16/01/2014
8710226	P1TP57		0.20	16/01/2014
8710227	P1TP57		1.00	16/01/2014
8710230	P1TP57		2.40	16/01/2014
8710231	P1TP57		3.00	16/01/2014
8710232	P1TP57		3.30	16/01/2014
8710181	SMS 50		1.90	16/01/2014

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

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

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

SOLID

Results Legend

- **X** Test
- **N** No Determination Possible

Lab Sample No(s)			8710162			8710164			8710165			8710166			8710167			8710168			8710169		
Customer Sample Reference			P1TP47			P1TP47			P1TP47			P1TP47			P1TP47			P1TP48			P1TP48		
AGS Reference																							
Depth (m)			0.20			1.10			2.40			3.00			3.50			0.40			1.20		
Container			250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 55		X			X			X			X			X			X			X	
Asbestos Quantification - Full	All	NDPs: 0 Tests: 18		X															X				
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 55	X			X			X			X			X			X			X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 55	X			X			X			X			X			X			X		
GRO by GC-FID (S)	All	NDPs: 0 Tests: 55			X			X			X			X			X			X			X
Metals in solid samples by OES	All	NDPs: 0 Tests: 55	X			X			X			X			X			X			X		
pH	All	NDPs: 0 Tests: 55		X			X			X			X			X			X			X	
Sample description	All	NDPs: 0 Tests: 55	X			X			X			X			X			X			X		
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 55	X			X			X			X			X			X			X		
Total Organic Carbon	All	NDPs: 0 Tests: 55	X			X			X			X			X			X			X		
TPH CWG GC (S)	All	NDPs: 0 Tests: 55	X			X			X			X			X			X			X		
VOC MS (S)	All	NDPs: 0 Tests: 55			X			X			X			X			X			X			X

Lab Sample No(s)			8710170			8710171			8710172			8710173			8710174			8710176			8710177
Customer Sample Reference			P1TP48			P1TP48			P1TP48			P1TP49			P1TP49			P1TP49			P1TP49
AGS Reference																					
Depth (m)			2.00			3.10			3.80			0.20			1.00			2.20			3.00
Container			250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 55		X			X			X			X			X			X		
Asbestos Quantification - Full	All	NDPs: 0 Tests: 18											X			X					
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 55	X			X			X			X			X			X			X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 55	X			X			X			X			X			X			X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 55			X			X			X			X			X			X	
Metals in solid samples by OES	All	NDPs: 0 Tests: 55	X			X			X			X			X			X			X
pH	All	NDPs: 0 Tests: 55		X			X			X			X			X			X		
Sample description	All	NDPs: 0 Tests: 55	X			X			X			X			X			X			X
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 55	X			X			X			X			X			X			X
Total Organic Carbon	All	NDPs: 0 Tests: 55	X			X			X			X			X			X			X
TPH CWG GC (S)	All	NDPs: 0 Tests: 55	X			X			X			X			X			X			X
VOC MS (S)	All	NDPs: 0 Tests: 55			X			X			X			X			X			X	

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

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Results Legend

X Test

N No Determination Possible

Lab Sample No(s)	8710177	8710178	8710179	8710180	8710183	8710186	8710190	8710192	8710193	8710195	8710196	8710197	8710198	8710199
Customer Sample Reference	P1TP49	P1TP49	P1TP50	P1TP50	P1TP50	P1TP51	P1TP51	P1TP51	P1TP51	P1TP52	P1TP52	P1TP52	P1TP52	P1TP53
AGS Reference														
Depth (m)	3.00	3.20	0.20	1.00	2.80	0.30	1.30	2.10	2.80	0.30	1.00	2.00	2.90	0.20
Container	400g Tub (ALE214) 60g VOC (ALE215) 250g Amber Jar	400g Tub (ALE214) 60g VOC (ALE215) 250g Amber Jar	400g Tub (ALE214) 60g VOC (ALE215) 250g Amber Jar	400g Tub (ALE214) 60g VOC (ALE215) 250g Amber Jar	400g Tub (ALE214) 60g VOC (ALE215) 250g Amber Jar	400g Tub (ALE214) 60g VOC (ALE215) 250g Amber Jar	400g Tub (ALE214) 60g VOC (ALE215) 250g Amber Jar	400g Tub (ALE214) 60g VOC (ALE215) 250g Amber Jar	400g Tub (ALE214) 60g VOC (ALE215) 250g Amber Jar	400g Tub (ALE214) 60g VOC (ALE215) 250g Amber Jar	400g Tub (ALE214) 60g VOC (ALE215) 250g Amber Jar	400g Tub (ALE214) 60g VOC (ALE215) 250g Amber Jar	400g Tub (ALE214) 60g VOC (ALE215) 250g Amber Jar	400g Tub (ALE214)

Test			8710177 400g Tub (ALE214)	8710177 60g VOC (ALE215)	8710177 250g Amber Jar	8710178 400g Tub (ALE214)	8710178 60g VOC (ALE215)	8710178 250g Amber Jar	8710179 400g Tub (ALE214)	8710179 60g VOC (ALE215)	8710179 250g Amber Jar	8710180 400g Tub (ALE214)	8710180 60g VOC (ALE215)	8710180 250g Amber Jar	8710183 400g Tub (ALE214)	8710183 60g VOC (ALE215)	8710183 250g Amber Jar	8710186 400g Tub (ALE214)	8710186 60g VOC (ALE215)	8710186 250g Amber Jar	8710190 400g Tub (ALE214)	8710190 60g VOC (ALE215)	8710190 250g Amber Jar	8710192 400g Tub (ALE214)	8710192 60g VOC (ALE215)	8710192 250g Amber Jar	8710193 400g Tub (ALE214)	8710193 60g VOC (ALE215)	8710193 250g Amber Jar	8710195 400g Tub (ALE214)	8710195 60g VOC (ALE215)	8710195 250g Amber Jar	8710196 400g Tub (ALE214)	8710196 60g VOC (ALE215)	8710196 250g Amber Jar	8710197 400g Tub (ALE214)	8710197 60g VOC (ALE215)	8710197 250g Amber Jar	8710198 400g Tub (ALE214)	8710198 60g VOC (ALE215)	8710198 250g Amber Jar	8710199 400g Tub (ALE214)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 55	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Asbestos Quantification - Full	All	NDPs: 0 Tests: 18							X			X						X												X			X									X
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 55			X			X			X			X			X			X			X			X			X			X			X			X			X	
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 55			X			X			X			X			X			X			X			X			X			X			X			X			X	
GRO by GC-FID (S)	All	NDPs: 0 Tests: 55		X			X			X			X			X			X			X			X			X			X			X			X			X		
Metals in solid samples by OES	All	NDPs: 0 Tests: 55			X			X			X			X			X			X			X			X			X			X			X			X			X	
pH	All	NDPs: 0 Tests: 55	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Sample description	All	NDPs: 0 Tests: 55			X			X			X			X			X			X			X			X			X			X			X			X			X	
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 55			X			X			X			X			X			X			X			X			X			X			X			X			X	
Total Organic Carbon	All	NDPs: 0 Tests: 55			X			X			X			X			X			X			X			X			X			X			X			X			X	
TPH CWG GC (S)	All	NDPs: 0 Tests: 55			X			X			X			X			X			X			X			X			X			X			X			X			X	
VOC MS (S)	All	NDPs: 0 Tests: 55		X			X			X			X			X			X			X			X			X			X			X			X			X		

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

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Results Legend

X Test

N No Determination Possible

Lab Sample No(s)	8710199	8710200	8710201	8710202	8710203	8710204	8710205	8710206	8710207	8710208	8710209	8710210	8710211	8710212
Customer Sample Reference	P1TP53	P1TP53	P1TP53	P1TP53	P1TP53	P1TP54	P1TP54	P1TP54	P1TP54	P1TP54	P1TP54	P1TP54	P1TP55	P1TP55
AGS Reference														
Depth (m)	0.20	0.90	2.20	3.00	3.90	0.40	1.00	1.90	3.10	4.00	5.00	5.30	0.20	1.00
Container	60g VOC (ALE215)	250g Amber Jar 400g Tub (ALE214) 60g VOC (ALE215)	250g Amber Jar 400g Tub (ALE214) 60g VOC (ALE215)	250g Amber Jar 400g Tub (ALE214) 60g VOC (ALE215)	250g Amber Jar 400g Tub (ALE214) 60g VOC (ALE215)	250g Amber Jar 400g Tub (ALE214) 60g VOC (ALE215)	250g Amber Jar 400g Tub (ALE214) 60g VOC (ALE215)	250g Amber Jar 400g Tub (ALE214) 60g VOC (ALE215)	250g Amber Jar 400g Tub (ALE214) 60g VOC (ALE215)	250g Amber Jar 400g Tub (ALE214) 60g VOC (ALE215)	250g Amber Jar 400g Tub (ALE214) 60g VOC (ALE215)	250g Amber Jar 400g Tub (ALE214) 60g VOC (ALE215)	250g Amber Jar 400g Tub (ALE214) 60g VOC (ALE215)	250g Amber Jar 400g Tub (ALE214) 60g VOC (ALE215)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 55		X		X		X		X		X		X		X		X		X		X		X		X
Asbestos Quantification - Full	All	NDPs: 0 Tests: 18		X					X		X										X				X	
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 55	X		X		X		X		X		X		X		X		X		X		X		X	
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 55	X		X		X		X		X		X		X		X		X		X		X		X	
GRO by GC-FID (S)	All	NDPs: 0 Tests: 55	X		X		X		X		X		X		X		X		X		X		X		X	
Metals in solid samples by OES	All	NDPs: 0 Tests: 55	X		X		X		X		X		X		X		X		X		X		X		X	
pH	All	NDPs: 0 Tests: 55		X		X		X		X		X		X		X		X		X		X		X		X
Sample description	All	NDPs: 0 Tests: 55	X		X		X		X		X		X		X		X		X		X		X		X	
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 55	X		X		X		X		X		X		X		X		X		X		X		X	
Total Organic Carbon	All	NDPs: 0 Tests: 55	X		X		X		X		X		X		X		X		X		X		X		X	
TPH CWG GC (S)	All	NDPs: 0 Tests: 55	X		X		X		X		X		X		X		X		X		X		X		X	
VOC MS (S)	All	NDPs: 0 Tests: 55	X		X		X		X		X		X		X		X		X		X		X		X	

SDG: 140118-71	**Location:** Coed Darcy	**Order Number:** CD0597		
Job: H_ATKINS_LDC-173	**Customer:** Atkins Global Ltd	**Report Number:** 294758		
Client Reference: Phase 2	**Attention:** Jack Lowrie	**Superseded Report:** 260597		

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Results Legend

- X Test
- N No Determination Possible

Lab Sample No(s)			8710213			8710214			8710215			8710216			8710218			8710219			8710221			8710222			8710224			8710226			8710227			8710230			8710231			8710232
Customer Sample Reference			P1TP55			P1TP55			P1TP55			P1TP55			P1TP56			P1TP56			P1TP56			P1TP56			P1TP56			P1TP57			P1TP57			P1TP57			P1TP57			P1TP57
AGS Reference																																										
Depth (m)			2.20			3.00			3.90			5.00			0.30			1.30			2.10			3.00			3.60			0.20			1.00			2.40			3.00			3.30
Container			250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 55		X			X			X			X			X			X			X			X			X			X			X			X			X		
Asbestos Quantification - Full	All	NDPs: 0 Tests: 18														X																X			X							
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 55	X			X			X			X			X			X			X			X			X			X			X			X			X			X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 55	X			X			X			X			X			X			X			X			X			X			X			X			X			X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 55			X			X			X			X			X			X			X			X			X			X			X			X			X	
Metals in solid samples by OES	All	NDPs: 0 Tests: 55	X			X			X			X			X			X			X			X			X			X			X			X			X			X
pH	All	NDPs: 0 Tests: 55		X			X			X			X			X			X			X			X			X			X			X			X			X		
Sample description	All	NDPs: 0 Tests: 55	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 55	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Total Organic Carbon	All	NDPs: 0 Tests: 55	X			X			X			X			X			X			X			X			X			X			X			X			X			X
TPH CWG GC (S)	All	NDPs: 0 Tests: 55	X			X			X			X			X			X			X			X			X			X			X			X			X			X
VOC MS (S)	All	NDPs: 0 Tests: 55			X			X			X			X			X			X			X			X			X			X			X			X			X	

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

SOLID

Results Legend

X **Test**

N **No Determination Possible**

			Lab Sample No(s)	8710232	8710181
			Customer Sample Reference	P1TP57	SMS 50
			AGS Reference		
			Depth (m)	3.30	1.90
			Container	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 55		X			X	
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 55				X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 55				X		
GRO by GC-FID (S)	All	NDPs: 0 Tests: 55			X			X
Metals in solid samples by OES	All	NDPs: 0 Tests: 55				X		
pH	All	NDPs: 0 Tests: 55		X			X	
Sample description	All	NDPs: 0 Tests: 55				X		
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 55				X		
Total Organic Carbon	All	NDPs: 0 Tests: 55				X		
TPH CWG GC (S)	All	NDPs: 0 Tests: 55				X		
VOC MS (S)	All	NDPs: 0 Tests: 55			X			X

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

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
8710162	P1TP47	0.20	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
8710164	P1TP47	1.10	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Crushed Brick	Stones
8710165	P1TP47	2.40	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8710166	P1TP47	3.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
8710167	P1TP47	3.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8710168	P1TP48	0.40	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8710169	P1TP48	1.20	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Crushed Brick	Concrete/Aggregate
8710170	P1TP48	2.00	Dark Brown	Silty Clay Loam	0.1 - 2 mm	Brick	Stones
8710171	P1TP48	3.10	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
8710172	P1TP48	3.80	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Vegetation	Stones
8710173	P1TP49	0.20	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8710174	P1TP49	1.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Crushed Brick	Stones
8710176	P1TP49	2.20	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Crushed Brick	Stones
8710177	P1TP49	3.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Concrete/Aggregate	Stones
8710178	P1TP49	3.20	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Concrete/Aggregate	Stones
8710179	P1TP50	0.20	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Vegetation	Stones
8710180	P1TP50	1.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
8710183	P1TP50	2.80	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
8710186	P1TP51	0.30	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8710190	P1TP51	1.30	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Concrete/Aggregate
8710192	P1TP51	2.10	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
8710193	P1TP51	2.80	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	None
8710195	P1TP52	0.30	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
8710196	P1TP52	1.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8710197	P1TP52	2.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Vegetation	Stones
8710198	P1TP52	2.90	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Vegetation	Stones
8710199	P1TP53	0.20	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Vegetation	Stones
8710200	P1TP53	0.90	Dark Brown	Clay Loam	<0.063 mm	Brick	Stones
8710201	P1TP53	2.20	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Vegetation	Stones
8710202	P1TP53	3.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
8710203	P1TP53	3.90	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	N/A
8710204	P1TP54	0.40	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
8710205	P1TP54	1.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8710206	P1TP54	1.90	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
8710207	P1TP54	3.10	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8710208	P1TP54	4.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
8710209	P1TP54	5.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8710210	P1TP54	5.30	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Concrete/Aggregate	Stones

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

			Colour	Description	Grain size	Inclusions	Inclusions 2
8710211	P1TP55	0.20	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Vegetation	Stones
8710212	P1TP55	1.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Metal	Stones
8710213	P1TP55	2.20	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8710214	P1TP55	3.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
8710215	P1TP55	3.90	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Vegetation	Stones
8710216	P1TP55	5.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Tile	Stones
8710218	P1TP56	0.30	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
8710219	P1TP56	1.30	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
8710221	P1TP56	2.10	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8710222	P1TP56	3.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
8710224	P1TP56	3.60	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8710226	P1TP57	0.20	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
8710227	P1TP57	1.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Concrete/Aggregate	Stones
8710230	P1TP57	2.40	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8710231	P1TP57	3.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
8710232	P1TP57	3.30	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
8710181	SMS 50	1.90	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None

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 ocurring 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.

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP47	P1TP47	P1TP47	P1TP47	P1TP47	P1TP48
			Depth (m)	0.20	1.10	2.40	3.00	3.50	0.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710162	8710164	8710165	8710166	8710167	8710168
			AGS Reference						
Moisture Content Ratio	%	PM024		9.8	14	57	14	13	15
Soil Organic Matter (SOM)	<0.35 %	TM132		3.83 #	6.47 #	4.72 #	4.9 #	4.91 #	5.07 #
pH	1 pH Units	TM133		8.07 M	8 M	8.61 M	8.03 M	7.99 M	7.89 M
Arsenic	<0.6 mg/kg	TM181		26.6 M	25.8 M	22.6 M	26.9 M	41.2 M	33.2 M
Cadmium	<0.02 mg/kg	TM181		0.999 M	0.787 M	0.62 M	0.92 M	1.5 M	0.999 M
Chromium	<0.9 mg/kg	TM181		18.8 M	16.2 M	19.7 M	17.4 M	26.2 M	18.3 M
Copper	<1.4 mg/kg	TM181		69.9 M	76.7 M	123 M	88.8 M	106 M	75.1 M
Lead	<0.7 mg/kg	TM181		167 M	134 M	84.1 M	76 M	443 M	103 M
Mercury	<0.14 mg/kg	TM181		0.6 M	0.507 M	0.529 M	0.364 M	2.31 M	0.906 M
Nickel	<0.2 mg/kg	TM181		35.5 M	19.5 M	25.5 M	32.7 M	27.2 M	27.3 M
Selenium	<1 mg/kg	TM181		1.33 #	<1 #	<1 #	<1 #	1.05 #	1.04 #
Vanadium	<0.2 mg/kg	TM181		20.2 #	20.9 #	17 #	22.9 #	21.4 #	20.6 #
Zinc	<1.9 mg/kg	TM181		422 M	498 M	286 M	208 M	1190 M	243 M

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP48	P1TP48	P1TP48	P1TP48	P1TP49	P1TP49
			Depth (m)	1.20	2.00	3.10	3.80	0.20	1.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710169	8710170	8710171	8710172	8710173	8710174
			AGS Reference						
Moisture Content Ratio	%	PM024		13	12	13	10	10	11
Soil Organic Matter (SOM)	<0.35 %	TM132		3.02 #	3.21 #	4.55 #	2.76 #	2.57 #	1.79 #
pH	1 pH Units	TM133		7.9 M	8.08 M	8.03 M	7.93 M	8.25 M	8.26 M
Arsenic	<0.6 mg/kg	TM181		29.9 M	33 M	29.6 M	15.8 M	10.1 M	22.8 M
Cadmium	<0.02 mg/kg	TM181		1.15 M	0.853 M	0.821 M	0.547 M	0.993 M	0.663 M
Chromium	<0.9 mg/kg	TM181		16.5 M	17 M	14.3 M	14.2 M	13.5 M	15.2 M
Copper	<1.4 mg/kg	TM181		74.6 M	55.4 M	68.8 M	32.3 M	27.5 M	68.6 M
Lead	<0.7 mg/kg	TM181		361 M	78 M	59.7 M	41.2 M	30.5 M	64.9 M
Mercury	<0.14 mg/kg	TM181		0.687 M	0.818 M	0.36 M	0.249 M	0.572 M	0.466 M
Nickel	<0.2 mg/kg	TM181		28.5 M	29.7 M	25.3 M	22 M	25.3 M	23.9 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		19.6 #	22.6 #	19.1 #	15.5 #	14.2 #	19.2 #
Zinc	<1.9 mg/kg	TM181		494 M	177 M	170 M	126 M	107 M	212 M

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP49	P1TP49	P1TP49	P1TP50	P1TP50	P1TP50
			Depth (m)	2.20	3.00	3.20	0.20	1.00	2.80
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710176	8710177	8710178	8710179	8710180	8710183
			AGS Reference						
Moisture Content Ratio	%	PM024		12	10	11	10	13	12
Soil Organic Matter (SOM)	<0.35 %	TM132		1.91 #	2.93 #	2.91 #	3.65 #	6.84 #	3.38 #
pH	1 pH Units	TM133		7.95 M	8.11 M	8.01 M	7.87 M	7.94 M	8.07 M
Arsenic	<0.6 mg/kg	TM181		22.4 M	12 M	15.6 M	31.2 M	31.3 M	26 M
Cadmium	<0.02 mg/kg	TM181		0.711 M	0.612 M	0.611 M	1.04 M	1.05 M	0.84 M
Chromium	<0.9 mg/kg	TM181		15 M	14.3 M	15.1 M	16.2 M	15.9 M	15.1 M
Copper	<1.4 mg/kg	TM181		56 M	379 M	38.7 M	79.7 M	98.3 M	63.3 M
Lead	<0.7 mg/kg	TM181		70.2 M	87.4 M	108 M	164 M	82.2 M	59.9 M
Mercury	<0.14 mg/kg	TM181		0.639 M	<0.14 M	0.537 M	0.706 M	0.414 M	0.493 M
Nickel	<0.2 mg/kg	TM181		23.4 M	32.9 M	27.9 M	25.9 M	25 M	23.6 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	1.25 #	1.07 #
Vanadium	<0.2 mg/kg	TM181		18.6 #	15.8 #	17.9 #	19.6 #	21.3 #	20.8 #
Zinc	<1.9 mg/kg	TM181		175 M	159 M	129 M	364 M	206 M	169 M

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP51	P1TP51	P1TP51	P1TP51	P1TP52	P1TP52
			Depth (m)	0.30	1.30	2.10	2.80	0.30	1.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710186	8710190	8710192	8710193	8710195	8710196
			AGS Reference						
Moisture Content Ratio	%	PM024		11	11	8.8	10	13	12
Soil Organic Matter (SOM)	<0.35 %	TM132		3.81 #	2.03 #	1.69 #	1.86 #	3.67 #	4.1 #
pH	1 pH Units	TM133		8 M	7.83 M	6.46 M	6.93 M	7.89 M	7.86 M
Arsenic	<0.6 mg/kg	TM181		24.4 M	16.1 M	12.6 M	9.88 M	29.8 M	19.2 M
Cadmium	<0.02 mg/kg	TM181		0.714 M	0.557 M	0.703 M	0.687 M	0.832 M	0.708 M
Chromium	<0.9 mg/kg	TM181		13.4 M	15.9 M	18.1 M	21.2 M	15.4 M	13.7 M
Copper	<1.4 mg/kg	TM181		76.2 M	38 M	38.4 M	34.9 M	91.7 M	58.7 M
Lead	<0.7 mg/kg	TM181		74.1 M	25.9 M	30.7 M	33.6 M	307 M	99.2 M
Mercury	<0.14 mg/kg	TM181		1.67 M	<0.14 M	<0.14 M	<0.14 M	0.395 M	0.846 M
Nickel	<0.2 mg/kg	TM181		20.9 M	24.5 M	36.9 M	48.4 M	25.9 M	23.1 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		18.9 #	17.2 #	19.5 #	19.9 #	19 #	17.1 #
Zinc	<1.9 mg/kg	TM181		188 M	112 M	118 M	143 M	246 M	197 M

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP52	P1TP52	P1TP53	P1TP53	P1TP53	P1TP53
			Depth (m)	2.00	2.90	0.20	0.90	2.20	3.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710197	8710198	8710199	8710200	8710201	8710202
			AGS Reference						
Moisture Content Ratio	%	PM024		12	15	11	55	11	14
Soil Organic Matter (SOM)	<0.35 %	TM132		2.34 #	5.4 #	1.93 #	2.71 #	3.14 #	3.33 #
pH	1 pH Units	TM133		8.03 M	8.11 M	8.11 M	8 M	8.16 M	8.1 M
Arsenic	<0.6 mg/kg	TM181		20.5 M	33.9 M	20.3 M	17.2 M	17.8 M	15.3 M
Cadmium	<0.02 mg/kg	TM181		0.687 M	0.95 M	0.66 M	0.237 M	0.685 M	0.531 M
Chromium	<0.9 mg/kg	TM181		15.2 M	15.2 M	19.9 M	14.7 M	14.8 M	13.5 M
Copper	<1.4 mg/kg	TM181		59.9 M	138 M	54 M	55.4 M	44.9 M	36.6 M
Lead	<0.7 mg/kg	TM181		60.2 M	95.3 M	67.2 M	59 M	152 M	57.8 M
Mercury	<0.14 mg/kg	TM181		0.482 M	0.352 M	0.362 M	0.638 M	0.35 M	0.414 M
Nickel	<0.2 mg/kg	TM181		26.4 M	27.9 M	27.1 M	24.7 M	28.3 M	20.2 M
Selenium	<1 mg/kg	TM181		<1 #	1.3 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		16.1 #	19.5 #	18.8 #	18.2 #	19.9 #	15.6 #
Zinc	<1.9 mg/kg	TM181		164 M	236 M	139 M	161 M	140 M	144 M

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP53	P1TP54	P1TP54	P1TP54	P1TP54	P1TP54
			Depth (m)	3.90	0.40	1.00	1.90	3.10	4.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710203	8710204	8710205	8710206	8710207	8710208
			AGS Reference						
Moisture Content Ratio	%	PM024		53	14	11	11	14	13
Soil Organic Matter (SOM)	<0.35 %	TM132		3.76 #	3.65 #	4.36 #	1.93 #	4.4 #	3.67 #
pH	1 pH Units	TM133		8.07 M	7.87 M	8.02 M	8.14 M	7.88 M	7.92 M
Arsenic	<0.6 mg/kg	TM181		16.1 M	22.1 M	27.6 M	28.5 M	27.7 M	19.4 M
Cadmium	<0.02 mg/kg	TM181		0.181 M	0.79 M	0.994 M	0.871 M	0.986 M	0.897 M
Chromium	<0.9 mg/kg	TM181		34.4 M	14 M	17.3 M	17.2 M	17.2 M	25.1 M
Copper	<1.4 mg/kg	TM181		56.3 M	52.2 M	69.2 M	77.1 M	76.7 M	43 M
Lead	<0.7 mg/kg	TM181		55.5 M	78.9 M	90.6 M	91.9 M	72.3 M	60.8 M
Mercury	<0.14 mg/kg	TM181		0.398 M	0.518 M	0.605 M	0.514 M	0.728 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		26.7 M	22.9 M	25.8 M	25.1 M	25.2 M	31.7 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	1.43 #	1.04 #	1.09 #	1.03 #
Vanadium	<0.2 mg/kg	TM181		35.9 #	17.5 #	24.7 #	20.7 #	21.2 #	44.2 #
Zinc	<1.9 mg/kg	TM181		135 M	167 M	208 M	234 M	262 M	161 M

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP54	P1TP54	P1TP55	P1TP55	P1TP55	P1TP55
			Depth (m)	5.00	5.30	0.20	1.00	2.20	3.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710209	8710210	8710211	8710212	8710213	8710214
			AGS Reference						
Moisture Content Ratio	%	PM024		12	11	10	11	12	10
Soil Organic Matter (SOM)	<0.35 %	TM132		4.43 #	1.76 #	2.31 #	2.9 #	2.62 #	2.29 #
pH	1 pH Units	TM133		8.13 M	8.14 M	8.25 M	8.13 M	8.35 M	7.92 M
Arsenic	<0.6 mg/kg	TM181		22.2 M	9.16 M	16.2 M	23.5 M	20.9 M	15.1 M
Cadmium	<0.02 mg/kg	TM181		0.708 M	0.409 M	0.675 M	0.775 M	0.631 M	0.721 M
Chromium	<0.9 mg/kg	TM181		14 M	14.3 M	15.5 M	20.6 M	17.8 M	14.8 M
Copper	<1.4 mg/kg	TM181		59.6 M	18.6 M	48.1 M	62.2 M	46.7 M	52.7 M
Lead	<0.7 mg/kg	TM181		68.6 M	57.9 M	59.3 M	1080 M	84.9 M	68.8 M
Mercury	<0.14 mg/kg	TM181		0.213 M	0.293 M	0.436 M	0.71 M	0.611 M	0.315 M
Nickel	<0.2 mg/kg	TM181		25.4 M	27.5 M	24.9 M	30.3 M	19.2 M	26.8 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		16.6 #	14.7 #	16.6 #	25.4 #	15.3 #	15.1 #
Zinc	<1.9 mg/kg	TM181		155 M	126 M	152 M	220 M	211 M	188 M

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP55	P1TP55	P1TP56	P1TP56	P1TP56	P1TP56
			Depth (m)	3.90	5.00	0.30	1.30	2.10	3.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710215	8710216	8710218	8710219	8710221	8710222
			AGS Reference						
Moisture Content Ratio	%	PM024		13	10	9.3	9.4	11	9
Soil Organic Matter (SOM)	<0.35 %	TM132		3.15 #	2.6 #	1.18 #	2.17 #	3.4 #	2.29 #
pH	1 pH Units	TM133		7.99 M	7.9 M	8.03 M	8.21 M	8.1 M	8.09 M
Arsenic	<0.6 mg/kg	TM181		39.7 M	22.7 M	16.3 M	14.4 M	19.8 M	22.1 M
Cadmium	<0.02 mg/kg	TM181		0.709 M	0.847 M	0.717 M	0.62 M	0.769 M	0.683 M
Chromium	<0.9 mg/kg	TM181		38.7 M	36.5 M	18.1 M	13.5 M	15.9 M	20.5 M
Copper	<1.4 mg/kg	TM181		63.5 M	63.4 M	36.7 M	39.8 M	62.9 M	54.2 M
Lead	<0.7 mg/kg	TM181		95.5 M	103 M	52.7 M	63.2 M	80.6 M	73.8 M
Mercury	<0.14 mg/kg	TM181		0.777 M	0.394 M	0.249 M	0.205 M	0.362 M	0.503 M
Nickel	<0.2 mg/kg	TM181		19.8 M	26.3 M	27.5 M	24.8 M	27.6 M	28.5 M
Selenium	<1 mg/kg	TM181		<1 #	2.21 #	<1 #	<1 #	<1 #	1.11 #
Vanadium	<0.2 mg/kg	TM181		17.3 #	86.4 #	16.9 #	16.9 #	17.1 #	18.6 #
Zinc	<1.9 mg/kg	TM181		246 M	265 M	148 M	159 M	222 M	229 M

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP56	P1TP57	P1TP57	P1TP57	P1TP57	P1TP57
			Depth (m)	3.60	0.20	1.00	2.40	3.00	3.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710224	8710226	8710227	8710230	8710231	8710232
			AGS Reference						
Moisture Content Ratio	%	PM024		6.7	6.3	8.9	8.8	11	8.1
Soil Organic Matter (SOM)	<0.35 %	TM132		1.39 #	2.05 #	1.7 #	2.52 #	2.78 #	1.33 #
pH	1 pH Units	TM133		8.46 M	8.8 M	7.32 M	8.35 M	8.55 M	8.85 M
Arsenic	<0.6 mg/kg	TM181		16.2 M	66.6 M	17.4 M	28.3 M	26.1 M	13.7 M
Cadmium	<0.02 mg/kg	TM181		0.549 M	0.483 M	0.539 M	0.608 M	0.849 M	0.535 M
Chromium	<0.9 mg/kg	TM181		22.3 M	91 M	17.1 M	32.6 M	21.4 M	179 M
Copper	<1.4 mg/kg	TM181		35.6 M	66.3 M	31.5 M	57.4 M	78.2 M	30 M
Lead	<0.7 mg/kg	TM181		49.1 M	30.7 M	35 M	112 M	139 M	30.3 M
Mercury	<0.14 mg/kg	TM181		0.27 M	0.303 M	0.278 M	1.23 M	2.09 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		32.8 M	27.9 M	36.2 M	22.4 M	29.8 M	29.8 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	3.22 #
Vanadium	<0.2 mg/kg	TM181		21.8 #	13.4 #	25.7 #	18.9 #	20.3 #	138 #
Zinc	<1.9 mg/kg	TM181		136 M	114 M	130 M	296 M	363 M	105 M

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMS 50
			Depth (m)	1.90
			Sample Type	Soil/Solid
			Date Sampled	16/01/2014
			Sample Time	.
			Date Received	18/01/2014
			SDG Ref	140118-71
			Lab Sample No.(s)	8710181
			AGS Reference	
Moisture Content Ratio	%	PM024		12
Soil Organic Matter (SOM)	<0.35 %	TM132		2.41 #
pH	1 pH Units	TM133		8.14 M
Arsenic	<0.6 mg/kg	TM181		19.7 M
Cadmium	<0.02 mg/kg	TM181		0.659 M
Chromium	<0.9 mg/kg	TM181		54.7 M
Copper	<1.4 mg/kg	TM181		47.8 M
Lead	<0.7 mg/kg	TM181		52.6 M
Mercury	<0.14 mg/kg	TM181		0.616 M
Nickel	<0.2 mg/kg	TM181		24.1 M
Selenium	<1 mg/kg	TM181		1.36 #
Vanadium	<0.2 mg/kg	TM181		81.4 #
Zinc	<1.9 mg/kg	TM181		135 M

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP47	P1TP47	P1TP47	P1TP47	P1TP47	P1TP48
			Depth (m)	0.20	1.10	2.40	3.00	3.50	0.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710162	8710164	8710165	8710166	8710167	8710168
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

Semi Volatile Organic Compounds

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP47	P1TP47	P1TP47	P1TP47	P1TP47	P1TP48
			Depth (m)	0.20	1.10	2.40	3.00	3.50	0.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710162	8710164	8710165	8710166	8710167	8710168
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		113	<100	<100	<100	<100	150
Benzo(a)anthracene	<100 µg/kg	TM157		482	456	1140	374	285	743
Benzo(b)fluoranthene	<100 µg/kg	TM157		436	483	1210	337	317	455
Benzo(k)fluoranthene	<100 µg/kg	TM157		346	345	968	257	223	457
Benzo(a)pyrene	<100 µg/kg	TM157		448	461	1280	268	287	625
Benzo(g,h,i)perylene	<100 µg/kg	TM157		269	309	954	156	178	342
Chrysene	<100 µg/kg	TM157		572	793	1310	583	428	998
Fluoranthene	<100 µg/kg	TM157		823	603	1660	564	382	1470
Fluorene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		241	255	780	151	152	309
Phenanthrene	<100 µg/kg	TM157		602	464	830	324	333	520
Pyrene	<100 µg/kg	TM157		662	638	1390	436	409	1160
Naphthalene	<100 µg/kg	TM157		153	<100	<100	<100	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	259	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG: 140118-71 **Location:** Coed Darcy **Order Number:** CD0597
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294758
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 260597

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP48	P1TP48	P1TP48	P1TP48	P1TP49	P1TP49
			Depth (m)	1.20	2.00	3.10	3.80	0.20	1.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710169	8710170	8710171	8710172	8710173	8710174
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	188	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP48	P1TP48	P1TP48	P1TP48	P1TP49	P1TP49
			Depth (m)	1.20	2.00	3.10	3.80	0.20	1.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710169	8710170	8710171	8710172	8710173	8710174
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		226	<100	<100	<100	<100	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		153	<100	<100	<100	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		708	183	172	165	652	151
Benzo(b)fluoranthene	<100 µg/kg	TM157		752	165	175	149	566	150
Benzo(k)fluoranthene	<100 µg/kg	TM157		603	124	129	128	509	116
Benzo(a)pyrene	<100 µg/kg	TM157		707	174	157	164	604	160
Benzo(g,h,i)perylene	<100 µg/kg	TM157		355	128	<100	<100	309	<100
Chrysene	<100 µg/kg	TM157		892	338	288	231	735	201
Fluoranthene	<100 µg/kg	TM157		1080	263	245	196	820	249
Fluorene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		339	<100	<100	<100	305	<100
Phenanthrene	<100 µg/kg	TM157		778	203	209	125	267	165
Pyrene	<100 µg/kg	TM157		1040	236	227	197	696	283
Naphthalene	<100 µg/kg	TM157		162	<100	<100	<100	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		128	<100	<100	<100	122	<100

CERTIFICATE OF ANALYSIS

SDG: 140118-71 **Location:** Coed Darcy **Order Number:** CD0597
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294758
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 260597

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP49	P1TP49	P1TP49	P1TP50	P1TP50	P1TP50
			Depth (m)	2.20	3.00	3.20	0.20	1.00	2.80
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710176	8710177	8710178	8710179	8710180	8710183
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	129	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP49	P1TP49	P1TP49	P1TP50	P1TP50	P1TP50
			Depth (m)	2.20	3.00	3.20	0.20	1.00	2.80
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710176	8710177	8710178	8710179	8710180	8710183
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	151	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	298	<100	<100	<100
Anthracene	<100 µg/kg	TM157		<100	<100	125	<100	176	<100
Benzo(a)anthracene	<100 µg/kg	TM157		374	133	524	356	648	215
Benzo(b)fluoranthene	<100 µg/kg	TM157		437	179	496	327	551	242
Benzo(k)fluoranthene	<100 µg/kg	TM157		331	123	373	231	440	172
Benzo(a)pyrene	<100 µg/kg	TM157		444	156	420	315	527	227
Benzo(g,h,i)perylene	<100 µg/kg	TM157		301	<100	195	204	312	144
Chrysene	<100 µg/kg	TM157		463	171	645	614	798	314
Fluoranthene	<100 µg/kg	TM157		516	168	995	460	1040	316
Fluorene	<100 µg/kg	TM157		<100	<100	150	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		252	<100	190	174	299	127
Phenanthrene	<100 µg/kg	TM157		350	127	349	410	843	251
Pyrene	<100 µg/kg	TM157		474	195	842	473	886	336
Naphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	171	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

Semi Volatile Organic Compounds

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP51	P1TP51	P1TP51	P1TP51	P1TP52	P1TP52
			Depth (m)	0.30	1.30	2.10	2.80	0.30	1.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710186	8710190	8710192	8710193	8710195	8710196
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	245	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	208	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP51	P1TP51	P1TP51	P1TP51	P1TP52	P1TP52
			Depth (m)	0.30	1.30	2.10	2.80	0.30	1.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710186	8710190	8710192	8710193	8710195	8710196
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	117	120
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	170	<100	<100
Anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		184	464	167	<100	418	287
Benzo(b)fluoranthene	<100 µg/kg	TM157		159	449	180	<100	379	269
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	354	121	<100	308	227
Benzo(a)pyrene	<100 µg/kg	TM157		139	412	147	<100	379	255
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	227	<100	<100	238	159
Chrysene	<100 µg/kg	TM157		409	537	235	<100	619	443
Fluoranthene	<100 µg/kg	TM157		179	718	279	<100	605	505
Fluorene	<100 µg/kg	TM157		<100	<100	118	915	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	212	<100	<100	218	143
Phenanthrene	<100 µg/kg	TM157		188	518	240	1040	525	474
Pyrene	<100 µg/kg	TM157		210	540	254	142	607	462
Naphthalene	<100 µg/kg	TM157		<100	135	<100	<100	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP52	P1TP52	P1TP53	P1TP53	P1TP53	P1TP53
			Depth (m)	2.00	2.90	0.20	0.90	2.20	3.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710197	8710198	8710199	8710200	8710201	8710202
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP52	P1TP52	P1TP53	P1TP53	P1TP53	P1TP53
			Depth (m)	2.00	2.90	0.20	0.90	2.20	3.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710197	8710198	8710199	8710200	8710201	8710202
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	132
Benzo(a)anthracene	<100 µg/kg	TM157		<100	190	239	295	448	495
Benzo(b)fluoranthene	<100 µg/kg	TM157		<100	163	241	337	438	428
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	159	198	253	345	379
Benzo(a)pyrene	<100 µg/kg	TM157		<100	190	240	316	406	471
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	118	159	<100	239	264
Chrysene	<100 µg/kg	TM157		136	227	314	462	544	607
Fluoranthene	<100 µg/kg	TM157		132	246	320	488	616	875
Fluorene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	<100	144	<100	219	253
Phenanthrene	<100 µg/kg	TM157		115	117	188	403	242	514
Pyrene	<100 µg/kg	TM157		<100	217	308	423	516	823
Naphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP53	P1TP54	P1TP54	P1TP54	P1TP54	P1TP54
			Depth (m)	3.90	0.40	1.00	1.90	3.10	4.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710203	8710204	8710205	8710206	8710207	8710208
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	171	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	115	490	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP53	P1TP54	P1TP54	P1TP54	P1TP54	P1TP54
			Depth (m)	3.90	0.40	1.00	1.90	3.10	4.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710203	8710204	8710205	8710206	8710207	8710208
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	251	<100
Anthracene	<100 µg/kg	TM157		260	<100	<100	192	711	<100
Benzo(a)anthracene	<100 µg/kg	TM157		686	247	418	703	2860	235
Benzo(b)fluoranthene	<100 µg/kg	TM157		650	237	379	616	2460	254
Benzo(k)fluoranthene	<100 µg/kg	TM157		479	199	281	598	1520	207
Benzo(a)pyrene	<100 µg/kg	TM157		599	231	330	668	1730	238
Benzo(g,h,i)perylene	<100 µg/kg	TM157		353	140	187	380	907	163
Chrysene	<100 µg/kg	TM157		825	325	546	837	3230	363
Fluoranthene	<100 µg/kg	TM157		1150	429	633	1310	5580	275
Fluorene	<100 µg/kg	TM157		<100	<100	<100	<100	324	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		342	125	177	359	921	146
Phenanthrene	<100 µg/kg	TM157		959	258	481	852	4520	205
Pyrene	<100 µg/kg	TM157		932	412	547	1230	3120	285
Naphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	425	<100

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP54	P1TP54	P1TP55	P1TP55	P1TP55	P1TP55
			Depth (m)	5.00	5.30	0.20	1.00	2.20	3.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710209	8710210	8710211	8710212	8710213	8710214
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP54	P1TP54	P1TP55	P1TP55	P1TP55	P1TP55
			Depth (m)	5.00	5.30	0.20	1.00	2.20	3.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710209	8710210	8710211	8710212	8710213	8710214
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	119	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		211	142	144	276	467	155
Benzo(b)fluoranthene	<100 µg/kg	TM157		234	137	193	311	480	169
Benzo(k)fluoranthene	<100 µg/kg	TM157		150	<100	151	238	382	136
Benzo(a)pyrene	<100 µg/kg	TM157		191	118	185	308	466	172
Benzo(g,h,i)perylene	<100 µg/kg	TM157		139	<100	111	215	320	119
Chrysene	<100 µg/kg	TM157		328	217	202	356	689	243
Fluoranthene	<100 µg/kg	TM157		253	192	203	400	628	215
Fluorene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		121	<100	<100	185	284	<100
Phenanthrene	<100 µg/kg	TM157		173	131	121	254	412	170
Pyrene	<100 µg/kg	TM157		283	224	178	352	658	240
Naphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG: 140118-71 **Location:** Coed Darcy **Order Number:** CD0597
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294758
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 260597

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP55	P1TP55	P1TP56	P1TP56	P1TP56	P1TP56
			Depth (m)	3.90	5.00	0.30	1.30	2.10	3.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710215	8710216	8710218	8710219	8710221	8710222
			AGS Reference						
Phenol	<100 µg/kg	TM157		<500	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<500	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<500	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<500	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<500	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<500	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<500	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<500	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<500	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<500	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<500	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<500	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<500	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<500	<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<500	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<500	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<500	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<500	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<500	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<500	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<500	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<500	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<500	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<500	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<500	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<500	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<500	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<500	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<500	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<500	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<500	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<500	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

Semi Volatile Organic Compounds

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP55	P1TP55	P1TP56	P1TP56	P1TP56	P1TP56
			Depth (m)	3.90	5.00	0.30	1.30	2.10	3.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710215	8710216	8710218	8710219	8710221	8710222
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<500	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<500	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<500	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<500	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<500	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<500	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<500	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<500	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<500	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<500	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<500	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<500	<100	<100	<100	<100	134
Acenaphthylene	<100 µg/kg	TM157		<500	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<500	<100	<100	<100	<100	129
Anthracene	<100 µg/kg	TM157		<500	<100	<100	<100	<100	215
Benzo(a)anthracene	<100 µg/kg	TM157		1610	367	159	144	<100	813
Benzo(b)fluoranthene	<100 µg/kg	TM157		1140	385	153	171	127	675
Benzo(k)fluoranthene	<100 µg/kg	TM157		1030	291	126	133	<100	606
Benzo(a)pyrene	<100 µg/kg	TM157		1240	385	161	166	122	751
Benzo(g,h,i)perylene	<100 µg/kg	TM157		629	234	116	150	<100	455
Chrysene	<100 µg/kg	TM157		1620	485	207	227	135	1030
Fluoranthene	<100 µg/kg	TM157		2790	550	207	222	142	1470
Fluorene	<100 µg/kg	TM157		<500	<100	<100	<100	<100	163
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		586	209	<100	120	<100	403
Phenanthrene	<100 µg/kg	TM157		2340	323	148	182	<100	950
Pyrene	<100 µg/kg	TM157		2250	485	191	262	131	1330
Naphthalene	<100 µg/kg	TM157		<500	<100	<100	<100	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<500	<100	<100	<100	<100	134

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP56	P1TP57	P1TP57	P1TP57	P1TP57	P1TP57
			Depth (m)	3.60	0.20	1.00	2.40	3.00	3.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710224	8710226	8710227	8710230	8710231	8710232
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	1850	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	1620	<100	121	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP56	P1TP57	P1TP57	P1TP57	P1TP57	P1TP57
			Depth (m)	3.60	0.20	1.00	2.40	3.00	3.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710224	8710226	8710227	8710230	8710231	8710232
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	840	192	<100	<100	<100
Acenaphthylene	<100 µg/kg	TM157		<100	129	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	2900	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		<100	3110	155	121	182	<100
Benzo(a)anthracene	<100 µg/kg	TM157		266	7240	374	745	1100	295
Benzo(b)fluoranthene	<100 µg/kg	TM157		221	5020	305	911	1150	337
Benzo(k)fluoranthene	<100 µg/kg	TM157		184	4600	245	715	944	269
Benzo(a)pyrene	<100 µg/kg	TM157		223	6060	349	917	1230	367
Benzo(g,h,i)perylene	<100 µg/kg	TM157		154	2530	199	671	929	302
Chrysene	<100 µg/kg	TM157		438	6960	487	915	1560	409
Fluoranthene	<100 µg/kg	TM157		412	17200	676	1240	1600	435
Fluorene	<100 µg/kg	TM157		107	2950	<100	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		131	2560	174	573	769	251
Phenanthrene	<100 µg/kg	TM157		395	17000	663	696	817	361
Pyrene	<100 µg/kg	TM157		654	12800	640	1030	1570	441
Naphthalene	<100 µg/kg	TM157		<100	2880	<100	<100	113	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	755	<100	179	223	<100

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMS 50
			Depth (m)	1.90
			Sample Type	Soil/Solid
			Date Sampled	16/01/2014
			Sample Time	.
			Date Received	18/01/2014
			SDG Ref	140118-71
			Lab Sample No.(s)	8710181
			AGS Reference	
Phenol	<100 µg/kg	TM157		<100
Pentachlorophenol	<100 µg/kg	TM157		<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100
Nitrobenzene	<100 µg/kg	TM157		<100
Isophorone	<100 µg/kg	TM157		<100
Hexachloroethane	<100 µg/kg	TM157		<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100
Hexachlorobenzene	<100 µg/kg	TM157		<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100
Dimethyl phthalate	<100 µg/kg	TM157		<100
Diethyl phthalate	<100 µg/kg	TM157		<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100
Dibenzofuran	<100 µg/kg	TM157		<100
Carbazole	<100 µg/kg	TM157		<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100
Azobenzene	<100 µg/kg	TM157		<100
4-Nitrophenol	<100 µg/kg	TM157		<100
4-Nitroaniline	<100 µg/kg	TM157		<100
4-Methylphenol	<100 µg/kg	TM157		<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100
4-Chloroaniline	<100 µg/kg	TM157		<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100
3-Nitroaniline	<100 µg/kg	TM157		<100
2-Nitrophenol	<100 µg/kg	TM157		<100
2-Nitroaniline	<100 µg/kg	TM157		<100
2-Methylphenol	<100 µg/kg	TM157		<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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)

Customer Sample Ref.	SMS 50
Depth (m)	1.90
Sample Type	Soil/Solid
Date Sampled	16/01/2014
Sample Time	.
Date Received	18/01/2014
SDG Ref	140118-71
Lab Sample No.(s)	8710181
AGS Reference	

Component	LOD/Units	Method	
2-Chlorophenol	<100 µg/kg	TM157	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157	<100
2,4-Dimethylphenol	<100 µg/kg	TM157	<100
2,4-Dichlorophenol	<100 µg/kg	TM157	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157	<100
2-Chloronaphthalene	<100 µg/kg	TM157	<100
2-Methylnaphthalene	<100 µg/kg	TM157	159
Acenaphthylene	<100 µg/kg	TM157	<100
Acenaphthene	<100 µg/kg	TM157	<100
Anthracene	<100 µg/kg	TM157	<100
Benzo(a)anthracene	<100 µg/kg	TM157	408
Benzo(b)fluoranthene	<100 µg/kg	TM157	442
Benzo(k)fluoranthene	<100 µg/kg	TM157	323
Benzo(a)pyrene	<100 µg/kg	TM157	403
Benzo(g,h,i)perylene	<100 µg/kg	TM157	274
Chrysene	<100 µg/kg	TM157	671
Fluoranthene	<100 µg/kg	TM157	531
Fluorene	<100 µg/kg	TM157	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157	239
Phenanthrene	<100 µg/kg	TM157	472
Pyrene	<100 µg/kg	TM157	602
Naphthalene	<100 µg/kg	TM157	130
Dibenzo(a,h)anthracene	<100 µg/kg	TM157	<100

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP47	P1TP47	P1TP47	P1TP47	P1TP47	P1TP48
			Depth (m)	0.20	1.10	2.40	3.00	3.50	0.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710162	8710164	8710165	8710166	8710167	8710168
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		38	38	66	73	70	65
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		1010 M	1070 M	84500 M	3670 M	3240 M	5450 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	39.1 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		3.33 M	6.96 M	120 M	<2 M	21.9 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	35.4 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 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	159	<24	<24	35.4
Aliphatics >C5-C6	<10 µg/kg	TM089		<10	15.1	534	10.5	13.8	20.1
Aliphatics >C6-C8	<10 µg/kg	TM089		42.2	54.5	20400	67.9	166	603
Aliphatics >C8-C10	<10 µg/kg	TM089		148	158	27100	679	635	1280
Aliphatics >C10-C12	<10 µg/kg	TM089		423	435	10900	1470	1180	1600
Aliphatics >C12-C16	<100 µg/kg	TM173		25700	16900	16400	16700	54000	34300
Aliphatics >C16-C21	<100 µg/kg	TM173		42700	39700	42800	23000	39500	88200
Aliphatics >C21-C35	<100 µg/kg	TM173		115000	138000	202000	67800	115000	185000
Aliphatics >C35-C44	<100 µg/kg	TM173		47200	33100	76100	9880	55400	37400
Total Aliphatics >C12-C44	<100 µg/kg	TM173		231000	228000	338000	117000	264000	345000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	39.1	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	120	<10	21.9	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		101	109	18100	453	428	887
Aromatics >EC10-EC12	<10 µg/kg	TM089		282	290	7290	982	789	1060
Aromatics >EC12-EC16	<100 µg/kg	TM173		6830	6580	6420	5790	16000	10800
Aromatics >EC16-EC21	<100 µg/kg	TM173		28500	57600	35000	17500	36000	75200
Aromatics >EC21-EC35	<100 µg/kg	TM173		135000	223000	239000	72100	155000	219000
Aromatics >EC35-EC44	<100 µg/kg	TM173		68800	83800	122000	14200	80900	63900
Aromatics >EC40-EC44	<100 µg/kg	TM173		28900	32100	52100	2610	34000	23200
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		239000	371000	402000	109000	288000	369000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		471000	600000	824000	230000	554000	719000

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP48	P1TP48	P1TP48	P1TP48	P1TP49	P1TP49
			Depth (m)	1.20	2.00	3.10	3.80	0.20	1.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710169	8710170	8710171	8710172	8710173	8710174
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		59	62	48	39	84	74
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		4240 M	3830 M	5050 M	3960 M	3460 M	2190 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		21.9 M	43.3 M	<2 M	16.8 M	15.7 M	21.3 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	4.56 M	15.1 M	5.6 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	7.84 M	8.96 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 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	47.9	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		19.6	20.5	12.8	14.6	15.7	21.3
Aliphatics >C6-C8	<10 µg/kg	TM089		207	113	84.7	88.5	122	97.4
Aliphatics >C8-C10	<10 µg/kg	TM089		787	599	1050	682	586	384
Aliphatics >C10-C12	<10 µg/kg	TM089		1600	1590	1910	1610	1390	838
Aliphatics >C12-C16	<100 µg/kg	TM173		76000	19000	16000	25500	22100	8490
Aliphatics >C16-C21	<100 µg/kg	TM173		55500	13200	16900	26600	33700	20700
Aliphatics >C21-C35	<100 µg/kg	TM173		122000	52100	42700	58700	92000	62600
Aliphatics >C35-C44	<100 µg/kg	TM173		58800	25600	11200	19100	36000	11200
Total Aliphatics >C12-C44	<100 µg/kg	TM173		312000	110000	86900	130000	184000	103000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	10.3	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		21.9	43.3	<10	16.8	15.7	21.3
Aromatics >EC8-EC10	<10 µg/kg	TM089		528	405	715	463	399	265
Aromatics >EC10-EC12	<10 µg/kg	TM089		1070	1060	1270	1080	926	559
Aromatics >EC12-EC16	<100 µg/kg	TM173		17900	5970	2690	9070	8090	2040
Aromatics >EC16-EC21	<100 µg/kg	TM173		50900	14000	12300	25500	33800	14300
Aromatics >EC21-EC35	<100 µg/kg	TM173		183000	88400	55200	94900	126000	70100
Aromatics >EC35-EC44	<100 µg/kg	TM173		88700	75400	25500	40500	59400	33500
Aromatics >EC40-EC44	<100 µg/kg	TM173		36400	33900	9630	16500	26100	13000
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		340000	184000	95700	170000	227000	120000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		656000	297000	188000	304000	414000	225000

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP49	P1TP49	P1TP49	P1TP50	P1TP50	P1TP50
			Depth (m)	2.20	3.00	3.20	0.20	1.00	2.80
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710176	8710177	8710178	8710179	8710180	8710183
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		47	73	96	72	58	70
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		12000 M	2890 M	742 M	4460 M	1120 M	4150 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	21.3 M	<2 M	<2 M	8.05 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		67.3 M	11.2 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 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		67.3	32.5	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		20.5	21.3	<10	14.4	11.5	10.3
Aliphatics >C6-C8	<10 µg/kg	TM089		526	156	47.5	142	55.2	136
Aliphatics >C8-C10	<10 µg/kg	TM089		2860	440	158	971	215	945
Aliphatics >C10-C12	<10 µg/kg	TM089		3960	1160	254	1610	409	1450
Aliphatics >C12-C16	<100 µg/kg	TM173		41100	40400	9450	40300	35700	36400
Aliphatics >C16-C21	<100 µg/kg	TM173		54700	47700	12800	47300	21300	30100
Aliphatics >C21-C35	<100 µg/kg	TM173		106000	156000	42000	112000	50600	73000
Aliphatics >C35-C44	<100 µg/kg	TM173		34600	58200	16400	52700	15700	12200
Total Aliphatics >C12-C44	<100 µg/kg	TM173		237000	302000	80600	253000	123000	152000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	21.3	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		1970	306	105	647	144	636
Aromatics >EC10-EC12	<10 µg/kg	TM089		2640	776	170	1070	274	967
Aromatics >EC12-EC16	<100 µg/kg	TM173		10200	8990	<100	10300	9490	9110
Aromatics >EC16-EC21	<100 µg/kg	TM173		41100	28300	8580	38000	20100	21500
Aromatics >EC21-EC35	<100 µg/kg	TM173		142000	111000	44000	162000	74700	76900
Aromatics >EC35-EC44	<100 µg/kg	TM173		68100	54300	24900	77100	33600	26900
Aromatics >EC40-EC44	<100 µg/kg	TM173		26200	22000	11300	29800	14700	8970
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		262000	203000	73300	288000	138000	134000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		511000	508000	155000	545000	262000	290000

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP51	P1TP51	P1TP51	P1TP51	P1TP52	P1TP52
			Depth (m)	0.30	1.30	2.10	2.80	0.30	1.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710186	8710190	8710192	8710193	8710195	8710196
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		46	71	75	104	98	72
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		3280 M	886 M	4070 M	4930 M	5250 M	3710 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	11.5 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	2.24 M	<2 M	<2 M	16.1 M	7.98 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		9.04 M	<6 M	9.87 M	8.96 M	15 M	6.84 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		9.04	<9	9.87	<9	15	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	<24	42.6	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		15.8	10.1	11	13.4	26.5	12.5
Aliphatics >C6-C8	<10 µg/kg	TM089		134	37	90	104	198	84.4
Aliphatics >C8-C10	<10 µg/kg	TM089		643	236	343	445	974	624
Aliphatics >C10-C12	<10 µg/kg	TM089		1230	263	2030	2440	2010	1530
Aliphatics >C12-C16	<100 µg/kg	TM173		35200	24200	130000	252000	64300	58600
Aliphatics >C16-C21	<100 µg/kg	TM173		43300	34500	110000	239000	56800	52500
Aliphatics >C21-C35	<100 µg/kg	TM173		187000	69600	54000	43900	112000	125000
Aliphatics >C35-C44	<100 µg/kg	TM173		121000	19100	15200	6600	34800	34600
Total Aliphatics >C12-C44	<100 µg/kg	TM173		387000	147000	309000	542000	268000	271000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	11.5	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	16.1	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		438	160	238	306	665	423
Aromatics >EC10-EC12	<10 µg/kg	TM089		819	175	1350	1630	1340	1020
Aromatics >EC12-EC16	<100 µg/kg	TM173		10300	6290	80400	319000	32700	15400
Aromatics >EC16-EC21	<100 µg/kg	TM173		27000	20000	105000	314000	48000	33400
Aromatics >EC21-EC35	<100 µg/kg	TM173		124000	74900	69700	49000	122000	134000
Aromatics >EC35-EC44	<100 µg/kg	TM173		70000	40300	29500	1670	55300	41800
Aromatics >EC40-EC44	<100 µg/kg	TM173		29200	15700	11900	1080	21500	12400
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		231000	142000	285000	684000	258000	225000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		622000	290000	598000	1230000	531000	499000

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP52	P1TP52	P1TP53	P1TP53	P1TP53	P1TP53
			Depth (m)	2.00	2.90	0.20	0.90	2.20	3.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710197	8710198	8710199	8710200	8710201	8710202
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		65	75	48	97	60	65
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		968 M	2980 M	1510 M	772 M	1400 M	1810 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		4.56 M	15.2 M	<2 M	8.8 M	11.2 M	5.8 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	10.5 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	10.5	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	25.7	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		11.4	18.7	<10	13.2	14.6	13.9
Aliphatics >C6-C8	<10 µg/kg	TM089		53.6	80.7	38.1	63.8	52.6	73.1
Aliphatics >C8-C10	<10 µg/kg	TM089		155	494	261	123	206	313
Aliphatics >C10-C12	<10 µg/kg	TM089		382	1220	616	282	581	716
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	8810	23300	<100	17900	21100
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	7320	77400	<100	22000	31600
Aliphatics >C21-C35	<100 µg/kg	TM173		20200	17500	547000	<100	63900	81700
Aliphatics >C35-C44	<100 µg/kg	TM173		7350	5570	189000	<100	18600	35400
Total Aliphatics >C12-C44	<100 µg/kg	TM173		27500	39100	837000	<100	122000	170000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	15.2	<10	<10	11.2	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		105	339	175	85.8	142	209
Aromatics >EC10-EC12	<10 µg/kg	TM089		254	812	411	187	388	477
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	3640	10300	<100	8470	3890
Aromatics >EC16-EC21	<100 µg/kg	TM173		4090	7820	65300	<100	24900	18800
Aromatics >EC21-EC35	<100 µg/kg	TM173		25400	27700	304000	<100	116000	82500
Aromatics >EC35-EC44	<100 µg/kg	TM173		14900	16000	190000	<100	58600	46700
Aromatics >EC40-EC44	<100 µg/kg	TM173		6590	7360	104000	<100	24200	20700
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		40200	55100	569000	<100	208000	152000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		68700	97200	1410000	482	332000	324000

CERTIFICATE OF ANALYSIS

SDG: 140118-71 **Location:** Coed Darcy **Order Number:** CD0597
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294758
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 260597

TPH CWG (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP53	P1TP54	P1TP54	P1TP54	P1TP54	P1TP54
			Depth (m)	3.90	0.40	1.00	1.90	3.10	4.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710203	8710204	8710205	8710206	8710207	8710208
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		55	67	67	66	69	57
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		1140 M	1470 M	2550 M	1690 M	4320 M	3680 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		12.6 M	<2 M	<2 M	2.24 M	2.32 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	3.48 M	14.7 M	<3 M	3.48 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 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		12.6	<10	<10	10.1	16.2	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		44.1	53.4	128	42.6	136	110
Aliphatics >C8-C10	<10 µg/kg	TM089		170	262	529	263	810	852
Aliphatics >C10-C12	<10 µg/kg	TM089		470	575	909	718	1680	1290
Aliphatics >C12-C16	<100 µg/kg	TM173		41400	20300	34200	61900	11700	40600
Aliphatics >C16-C21	<100 µg/kg	TM173		67100	38300	55400	131000	12100	40400
Aliphatics >C21-C35	<100 µg/kg	TM173		139000	99100	198000	370000	50200	114000
Aliphatics >C35-C44	<100 µg/kg	TM173		99600	48600	70600	104000	9300	35700
Total Aliphatics >C12-C44	<100 µg/kg	TM173		347000	206000	358000	666000	83300	231000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		12.6	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		116	180	367	178	546	572
Aromatics >EC10-EC12	<10 µg/kg	TM089		313	384	606	478	1120	857
Aromatics >EC12-EC16	<100 µg/kg	TM173		11000	6240	13300	23100	4390	11800
Aromatics >EC16-EC21	<100 µg/kg	TM173		45400	29000	42900	101000	14600	27300
Aromatics >EC21-EC35	<100 µg/kg	TM173		152000	108000	150000	322000	84000	122000
Aromatics >EC35-EC44	<100 µg/kg	TM173		77500	53500	53500	107000	49100	36300
Aromatics >EC40-EC44	<100 µg/kg	TM173		34600	23500	21000	41200	20200	9530
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		286000	197000	260000	553000	152000	197000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		634000	404000	621000	1220000	240000	432000

CERTIFICATE OF ANALYSIS

SDG: 140118-71 **Location:** Coed Darcy **Order Number:** CD0597
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294758
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 260597

TPH CWG (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP54	P1TP54	P1TP55	P1TP55	P1TP55	P1TP55
			Depth (m)	5.00	5.30	0.20	1.00	2.20	3.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710209	8710210	8710211	8710212	8710213	8710214
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		72	74	81	73	70	65
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		3470 M	11000 M	1750 M	2420 M	2270 M	1350 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	23.5 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	22.4 M	3.33 M	24.6 M	6.78 M	12.2 M
Ethylbenzene	<3 µg/kg	TM089		7.98 M	<3 M	<3 M	<3 M	11.3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 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	45.9	<24	24.6	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		13.7	<10	<10	13.4	13.6	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		101	619	51.1	137	110	48.8
Aliphatics >C8-C10	<10 µg/kg	TM089		634	2890	341	519	436	255
Aliphatics >C10-C12	<10 µg/kg	TM089		1370	3280	670	827	836	511
Aliphatics >C12-C16	<100 µg/kg	TM173		25400	65400	14600	32800	25600	30000
Aliphatics >C16-C21	<100 µg/kg	TM173		29100	32500	25000	58000	34700	51600
Aliphatics >C21-C35	<100 µg/kg	TM173		54700	45300	110000	188000	104000	202000
Aliphatics >C35-C44	<100 µg/kg	TM173		22300	10100	48900	59000	33900	79000
Total Aliphatics >C12-C44	<100 µg/kg	TM173		131000	153000	199000	338000	198000	363000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	23.5	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	22.4	<10	24.6	<10	12.2
Aromatics >EC8-EC10	<10 µg/kg	TM089		432	1930	232	346	306	173
Aromatics >EC10-EC12	<10 µg/kg	TM089		913	2190	447	551	557	341
Aromatics >EC12-EC16	<100 µg/kg	TM173		10400	25000	5220	7620	7680	9780
Aromatics >EC16-EC21	<100 µg/kg	TM173		38200	38400	18200	38400	27000	36100
Aromatics >EC21-EC35	<100 µg/kg	TM173		126000	65800	81600	187000	128000	183000
Aromatics >EC35-EC44	<100 µg/kg	TM173		61000	35800	37000	90300	72900	80700
Aromatics >EC40-EC44	<100 µg/kg	TM173		25400	15300	15600	36500	30600	33200
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		235000	165000	142000	323000	235000	309000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		370000	329000	342000	663000	436000	673000

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP55	P1TP55	P1TP56	P1TP56	P1TP56	P1TP56
			Depth (m)	3.90	5.00	0.30	1.30	2.10	3.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710215	8710216	8710218	8710219	8710221	8710222
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		55	64	89	70	64	104
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		5420 M	666 M	11000 M	4990 M	5970 M	11000 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	15.4 M
Toluene	<2 µg/kg	TM089		65.6 M	5.6 M	<2 M	<2 M	9.04 M	50.6 M
Ethylbenzene	<3 µg/kg	TM089		38 M	<3 M	<3 M	<3 M	11.3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	10.1 M	<6 M	<6 M	<6 M	7.69 M
o-Xylene	<3 µg/kg	TM089		29.9 M	<3 M	<3 M	<3 M	<3 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		29.9	10.1	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		134	<24	<24	<24	<24	66
Aliphatics >C5-C6	<10 µg/kg	TM089		21.9	10.1	19.8	<10	18.1	26.4
Aliphatics >C6-C8	<10 µg/kg	TM089		285	81.8	559	208	128	213
Aliphatics >C8-C10	<10 µg/kg	TM089		1110	333	2980	1170	1060	1290
Aliphatics >C10-C12	<10 µg/kg	TM089		1870	<10	3240	1690	2420	5140
Aliphatics >C12-C16	<100 µg/kg	TM173		16100	22700	16300	26600	16300	83200
Aliphatics >C16-C21	<100 µg/kg	TM173		33200	41800	20200	43800	33000	72300
Aliphatics >C21-C35	<100 µg/kg	TM173		119000	130000	87000	194000	165000	156000
Aliphatics >C35-C44	<100 µg/kg	TM173		30900	41000	33800	63000	93100	56600
Total Aliphatics >C12-C44	<100 µg/kg	TM173		200000	236000	157000	327000	307000	368000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	15.4
Aromatics >EC7-EC8	<10 µg/kg	TM089		65.6	<10	<10	<10	<10	50.6
Aromatics >EC8-EC10	<10 µg/kg	TM089		813	232	1990	782	718	869
Aromatics >EC10-EC12	<10 µg/kg	TM089		1250	<10	2160	1130	1620	3430
Aromatics >EC12-EC16	<100 µg/kg	TM173		4930	5470	7520	9250	6120	28900
Aromatics >EC16-EC21	<100 µg/kg	TM173		25500	27000	18700	31000	24100	59600
Aromatics >EC21-EC35	<100 µg/kg	TM173		110000	128000	87800	140000	111000	153000
Aromatics >EC35-EC44	<100 µg/kg	TM173		53700	68000	45600	37500	79800	76900
Aromatics >EC40-EC44	<100 µg/kg	TM173		22900	28500	20500	10800	40900	31300
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		194000	229000	160000	218000	221000	318000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		399000	465000	328000	550000	534000	697000

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

TPH CWG (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP56	P1TP57	P1TP57	P1TP57	P1TP57	P1TP57
			Depth (m)	3.60	0.20	1.00	2.40	3.00	3.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710224	8710226	8710227	8710230	8710231	8710232
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		73	39	76	41	75	68
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		19800 M	2220 M	6270 M	485 M	2110 M	1550 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	15.4 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		12.9 M	11.7 M	28.5 M	6.58 M	4.48 M	10.9 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	6.4 M	<3 M	<3 M	6.72 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 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	43.9	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		<10	16	24.2	11	13.4	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		96.5	81.1	253	40.6	69.4	45.7
Aliphatics >C8-C10	<10 µg/kg	TM089		1460	399	1190	79	385	174
Aliphatics >C10-C12	<10 µg/kg	TM089		10300	856	2380	174	823	713
Aliphatics >C12-C16	<100 µg/kg	TM173		322000	8630	127000	13900	23200	33400
Aliphatics >C16-C21	<100 µg/kg	TM173		86300	16000	62800	37300	135000	50700
Aliphatics >C21-C35	<100 µg/kg	TM173		114000	47000	68600	131000	<100	100000
Aliphatics >C35-C44	<100 µg/kg	TM173		21100	5630	21300	46400	16600	23500
Total Aliphatics >C12-C44	<100 µg/kg	TM173		544000	77300	280000	229000	175000	208000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	15.4	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		12.9	11.7	28.5	<10	<10	10.9
Aromatics >EC8-EC10	<10 µg/kg	TM089		976	276	794	54.9	264	120
Aromatics >EC10-EC12	<10 µg/kg	TM089		6890	571	1580	116	549	475
Aromatics >EC12-EC16	<100 µg/kg	TM173		93600	3390	30200	5620	8580	22300
Aromatics >EC16-EC21	<100 µg/kg	TM173		144000	11700	45400	22500	24200	40600
Aromatics >EC21-EC35	<100 µg/kg	TM173		244000	36300	96300	121000	107000	81300
Aromatics >EC35-EC44	<100 µg/kg	TM173		86800	14100	37800	67800	34800	41300
Aromatics >EC40-EC44	<100 µg/kg	TM173		31600	5290	14300	28700	10800	17800
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		569000	65500	210000	217000	175000	185000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		1130000	145000	496000	447000	352000	395000

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMS 50
			Depth (m)	1.90
			Sample Type	Soil/Solid
			Date Sampled	16/01/2014
			Sample Time	.
			Date Received	18/01/2014
			SDG Ref	140118-71
			Lab Sample No.(s)	8710181
			AGS Reference	
GRO Surrogate % recovery**	%	TM089		78
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		2160 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M
Benzene	<10 µg/kg	TM089		<10 M
Toluene	<2 µg/kg	TM089		5.7 M
Ethylbenzene	<3 µg/kg	TM089		<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M
o-Xylene	<3 µg/kg	TM089		<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24
Aliphatics >C5-C6	<10 µg/kg	TM089		12.5
Aliphatics >C6-C8	<10 µg/kg	TM089		59.3
Aliphatics >C8-C10	<10 µg/kg	TM089		365
Aliphatics >C10-C12	<10 µg/kg	TM089		884
Aliphatics >C12-C16	<100 µg/kg	TM173		37400
Aliphatics >C16-C21	<100 µg/kg	TM173		45800
Aliphatics >C21-C35	<100 µg/kg	TM173		111000
Aliphatics >C35-C44	<100 µg/kg	TM173		35200
Total Aliphatics >C12-C44	<100 µg/kg	TM173		229000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		244
Aromatics >EC10-EC12	<10 µg/kg	TM089		589
Aromatics >EC12-EC16	<100 µg/kg	TM173		14200
Aromatics >EC16-EC21	<100 µg/kg	TM173		39600
Aromatics >EC21-EC35	<100 µg/kg	TM173		183000
Aromatics >EC35-EC44	<100 µg/kg	TM173		69400
Aromatics >EC40-EC44	<100 µg/kg	TM173		25000
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		307000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		538000

CERTIFICATE OF ANALYSIS

SDG: 140118-71 **Location:** Coed Darcy **Order Number:** CD0597
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294758
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 260597

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP47	P1TP47	P1TP47	P1TP47	P1TP47	P1TP48
			Depth (m)	0.20	1.10	2.40	3.00	3.50	0.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710162	8710164	8710165	8710166	8710167	8710168
			AGS Reference						
Dibromofluoromethane**	%	TM116		107	109	107	106	106	110
Toluene-d8**	%	TM116		99	98	99.4	98.6	97.5	99.9
4-Bromofluorobenzene**	%	TM116		108	111	110	111	112	109
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
Chloromethane	<7 µg/kg	TM116		<140	<140	<140	<140	<140	<140
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<200	<200	<200	<200
Bromomethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M
Chloroethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
1,1-Dichloroethane	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M	<160 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
2,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Chloroform	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M	<160 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
1,1-Dichloropropene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
1,2-Dichloroethane	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Benzene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
1,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Toluene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<2000	<2000	<2000	<2000	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP47	P1TP47	P1TP47	P1TP47	P1TP47	P1TP48
			Depth (m)	0.20	1.10	2.40	3.00	3.50	0.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710162	8710164	8710165	8710166	8710167	8710168
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<140 #	<140 #	<140 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M
1,2-Dibromoethane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<280 #	<280 #	<280 #
o-Xylene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Styrene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Bromoform	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 M	<340 M	<340 M	<340 M	<340 M	<340 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<160 #	<160 #	<160 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<240 #	<240 #	<240 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<180 #	<180 #	<180 #	<180 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<300	<300	<300	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<120 #	<120 #	<120 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<240	<240	<240	<240
Naphthalene	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sample Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
			P1TP47	0.20	Soil/Solid	16/01/2014	.	18/01/2014	140118-71	8710162	
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	<120 M								
			P1TP47	1.10	Soil/Solid	16/01/2014	.	18/01/2014	140118-71	8710164	
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	<120 M								
			P1TP47	2.40	Soil/Solid	16/01/2014	.	18/01/2014	140118-71	8710165	
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	<120 M								
			P1TP47	3.00	Soil/Solid	16/01/2014	.	18/01/2014	140118-71	8710166	
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	<120 M								
			P1TP47	3.50	Soil/Solid	16/01/2014	.	18/01/2014	140118-71	8710167	
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	<120 M								
			P1TP48	0.40	Soil/Solid	16/01/2014	.	18/01/2014	140118-71	8710168	
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	<120 M								

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP48	P1TP48	P1TP48	P1TP48	P1TP49	P1TP49
			Depth (m)	1.20	2.00	3.10	3.80	0.20	1.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710169	8710170	8710171	8710172	8710173	8710174
			AGS Reference						
Dibromofluoromethane**	%	TM116		109	109	105	108	106	111
Toluene-d8**	%	TM116		99.4	101	96.1	98.8	99.4	98.8
4-Bromofluorobenzene**	%	TM116		112	101	128	109	107	107
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<80 M	<8 M	<80 M	<80 M	<80 M
Chloromethane	<7 µg/kg	TM116		<140	<140	<14	<140	<140	<140
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<20	<200	<200	<200
Bromomethane	<13 µg/kg	TM116		<260 M	<260 M	<26 M	<260 M	<260 M	<260 M
Chloroethane	<14 µg/kg	TM116		<280 M	<280 M	<28 M	<280 M	<280 M	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<120 M	<12 M	<120 M	<120 M	<120 M
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<20 #	<200 #	<200 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<140 M	<14 M	<140 M	<140 M	<140 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #	<20 #	<200 #	<200 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<220 M	<22 M	<220 M	<220 M	<220 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 M	<220 M	<22 M	<220 M	<220 M	<220 M
1,1-Dichloroethane	<8 µg/kg	TM116		<160 M	<160 M	<16 M	<160 M	<160 M	<160 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 M	<100 M	<10 M	<100 M	<100 M	<100 M
2,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<24 M	<240 M	<240 M	<240 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<280 M	<28 M	<280 M	<280 M	<280 M
Chloroform	<8 µg/kg	TM116		<160 M	<160 M	<16 M	<160 M	<160 M	<160 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 M	<140 M	<14 M	<140 M	<140 M	<140 M
1,1-Dichloropropene	<11 µg/kg	TM116		<220 M	<220 M	<22 M	<220 M	<220 M	<220 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<280 M	<28 M	<280 M	<280 M	<280 M
1,2-Dichloroethane	<5 µg/kg	TM116		<100 M	<100 M	<10 M	<100 M	<100 M	<100 M
Benzene	<9 µg/kg	TM116		<180 M	<180 M	<18 M	<180 M	<180 M	<180 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<180 M	<18 M	<180 M	<180 M	<180 M
1,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<24 M	<240 M	<240 M	<240 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<180 M	<18 M	<180 M	<180 M	<180 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<140 M	<14 M	<140 M	<140 M	<140 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 M	<280 M	<28 M	<280 M	<280 M	<280 M
Toluene	<5 µg/kg	TM116		176 M	144 M	14.6 M	<100 M	<100 M	<100 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<2000	<200	<2000	<2000	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 M	<200 M	<20 M	<200 M	<200 M	<200 M

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP48	P1TP48	P1TP48	P1TP48	P1TP49	P1TP49
			Depth (m)	1.20	2.00	3.10	3.80	0.20	1.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710169	8710170	8710171	8710172	8710173	8710174
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<14 #	<140 #	<140 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<100 M	<10 M	<100 M	<100 M	<100 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<260 M	<26 M	<260 M	<260 M	<260 M
1,2-Dibromoethane	<12 µg/kg	TM116		<240 M	<240 M	<24 M	<240 M	<240 M	<240 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<10 M	<100 M	<100 M	<100 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<200 M	<20 M	<200 M	<200 M	<200 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<80 M	<8 M	<80 M	<80 M	<80 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<28 #	<280 #	<280 #	<280 #
o-Xylene	<10 µg/kg	TM116		<200 M	<200 M	<20 M	<200 M	<200 M	<200 M
Styrene	<10 µg/kg	TM116		<200 M	<200 M	<20 M	<200 M	<200 M	<200 M
Bromoform	<10 µg/kg	TM116		<200 M	<200 M	<20 M	<200 M	<200 M	<200 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<100 M	<10 M	<100 M	<100 M	<100 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<20 #	<200 #	<200 #	<200 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 M	<340 M	<34 M	<340 M	<340 M	<340 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<200 M	<20 M	<200 M	<200 M	<200 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<220 M	<22 M	<220 M	<220 M	<220 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<180 M	<18 M	<180 M	<180 M	<180 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<16 #	<160 #	<160 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<240 M	<24 M	<240 M	<240 M	<240 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<24 #	<240 #	<240 #	<240 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<180 #	<18 #	<180 #	<180 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<20 M	<200 M	<200 M	<200 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<220 M	<22 M	<220 M	<220 M	<220 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<12 M	<120 M	<120 M	<120 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<10 M	<100 M	<100 M	<100 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<20 M	<200 M	<200 M	<200 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<240 M	<24 M	<240 M	<240 M	<240 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<280 M	<28 M	<280 M	<280 M	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<30	<300	<300	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<12 #	<120 #	<120 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<24	<240	<240	<240
Naphthalene	<13 µg/kg	TM116		<260 M	<260 M	<26 M	<260 M	<260 M	<260 M

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

VOC MS (S)

Results Legend		Customer Sample Ref.	P1TP48	P1TP48	P1TP48	P1TP48	P1TP49	P1TP49
#	ISO17025 accredited.							
M	*m*CERTS accredited.							
aq	Aqueous / settled sample.	Depth (m)	1.20	2.00	3.10	3.80	0.20	1.00
diss.filt	Dissolved / filtered sample.	Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
tot.unfilt	Total / unfiltered sample.	Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
*	Subcontracted test.	Sample Time	.	.	.	.	.	.
**	% 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	Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
		SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
(F)	Trigger breach confirmed	Lab Sample No.(s)	8710169	8710170	8710171	8710172	8710173	8710174
1-5&♦§@	Sample deviation (see appendix)	AGS Reference						

Component	LOD/Units	Method						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	<120 M	<120 M	<12 M	<120 M	<120 M	<120 M

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP49	P1TP49	P1TP49	P1TP50	P1TP50	P1TP50
			Depth (m)	2.20	3.00	3.20	0.20	1.00	2.80
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710176	8710177	8710178	8710179	8710180	8710183
			AGS Reference						
Dibromofluoromethane**	%	TM116		101	109	104	106	101	104
Toluene-d8**	%	TM116		96.4	99.6	99.9	98.9	97.6	95.5
4-Bromofluorobenzene**	%	TM116		128	108	101	111	109	130
Dichlorodifluoromethane	<4 µg/kg	TM116		<8 M	<80 M	<80 M	<80 M	<80 M	<8 M
Chloromethane	<7 µg/kg	TM116		<14	<140	<140	<140	<140	<14
Vinyl Chloride	<10 µg/kg	TM116		<20	<200	<200	<200	<200	<20
Bromomethane	<13 µg/kg	TM116		<26 M	<260 M	<260 M	<260 M	<260 M	<26 M
Chloroethane	<14 µg/kg	TM116		<28 M	<280 M	<280 M	<280 M	<280 M	<28 M
Trichlorofluorormethane	<6 µg/kg	TM116		<12 M	<120 M	<120 M	<120 M	<120 M	<12 M
1,1-Dichloroethene	<10 µg/kg	TM116		<20 #	<200 #	<200 #	<200 #	<200 #	<20 #
Carbon Disulphide	<7 µg/kg	TM116		<14 M	<140 M	<140 M	<140 M	<140 M	<14 M
Dichloromethane	<10 µg/kg	TM116		<20 #	<200 #	<200 #	<200 #	<200 #	<20 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<22 M	<220 M	<220 M	<220 M	<220 M	<22 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<22 M	<220 M	<220 M	<220 M	<220 M	<22 M
1,1-Dichloroethane	<8 µg/kg	TM116		<16 M	<160 M	<160 M	<160 M	<160 M	<16 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<10 M	<100 M	<100 M	<100 M	<100 M	<10 M
2,2-Dichloropropane	<12 µg/kg	TM116		<24 M	<240 M	<240 M	<240 M	<240 M	<24 M
Bromochloromethane	<14 µg/kg	TM116		<28 M	<280 M	<280 M	<280 M	<280 M	<28 M
Chloroform	<8 µg/kg	TM116		<16 M	<160 M	<160 M	<160 M	<160 M	<16 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<14 M	<140 M	<140 M	<140 M	<140 M	<14 M
1,1-Dichloropropene	<11 µg/kg	TM116		<22 M	<220 M	<220 M	<220 M	<220 M	<22 M
Carbontetrachloride	<14 µg/kg	TM116		<28 M	<280 M	<280 M	<280 M	<280 M	<28 M
1,2-Dichloroethane	<5 µg/kg	TM116		<10 M	<100 M	<100 M	<100 M	<100 M	<10 M
Benzene	<9 µg/kg	TM116		<18 M	<180 M	<180 M	<180 M	<180 M	<18 M
Trichloroethene	<9 µg/kg	TM116		<18 M	<180 M	<180 M	<180 M	<180 M	<18 M
1,2-Dichloropropane	<12 µg/kg	TM116		<24 M	<240 M	<240 M	<240 M	<240 M	<24 M
Dibromomethane	<9 µg/kg	TM116		<18 M	<180 M	<180 M	<180 M	<180 M	<18 M
Bromodichloromethane	<7 µg/kg	TM116		<14 M	<140 M	<140 M	<140 M	<140 M	<14 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<28 M	<280 M	<280 M	<280 M	<280 M	<28 M
Toluene	<5 µg/kg	TM116		88 M	<100 M	<100 M	<100 M	<100 M	<10 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<200	<2000	<2000	<2000	<2000	<200
1,1,2-Trichloroethane	<10 µg/kg	TM116		<20 M	<200 M	<200 M	<200 M	<200 M	<20 M

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP49	P1TP49	P1TP49	P1TP50	P1TP50	P1TP50
			Depth (m)	2.20	3.00	3.20	0.20	1.00	2.80
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710176	8710177	8710178	8710179	8710180	8710183
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<14 #	<140 #	<140 #	<140 #	<140 #	<14 #
Tetrachloroethene	<5 µg/kg	TM116		<10 M	<100 M	<100 M	<100 M	<100 M	<10 M
Dibromochloromethane	<13 µg/kg	TM116		<26 M	<260 M	<260 M	<260 M	<260 M	<26 M
1,2-Dibromoethane	<12 µg/kg	TM116		<24 M	<240 M	<240 M	<240 M	<240 M	<24 M
Chlorobenzene	<5 µg/kg	TM116		<10 M	<100 M	<100 M	<100 M	<100 M	<10 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<20 M	<200 M	<200 M	<200 M	<200 M	<20 M
Ethylbenzene	<4 µg/kg	TM116		<8 M	<80 M	<80 M	<80 M	<80 M	<8 M
p/m-Xylene	<14 µg/kg	TM116		<28 #	<280 #	<280 #	<280 #	<280 #	<28 #
o-Xylene	<10 µg/kg	TM116		<20 M	<200 M	<200 M	<200 M	<200 M	<20 M
Styrene	<10 µg/kg	TM116		<20 M	<200 M	<200 M	<200 M	<200 M	<20 M
Bromoform	<10 µg/kg	TM116		<20 M	<200 M	<200 M	<200 M	<200 M	<20 M
Isopropylbenzene	<5 µg/kg	TM116		<10 M	<100 M	<100 M	<100 M	<100 M	<10 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<20 #	<200 #	<200 #	<200 #	<200 #	<20 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<34 M	<340 M	<340 M	<340 M	<340 M	<34 M
Bromobenzene	<10 µg/kg	TM116		<20 M	<200 M	<200 M	<200 M	<200 M	<20 M
Propylbenzene	<11 µg/kg	TM116		<22 M	<220 M	<220 M	<220 M	<220 M	<22 M
2-Chlorotoluene	<9 µg/kg	TM116		<18 M	<180 M	<180 M	<180 M	<180 M	<18 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<16 #	<160 #	<160 #	<160 #	<160 #	<16 #
4-Chlorotoluene	<12 µg/kg	TM116		<24 M	<240 M	<240 M	<240 M	<240 M	<24 M
tert-Butylbenzene	<12 µg/kg	TM116		<24 #	<240 #	<240 #	<240 #	<240 #	<24 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<18 #	<180 #	<180 #	<180 #	<180 #	<18 #
sec-Butylbenzene	<10 µg/kg	TM116		<20 M	<200 M	<200 M	<200 M	<200 M	<20 M
4-Isopropyltoluene	<11 µg/kg	TM116		<22 M	<220 M	<220 M	<220 M	<220 M	<22 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<12 M	<120 M	<120 M	<120 M	<120 M	<12 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<10 M	<100 M	<100 M	<100 M	<100 M	<10 M
n-Butylbenzene	<10 µg/kg	TM116		<20 M	<200 M	<200 M	<200 M	<200 M	<20 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<24 M	<240 M	<240 M	<240 M	<240 M	<24 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<28 M	<280 M	<280 M	<280 M	<280 M	<28 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<30	<300	<300	<300	<300	<30
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<12 #	<120 #	<120 #	<120 #	<120 #	<12 #
Hexachlorobutadiene	<12 µg/kg	TM116		<24	<240	<240	<240	<240	<24
Naphthalene	<13 µg/kg	TM116		<26 M	<260 M	<260 M	<260 M	<260 M	<26 M

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sample Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	P1TP49	2.20	Soil/Solid	16/01/2014	.	18/01/2014	140118-71	8710176	
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	P1TP49	3.00	Soil/Solid	16/01/2014	.	18/01/2014	140118-71	8710177	
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	P1TP49	3.20	Soil/Solid	16/01/2014	.	18/01/2014	140118-71	8710178	
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	P1TP50	0.20	Soil/Solid	16/01/2014	.	18/01/2014	140118-71	8710179	
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	P1TP50	1.00	Soil/Solid	16/01/2014	.	18/01/2014	140118-71	8710180	
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	P1TP50	2.80	Soil/Solid	16/01/2014	.	18/01/2014	140118-71	8710183	

Component	P1TP49	P1TP49	P1TP49	P1TP50	P1TP50	P1TP50
1,2,3-Trichlorobenzene	<12 M	<120 M	<120 M	<120 M	<120 M	<12 M

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP51	P1TP51	P1TP51	P1TP51	P1TP52	P1TP52
			Depth (m)	0.30	1.30	2.10	2.80	0.30	1.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710186	8710190	8710192	8710193	8710195	8710196
			AGS Reference						
Dibromofluoromethane**	%	TM116		102	111	108	105	99.8	105
Toluene-d8**	%	TM116		98.6	99.8	100	97.9	96.8	99.9
4-Bromofluorobenzene**	%	TM116		109	108	104	121	126	110
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<8 M	<8 M	<80 M
Chloromethane	<7 µg/kg	TM116		<140	<140	<140	<14	<14	<140
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<200	<20	<20	<200
Bromomethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<26 M	<26 M	<260 M
Chloroethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<28 M	<28 M	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<12 M	<12 M	<120 M
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<20 #	<20 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<14 M	<14 M	<140 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<20 #	<20 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<22 M	<22 M	<220 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<22 M	<22 M	<220 M
1,1-Dichloroethane	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<16 M	<16 M	<160 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<10 M	<10 M	<100 M
2,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<24 M	<24 M	<240 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<28 M	<28 M	<280 M
Chloroform	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<16 M	<16 M	<160 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<14 M	<14 M	<140 M
1,1-Dichloropropene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<22 M	<22 M	<220 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<28 M	<28 M	<280 M
1,2-Dichloroethane	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<10 M	<10 M	<100 M
Benzene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<18 M	<18 M	<180 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<18 M	<18 M	<180 M
1,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<24 M	<24 M	<240 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<18 M	<18 M	<180 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<14 M	<14 M	<140 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<28 M	<28 M	<280 M
Toluene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<10 M	24.5 M	<100 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<2000	<2000	<200	<200	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<20 M	<20 M	<200 M

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP51	P1TP51	P1TP51	P1TP51	P1TP52	P1TP52
			Depth (m)	0.30	1.30	2.10	2.80	0.30	1.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710186	8710190	8710192	8710193	8710195	8710196
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<140 #	<14 #	<14 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<10 M	<10 M	<100 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<26 M	<26 M	<260 M
1,2-Dibromoethane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<24 M	<24 M	<240 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<10 M	<10 M	<100 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<20 M	<20 M	<200 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<8 M	<8 M	<80 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<28 #	<28 #	<280 #
o-Xylene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<20 M	<20 M	<200 M
Styrene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<20 M	<20 M	<200 M
Bromoform	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<20 M	<20 M	<200 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<10 M	<10 M	<100 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<20 #	<20 #	<200 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 M	<340 M	<340 M	<34 M	<34 M	<340 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<20 M	<20 M	<200 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<22 M	<22 M	<220 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<18 M	<18 M	<180 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<160 #	<16 #	<16 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<24 M	<24 M	<240 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<24 #	<24 #	<240 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<180 #	<180 #	<18 #	<18 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<20 M	<20 M	<200 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<22 M	<22 M	<220 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<12 M	<12 M	<120 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<10 M	<10 M	<100 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<20 M	<20 M	<200 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<24 M	<24 M	<240 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<28 M	<28 M	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<300	<30	<30	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<120 #	<12 #	<12 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<240	<24	<24	<240
Naphthalene	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<26 M	<26 M	<260 M

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sample Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
			P1TP51	0.30	Soil/Solid	16/01/2014	.	18/01/2014	140118-71	8710186	
			P1TP51	1.30	Soil/Solid	16/01/2014	.	18/01/2014	140118-71	8710190	
			P1TP51	2.10	Soil/Solid	16/01/2014	.	18/01/2014	140118-71	8710192	
			P1TP51	2.80	Soil/Solid	16/01/2014	.	18/01/2014	140118-71	8710193	
			P1TP52	0.30	Soil/Solid	16/01/2014	.	18/01/2014	140118-71	8710195	
			P1TP52	1.00	Soil/Solid	16/01/2014	.	18/01/2014	140118-71	8710196	
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	<120 M	<120 M				<120 M	<12 M	<12 M	<120 M

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP52	P1TP52	P1TP53	P1TP53	P1TP53	P1TP53
			Depth (m)	2.00	2.90	0.20	0.90	2.20	3.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710197	8710198	8710199	8710200	8710201	8710202
			AGS Reference						
Dibromofluoromethane**	%	TM116		110	102	105	105	106	103
Toluene-d8**	%	TM116		95.6	97.5	97.4	97.2	98.8	96.7
4-Bromofluorobenzene**	%	TM116		130	126	119	128	108	127
Dichlorodifluoromethane	<4 µg/kg	TM116		<4 M	<8 M	<8 M	<8 M	<80 M	<8 M
Chloromethane	<7 µg/kg	TM116		<7	<14	<14	<14	<140	<14
Vinyl Chloride	<10 µg/kg	TM116		<10	<20	<20	<20	<200	<20
Bromomethane	<13 µg/kg	TM116		<13 M	<26 M	<26 M	<26 M	<260 M	<26 M
Chloroethane	<14 µg/kg	TM116		<14 M	<28 M	<28 M	<28 M	<280 M	<28 M
Trichlorofluorormethane	<6 µg/kg	TM116		<6 M	<12 M	<12 M	<12 M	<120 M	<12 M
1,1-Dichloroethene	<10 µg/kg	TM116		<10 #	<20 #	<20 #	<20 #	<200 #	<20 #
Carbon Disulphide	<7 µg/kg	TM116		<7 M	<14 M	<14 M	<14 M	<140 M	<14 M
Dichloromethane	<10 µg/kg	TM116		<10 #	<20 #	<20 #	<20 #	<200 #	<20 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<11 M	<22 M	<22 M	<22 M	<220 M	<22 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<11 M	<22 M	<22 M	<22 M	<220 M	<22 M
1,1-Dichloroethane	<8 µg/kg	TM116		<8 M	<16 M	<16 M	<16 M	<160 M	<16 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<5 M	<10 M	<10 M	<10 M	<100 M	<10 M
2,2-Dichloropropane	<12 µg/kg	TM116		<12 M	<24 M	<24 M	<24 M	<240 M	<24 M
Bromochloromethane	<14 µg/kg	TM116		<14 M	<28 M	<28 M	<28 M	<280 M	<28 M
Chloroform	<8 µg/kg	TM116		<8 M	<16 M	<16 M	<16 M	<160 M	<16 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<7 M	<14 M	<14 M	<14 M	<140 M	<14 M
1,1-Dichloropropene	<11 µg/kg	TM116		<11 M	<22 M	<22 M	<22 M	<220 M	<22 M
Carbontetrachloride	<14 µg/kg	TM116		<14 M	<28 M	<28 M	<28 M	<280 M	<28 M
1,2-Dichloroethane	<5 µg/kg	TM116		<5 M	<10 M	<10 M	<10 M	<100 M	<10 M
Benzene	<9 µg/kg	TM116		26.1 M	<18 M	<18 M	<18 M	<180 M	<18 M
Trichloroethene	<9 µg/kg	TM116		<9 M	<18 M	<18 M	<18 M	<180 M	<18 M
1,2-Dichloropropane	<12 µg/kg	TM116		<12 M	<24 M	<24 M	<24 M	<240 M	<24 M
Dibromomethane	<9 µg/kg	TM116		<9 M	<18 M	<18 M	<18 M	<180 M	<18 M
Bromodichloromethane	<7 µg/kg	TM116		<7 M	<14 M	<14 M	<14 M	<140 M	<14 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<14 M	<28 M	<28 M	<28 M	<280 M	<28 M
Toluene	<5 µg/kg	TM116		17.2 M	38.4 M	<10 M	<10 M	<100 M	16.6 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<100	<200	<200	<200	<2000	<200
1,1,2-Trichloroethane	<10 µg/kg	TM116		<10 M	<20 M	<20 M	<20 M	<200 M	<20 M

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP52	P1TP52	P1TP53	P1TP53	P1TP53	P1TP53
			Depth (m)	2.00	2.90	0.20	0.90	2.20	3.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710197	8710198	8710199	8710200	8710201	8710202
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<7 #	<14 #	<14 #	<14 #	<140 #	<14 #
Tetrachloroethene	<5 µg/kg	TM116		<5 M	<10 M	<10 M	<10 M	<100 M	<10 M
Dibromochloromethane	<13 µg/kg	TM116		<13 M	<26 M	<26 M	<26 M	<260 M	<26 M
1,2-Dibromoethane	<12 µg/kg	TM116		<12 M	<24 M	<24 M	<24 M	<240 M	<24 M
Chlorobenzene	<5 µg/kg	TM116		<5 M	<10 M	<10 M	<10 M	<100 M	<10 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<10 M	<20 M	<20 M	<20 M	<200 M	<20 M
Ethylbenzene	<4 µg/kg	TM116		<4 M	<8 M	<8 M	<8 M	<80 M	<8 M
p/m-Xylene	<14 µg/kg	TM116		<14 #	<28 #	<28 #	<28 #	<280 #	<28 #
o-Xylene	<10 µg/kg	TM116		<10 M	<20 M	<20 M	<20 M	<200 M	<20 M
Styrene	<10 µg/kg	TM116		<10 M	<20 M	<20 M	<20 M	<200 M	<20 M
Bromoform	<10 µg/kg	TM116		<10 M	<20 M	<20 M	<20 M	<200 M	<20 M
Isopropylbenzene	<5 µg/kg	TM116		<5 M	<10 M	<10 M	<10 M	<100 M	<10 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<10 #	<20 #	<20 #	<20 #	<200 #	<20 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<17 M	<34 M	<34 M	<34 M	<340 M	<34 M
Bromobenzene	<10 µg/kg	TM116		<10 M	<20 M	<20 M	<20 M	<200 M	<20 M
Propylbenzene	<11 µg/kg	TM116		<11 M	<22 M	<22 M	<22 M	<220 M	<22 M
2-Chlorotoluene	<9 µg/kg	TM116		<9 M	<18 M	<18 M	<18 M	<180 M	<18 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<8 #	<16 #	<16 #	<16 #	<160 #	<16 #
4-Chlorotoluene	<12 µg/kg	TM116		<12 M	<24 M	<24 M	<24 M	<240 M	<24 M
tert-Butylbenzene	<12 µg/kg	TM116		<12 #	<24 #	<24 #	<24 #	<240 #	<24 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<9 #	<18 #	<18 #	<18 #	<180 #	<18 #
sec-Butylbenzene	<10 µg/kg	TM116		<10 M	<20 M	<20 M	<20 M	<200 M	<20 M
4-Isopropyltoluene	<11 µg/kg	TM116		<11 M	<22 M	<22 M	<22 M	<220 M	<22 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<6 M	<12 M	<12 M	<12 M	<120 M	<12 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<5 M	<10 M	<10 M	<10 M	<100 M	<10 M
n-Butylbenzene	<10 µg/kg	TM116		<10 M	<20 M	<20 M	<20 M	<200 M	<20 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<12 M	<24 M	<24 M	<24 M	<240 M	<24 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<14 M	<28 M	<28 M	<28 M	<280 M	<28 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<15	<30	<30	<30	<300	<30
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<6 #	<12 #	<12 #	<12 #	<120 #	<12 #
Hexachlorobutadiene	<12 µg/kg	TM116		<12	<24	<24	<24	<240	<24
Naphthalene	<13 µg/kg	TM116		<13 M	<26 M	<26 M	<26 M	<260 M	<26 M

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sample Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	P1TP52	2.00	Soil/Solid	16/01/2014	.	18/01/2014	140118-71	8710197	
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	<6 M								
			P1TP52	2.90	Soil/Solid	16/01/2014	.	18/01/2014	140118-71	8710198	
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	<12 M								
			P1TP53	0.20	Soil/Solid	16/01/2014	.	18/01/2014	140118-71	8710199	
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	<12 M								
			P1TP53	0.90	Soil/Solid	16/01/2014	.	18/01/2014	140118-71	8710200	
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	<12 M								
			P1TP53	2.20	Soil/Solid	16/01/2014	.	18/01/2014	140118-71	8710201	
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	<120 M								
			P1TP53	3.00	Soil/Solid	16/01/2014	.	18/01/2014	140118-71	8710202	
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	<12 M								

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP53	P1TP54	P1TP54	P1TP54	P1TP54	P1TP54
			Depth (m)	3.90	0.40	1.00	1.90	3.10	4.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710203	8710204	8710205	8710206	8710207	8710208
			AGS Reference						
Dibromofluoromethane**	%	TM116		107	108	107	106	105	106
Toluene-d8**	%	TM116		98.8	99.1	99	100	99	98.2
4-Bromofluorobenzene**	%	TM116		105	108	108	97.9	107	108
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
Chloromethane	<7 µg/kg	TM116		<140	<140	<140	<140	<140	<140
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<200	<200	<200	<200
Bromomethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M
Chloroethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
1,1-Dichloroethane	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M	<160 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
2,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Chloroform	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M	<160 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
1,1-Dichloropropene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
1,2-Dichloroethane	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Benzene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
1,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Toluene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<2000	<2000	<2000	<2000	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP53	P1TP54	P1TP54	P1TP54	P1TP54	P1TP54
			Depth (m)	3.90	0.40	1.00	1.90	3.10	4.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710203	8710204	8710205	8710206	8710207	8710208
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<140 #	<140 #	<140 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M
1,2-Dibromoethane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<280 #	<280 #	<280 #
o-Xylene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Styrene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Bromoform	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 M	<340 M	<340 M	<340 M	<340 M	<340 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<160 #	<160 #	<160 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<240 #	<240 #	<240 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<180 #	<180 #	<180 #	<180 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<300	<300	<300	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<120 #	<120 #	<120 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<240	<240	<240	<240
Naphthalene	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sample Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	P1TP53	3.90	Soil/Solid	16/01/2014	.	18/01/2014	140118-71	8710203	
			P1TP54	0.40	Soil/Solid	16/01/2014	.	18/01/2014	140118-71	8710204	
			P1TP54	1.00	Soil/Solid	16/01/2014	.	18/01/2014	140118-71	8710205	
			P1TP54	1.90	Soil/Solid	16/01/2014	.	18/01/2014	140118-71	8710206	
			P1TP54	3.10	Soil/Solid	16/01/2014	.	18/01/2014	140118-71	8710207	
			P1TP54	4.00	Soil/Solid	16/01/2014	.	18/01/2014	140118-71	8710208	

1,2,3-Trichlorobenzene			<120 M								
				<120 M							
						<120 M					
								<120 M			
										<120 M	
											<120 M

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP54	P1TP54	P1TP55	P1TP55	P1TP55	P1TP55
			Depth (m)	5.00	5.30	0.20	1.00	2.20	3.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710209	8710210	8710211	8710212	8710213	8710214
			AGS Reference						
Dibromofluoromethane**	%	TM116		107	109	105	106	104	117
Toluene-d8**	%	TM116		99.3	99.3	97.7	99	97.1	99
4-Bromofluorobenzene**	%	TM116		108	109	110	106	123	100
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<8 M	<80 M
Chloromethane	<7 µg/kg	TM116		<140	<140	<140	<140	<14	<140
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<200	<200	<20	<200
Bromomethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<26 M	<260 M
Chloroethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<28 M	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<12 M	<120 M
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<20 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<14 M	<140 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<20 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<22 M	<220 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<22 M	<220 M
1,1-Dichloroethane	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<16 M	<160 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<10 M	<100 M
2,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<24 M	<240 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<28 M	<280 M
Chloroform	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<16 M	<160 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<14 M	<140 M
1,1-Dichloropropene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<22 M	<220 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<28 M	<280 M
1,2-Dichloroethane	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<10 M	<100 M
Benzene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<18 M	<180 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<18 M	<180 M
1,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<24 M	<240 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<18 M	<180 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<14 M	<140 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<28 M	<280 M
Toluene	<5 µg/kg	TM116		<100 M	174 M	<100 M	<100 M	20 M	<100 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<2000	<2000	<2000	<200	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<20 M	<200 M

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP54	P1TP54	P1TP55	P1TP55	P1TP55	P1TP55
			Depth (m)	5.00	5.30	0.20	1.00	2.20	3.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710209	8710210	8710211	8710212	8710213	8710214
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<140 #	<140 #	<14 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<10 M	<100 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<26 M	<260 M
1,2-Dibromoethane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<24 M	<240 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<10 M	<100 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<20 M	<200 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<8 M	<80 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<280 #	<28 #	<280 #
o-Xylene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<20 M	<200 M
Styrene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<20 M	<200 M
Bromoform	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<20 M	<200 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<10 M	<100 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<20 #	<200 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 M	<340 M	<340 M	<340 M	<34 M	<340 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<20 M	<200 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<22 M	<220 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<18 M	<180 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<160 #	<160 #	<16 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<24 M	<240 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<240 #	<24 #	<240 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<180 #	<180 #	<180 #	<18 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<20 M	<200 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<22 M	<220 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<12 M	<120 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<10 M	<100 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<20 M	<200 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<24 M	<240 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<28 M	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<300	<300	<30	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<120 #	<120 #	<12 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<240	<240	<24	<240
Naphthalene	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<26 M	<260 M

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

VOC MS (S)

Results Legend		Customer Sample Ref.	P1TP54	P1TP54	P1TP55	P1TP55	P1TP55	P1TP55
#	ISO17025 accredited.							
M	*m*CERTS accredited.							
aq	Aqueous / settled sample.	Depth (m)	5.00	5.30	0.20	1.00	2.20	3.00
diss.filt	Dissolved / filtered sample.	Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
tot.unfilt	Total / unfiltered sample.	Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
*	Subcontracted test.	Sample Time	.	.	.	.	.	.
**	% 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	Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
		SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
(F)	Trigger breach confirmed	Lab Sample No.(s)	8710209	8710210	8710211	8710212	8710213	8710214
1-5&♦§@	Sample deviation (see appendix)	AGS Reference						

Component	LOD/Units	Method						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	<120 M	<120 M	<120 M	<120 M	<12 M	<120 M

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP55	P1TP55	P1TP56	P1TP56	P1TP56	P1TP56
			Depth (m)	3.90	5.00	0.30	1.30	2.10	3.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710215	8710216	8710218	8710219	8710221	8710222
			AGS Reference						
Dibromofluoromethane**	%	TM116		105	102	103	108	98	106
Toluene-d8**	%	TM116		99	95.8	96.9	97.1	97.9	99.2
4-Bromofluorobenzene**	%	TM116		113	129	126	130	120	107
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<8 M	<8 M	<4 M	<8 M	<80 M
Chloromethane	<7 µg/kg	TM116		<140	<14	<14	<7	<14	<140
Vinyl Chloride	<10 µg/kg	TM116		<200	<20	<20	<10	<20	<200
Bromomethane	<13 µg/kg	TM116		<260 M	<26 M	<26 M	<13 M	<26 M	<260 M
Chloroethane	<14 µg/kg	TM116		<280 M	<28 M	<28 M	<14 M	<28 M	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<12 M	<12 M	<6 M	<12 M	<120 M
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<20 #	<20 #	<10 #	<20 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<14 M	<14 M	<7 M	<14 M	<140 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<20 #	<20 #	<10 #	<20 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<22 M	<22 M	<11 M	<22 M	<220 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 M	<22 M	<22 M	<11 M	<22 M	<220 M
1,1-Dichloroethane	<8 µg/kg	TM116		<160 M	<16 M	<16 M	<8 M	<16 M	<160 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 M	<10 M	<10 M	<5 M	<10 M	<100 M
2,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<24 M	<24 M	<12 M	<24 M	<240 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<28 M	<28 M	<14 M	<28 M	<280 M
Chloroform	<8 µg/kg	TM116		<160 M	<16 M	<16 M	<8 M	<16 M	<160 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 M	<14 M	<14 M	<7 M	<14 M	<140 M
1,1-Dichloropropene	<11 µg/kg	TM116		<220 M	<22 M	<22 M	<11 M	<22 M	<220 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<28 M	<28 M	<14 M	<28 M	<280 M
1,2-Dichloroethane	<5 µg/kg	TM116		<100 M	<10 M	<10 M	<5 M	<10 M	<100 M
Benzene	<9 µg/kg	TM116		<180 M	<18 M	<18 M	<9 M	<18 M	<180 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<18 M	<18 M	<9 M	<18 M	<180 M
1,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<24 M	<24 M	<12 M	<24 M	<240 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<18 M	<18 M	<9 M	<18 M	<180 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<14 M	<14 M	<7 M	<14 M	<140 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 M	<28 M	<28 M	<14 M	<28 M	<280 M
Toluene	<5 µg/kg	TM116		<100 M	<10 M	15.3 M	7.62 M	<10 M	134 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<200	<200	<100	<200	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 M	<20 M	<20 M	<10 M	<20 M	<200 M

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP55	P1TP55	P1TP56	P1TP56	P1TP56	P1TP56
			Depth (m)	3.90	5.00	0.30	1.30	2.10	3.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710215	8710216	8710218	8710219	8710221	8710222
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<14 #	<14 #	<7 #	<14 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<10 M	<10 M	<5 M	<10 M	<100 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<26 M	<26 M	<13 M	<26 M	<260 M
1,2-Dibromoethane	<12 µg/kg	TM116		<240 M	<24 M	<24 M	<12 M	<24 M	<240 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<10 M	<10 M	<5 M	<10 M	<100 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<20 M	<20 M	<10 M	<20 M	<200 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<8 M	<8 M	<4 M	<8 M	<80 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<28 #	<28 #	<14 #	<28 #	<280 #
o-Xylene	<10 µg/kg	TM116		<200 M	<20 M	<20 M	<10 M	<20 M	<200 M
Styrene	<10 µg/kg	TM116		<200 M	<20 M	<20 M	<10 M	<20 M	<200 M
Bromoform	<10 µg/kg	TM116		<200 M	<20 M	<20 M	<10 M	<20 M	<200 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<10 M	<10 M	<5 M	<10 M	<100 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<20 #	<20 #	<10 #	<20 #	<200 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 M	<34 M	<34 M	<17 M	<34 M	<340 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<20 M	<20 M	<10 M	<20 M	<200 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<22 M	<22 M	<11 M	<22 M	<220 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<18 M	<18 M	<9 M	<18 M	<180 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<16 #	<16 #	<8 #	<16 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<24 M	<24 M	<12 M	<24 M	<240 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<24 #	<24 #	<12 #	<24 #	<240 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<18 #	<18 #	<9 #	<18 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<20 M	<20 M	<10 M	<20 M	<200 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<22 M	<22 M	<11 M	<22 M	<220 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<12 M	<12 M	<6 M	<12 M	<120 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<10 M	<10 M	<5 M	<10 M	<100 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<20 M	<20 M	<10 M	<20 M	<200 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<24 M	<24 M	<12 M	<24 M	<240 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<28 M	<28 M	<14 M	<28 M	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<30	<30	<15	<30	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<12 #	<12 #	<6 #	<12 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<24	<24	<12	<24	<240
Naphthalene	<13 µg/kg	TM116		<260 M	<26 M	<26 M	<13 M	<26 M	<260 M

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

VOC MS (S)

Results Legend		Customer Sample Ref.	P1TP55	P1TP55	P1TP56	P1TP56	P1TP56	P1TP56
#	ISO17025 accredited.							
M	*m*CERTS accredited.							
aq	Aqueous / settled sample.	Depth (m)	3.90	5.00	0.30	1.30	2.10	3.00
diss.filt	Dissolved / filtered sample.	Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
tot.unfilt	Total / unfiltered sample.	Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
*	Subcontracted test.	Sample Time	.	.	.	.	.	.
**	% 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	Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
		SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
(F)	Trigger breach confirmed	Lab Sample No.(s)	8710215	8710216	8710218	8710219	8710221	8710222
1-5&•§@	Sample deviation (see appendix)	AGS Reference						

Component	LOD/Units	Method						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	<120 M	<12 M	<12 M	<6 M	<12 M	<120 M

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP56	P1TP57	P1TP57	P1TP57	P1TP57	P1TP57
			Depth (m)	3.60	0.20	1.00	2.40	3.00	3.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710224	8710226	8710227	8710230	8710231	8710232
			AGS Reference						
Dibromofluoromethane**	%	TM116		108	111	108	113	105	107
Toluene-d8**	%	TM116		98.7	99.7	99.7	100	99	99.6
4-Bromofluorobenzene**	%	TM116		111	108	99.7	113	111	104
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
Chloromethane	<7 µg/kg	TM116		<140	<140	<140	<140	<140	<140
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<200	<200	<200	<200
Bromomethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M
Chloroethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
1,1-Dichloroethane	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M	<160 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
2,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Chloroform	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M	<160 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
1,1-Dichloropropene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
1,2-Dichloroethane	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Benzene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
1,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Toluene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<2000	<2000	<2000	<2000	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP56	P1TP57	P1TP57	P1TP57	P1TP57	P1TP57
			Depth (m)	3.60	0.20	1.00	2.40	3.00	3.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014	16/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-71	140118-71	140118-71	140118-71	140118-71	140118-71
			Lab Sample No.(s)	8710224	8710226	8710227	8710230	8710231	8710232
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<140 #	<140 #	<140 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M
1,2-Dibromoethane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<280 #	<280 #	<280 #
o-Xylene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Styrene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Bromoform	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 M	<340 M	<340 M	<340 M	<340 M	<340 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<160 #	<160 #	<160 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<240 #	<240 #	<240 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<180 #	<180 #	<180 #	<180 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<300	<300	<300	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<120 #	<120 #	<120 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<240	<240	<240	<240
Naphthalene	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sample Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
			P1TP56	3.60	Soil/Solid	16/01/2014	.	18/01/2014	140118-71	8710224	
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	<120 M								
			P1TP57	0.20	Soil/Solid	16/01/2014	.	18/01/2014	140118-71	8710226	
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	<120 M								
			P1TP57	1.00	Soil/Solid	16/01/2014	.	18/01/2014	140118-71	8710227	
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	<120 M								
			P1TP57	2.40	Soil/Solid	16/01/2014	.	18/01/2014	140118-71	8710230	
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	<120 M								
			P1TP57	3.00	Soil/Solid	16/01/2014	.	18/01/2014	140118-71	8710231	
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	<120 M								
			P1TP57	3.30	Soil/Solid	16/01/2014	.	18/01/2014	140118-71	8710232	
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	<120 M								

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMS 50
			Depth (m)	1.90
			Sample Type	Soil/Solid
			Date Sampled	16/01/2014
			Sample Time	.
			Date Received	18/01/2014
			SDG Ref	140118-71
			Lab Sample No.(s)	8710181
			AGS Reference	
Dibromofluoromethane**	%	TM116		107
Toluene-d8**	%	TM116		98.3
4-Bromofluorobenzene**	%	TM116		114
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M
Chloromethane	<7 µg/kg	TM116		<140
Vinyl Chloride	<10 µg/kg	TM116		<200
Bromomethane	<13 µg/kg	TM116		<260 M
Chloroethane	<14 µg/kg	TM116		<280 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M
Dichloromethane	<10 µg/kg	TM116		<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 M
1,1-Dichloroethane	<8 µg/kg	TM116		<160 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 M
2,2-Dichloropropane	<12 µg/kg	TM116		<240 M
Bromochloromethane	<14 µg/kg	TM116		<280 M
Chloroform	<8 µg/kg	TM116		<160 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 M
1,1-Dichloropropene	<11 µg/kg	TM116		<220 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M
1,2-Dichloroethane	<5 µg/kg	TM116		<100 M
Benzene	<9 µg/kg	TM116		<180 M
Trichloroethene	<9 µg/kg	TM116		<180 M
1,2-Dichloropropane	<12 µg/kg	TM116		<240 M
Dibromomethane	<9 µg/kg	TM116		<180 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 M
Toluene	<5 µg/kg	TM116		<100 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 M

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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)

Customer Sample Ref.			SMS 50
Depth (m)			1.90
Sample Type			Soil/Solid
Date Sampled			16/01/2014
Sample Time			.
Date Received			18/01/2014
SDG Ref			140118-71
Lab Sample No.(s)			8710181
AGS Reference			
Component	**LOD/Units**	**Method**	
1,3-Dichloropropane	<7 µg/kg	TM116	<140 #
Tetrachloroethene	<5 µg/kg	TM116	<100 M
Dibromochloromethane	<13 µg/kg	TM116	<260 M
1,2-Dibromoethane	<12 µg/kg	TM116	<240 M
Chlorobenzene	<5 µg/kg	TM116	<100 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116	<200 M
Ethylbenzene	<4 µg/kg	TM116	<80 M
p/m-Xylene	<14 µg/kg	TM116	<280 #
o-Xylene	<10 µg/kg	TM116	<200 M
Styrene	<10 µg/kg	TM116	<200 M
Bromoform	<10 µg/kg	TM116	<200 M
Isopropylbenzene	<5 µg/kg	TM116	<100 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116	<200 #
1,2,3-Trichloropropane	<17 µg/kg	TM116	<340 M
Bromobenzene	<10 µg/kg	TM116	<200 M
Propylbenzene	<11 µg/kg	TM116	<220 M
2-Chlorotoluene	<9 µg/kg	TM116	<180 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116	<160 #
4-Chlorotoluene	<12 µg/kg	TM116	<240 M
tert-Butylbenzene	<12 µg/kg	TM116	<240 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116	<180 #
sec-Butylbenzene	<10 µg/kg	TM116	<200 M
4-Isopropyltoluene	<11 µg/kg	TM116	<220 M
1,3-Dichlorobenzene	<6 µg/kg	TM116	<120 M
1,4-Dichlorobenzene	<5 µg/kg	TM116	<100 M
n-Butylbenzene	<10 µg/kg	TM116	<200 M
1,2-Dichlorobenzene	<12 µg/kg	TM116	<240 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116	<240
Naphthalene	<13 µg/kg	TM116	<260 M

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
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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	Customer Sample Ref.	
			Depth (m)	1.90
			Sample Type	Soil/Solid
			Date Sampled	16/01/2014
			Sample Time	.
			Date Received	18/01/2014
			SDG Ref	140118-71
			Lab Sample No.(s)	8710181
			AGS Reference	
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	<120 M	

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

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 Receieved SDG Original Sample Method Number	P1TP47 0.20 SOLID 16/01/2014 00:00:00 140118-71 8710162 TM048	29/1/14	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 Receieved SDG Original Sample Method Number	P1TP47 1.10 SOLID 16/01/2014 00:00:00 140118-71 8710164 TM048	28/1/14	Chris Swindells	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 Receieved SDG Original Sample Method Number	P1TP47 2.40 SOLID 16/01/2014 00:00:00 140118-71 8710165 TM048	28/1/14	Kevin Bowron	Loose fibres in soil	Not Detected (#)	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP47 3.00 SOLID 16/01/2014 00:00:00 140118-71 8710166 TM048	29/1/14	Martin Cotterell	Loose fibres in soil	Trace (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP47 3.50 SOLID 16/01/2014 00:00:00 140118-71 8710167 TM048	28/1/14	Paul Poynton	Loose fibres in soil	Trace (#)	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG: 140118-71 **Location:** Coed Darcy **Order Number:** CD0597
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294758
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 260597

		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 Receieved SDG Original Sample Method Number	P1TP48 0.40 SOLID 16/01/2014 00:00:00 140118-71 8710168 TM048	28/1/14	Kevin Bowron	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 Receieved SDG Original Sample Method Number	P1TP48 1.20 SOLID 16/01/2014 00:00:00 140118-71 8710169 TM048	28/1/14	Kevin Bowron	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 Receieved SDG Original Sample Method Number	P1TP48 2.00 SOLID 16/01/2014 00:00:00 140118-71 8710170 TM048	29/1/14	Martin Cotterell	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 Receieved SDG Original Sample Method Number	P1TP48 3.10 SOLID 16/01/2014 00:00:00 140118-71 8710171 TM048	28/1/14	Kevin Bowron	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 Receieved SDG Original Sample Method Number	P1TP48 3.80 SOLID 16/01/2014 00:00:00 140118-71 8710172 TM048	28/1/14	Paul Poynton	Loose fibres in soil	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP49 0.20 SOLID 16/01/2014 00:00:00 140118-71 8710173 TM048	29/1/14	Lauren Sargeant	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG: 140118-71 **Location:** Coed Darcy **Order Number:** CD0597
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294758
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 260597

		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 Receieved SDG Original Sample Method Number	P1TP49 1.00 SOLID 16/01/2014 00:00:00 140118-71 8710174 TM048	28/1/14	Paul Poynton	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 Receieved SDG Original Sample Method Number	P1TP49 2.20 SOLID 16/01/2014 00:00:00 140118-71 8710176 TM048	28/1/14	Paul Poynton	Loose fibres in soil	Detected (#)	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP49 3.00 SOLID 16/01/2014 00:00:00 140118-71 8710177 TM048	28/1/14	Kevin Bowron	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 Receieved SDG Original Sample Method Number	P1TP49 3.20 SOLID 16/01/2014 00:00:00 140118-71 8710178 TM048	29/1/14	Lauren Sargeant	Loose fibres in soil	Trace (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP50 0.20 SOLID 16/01/2014 00:00:00 140118-71 8710179 TM048	29/1/14	Martin Cotterell	Soil containing loose fibres and ACM debris	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP50 1.00 SOLID 16/01/2014 00:00:00 140118-71 8710180 TM048	28/1/14	Chris Swindells	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG: 140118-71 **Location:** Coed Darcy **Order Number:** CD0597
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294758
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 260597

		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 Receieved SDG Original Sample Method Number	P1TP50 2.80 SOLID 16/01/2014 00:00:00 140118-71 8710183 TM048	28/1/14	Chris Swindells	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 Receieved SDG Original Sample Method Number	P1TP51 0.30 SOLID 16/01/2014 00:00:00 140118-71 8710186 TM048	28/1/14	Chris Swindells	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 Receieved SDG Original Sample Method Number	P1TP51 1.30 SOLID 16/01/2014 00:00:00 140118-71 8710190 TM048	28/1/14	Paul Poynton	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 Receieved SDG Original Sample Method Number	P1TP51 2.10 SOLID 16/01/2014 00:00:00 140118-71 8710192 TM048	28/1/14	Paul Poynton	Loose fibres in soil	Not Detected (#)	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP51 2.80 SOLID 16/01/2014 00:00:00 140118-71 8710193 TM048	29/1/14	Martin Cotterell	Loose fibres in soil	Not Detected (#)	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP52 0.30 SOLID 16/01/2014 00:00:00 140118-71 8710195 TM048	29/1/14	Paul Fenney	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG: 140118-71 **Location:** Coed Darcy **Order Number:** CD0597
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294758
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 260597

		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 Receieved SDG Original Sample Method Number	P1TP52 1.00 SOLID 16/01/2014 00:00:00 140118-71 8710196 TM048	29/1/14	Lauren Sargeant	Loose fibres in soil	Not Detected (#)	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP52 2.00 SOLID 16/01/2014 00:00:00 140118-71 8710197 TM048	29/1/14	Martin Cotterell	Soil containing loose fibres and ACM debris	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP52 2.90 SOLID 16/01/2014 00:00:00 140118-71 8710198 TM048	28/1/14	Kevin Bowron	Loose fibres in soil	Not Detected (#)	Trace (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP53 0.20 SOLID 16/01/2014 00:00:00 140118-71 8710199 TM048	28/1/14	Paul Poynton	Loose fibres in soil	Not Detected (#)	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP53 0.90 SOLID 16/01/2014 00:00:00 140118-71 8710200 TM048	28/1/14	Paul Poynton	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 Receieved SDG Original Sample Method Number	P1TP53 2.20 SOLID 16/01/2014 00:00:00 140118-71 8710201 TM048	28/1/14	Chris Swindells	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG: 140118-71 **Location:** Coed Darcy **Order Number:** CD0597
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294758
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 260597

		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 Receieved SDG Original Sample Method Number	P1TP53 3.00 SOLID 16/01/2014 00:00:00 140118-71 8710202 TM048	28/1/14	Chris Swindells	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 Receieved SDG Original Sample Method Number	P1TP53 3.90 SOLID 16/01/2014 00:00:00 140118-71 8710203 TM048	28/1/14	Kevin Bowron	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 Receieved SDG Original Sample Method Number	P1TP54 0.40 SOLID 16/01/2014 00:00:00 140118-71 8710204 TM048	28/1/14	Kevin Bowron	Loose fibres in soil	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP54 1.00 SOLID 16/01/2014 00:00:00 140118-71 8710205 TM048	29/1/14	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 Receieved SDG Original Sample Method Number	P1TP54 1.90 SOLID 16/01/2014 00:00:00 140118-71 8710206 TM048	28/1/14	Kevin Bowron	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 Receieved SDG Original Sample Method Number	P1TP54 3.10 SOLID 16/01/2014 00:00:00 140118-71 8710207 TM048	29/1/14	Paul Fenney	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG: 140118-71 **Location:** Coed Darcy **Order Number:** CD0597
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294758
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 260597

		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 Receieved SDG Original Sample Method Number	P1TP54 4.00 SOLID 16/01/2014 00:00:00 140118-71 8710208 TM048	28/1/14	Paul Poynton	Loose fibres in soil	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP54 5.00 SOLID 16/01/2014 00:00:00 140118-71 8710209 TM048	28/1/14	Chris Swindells	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 Receieved SDG Original Sample Method Number	P1TP54 5.30 SOLID 16/01/2014 00:00:00 140118-71 8710210 TM048	27/01/14	Martin Cotterell	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 Receieved SDG Original Sample Method Number	P1TP55 0.20 SOLID 16/01/2014 00:00:00 140118-71 8710211 TM048	28/1/14	Chris Swindells	Loose fibres in soil	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP55 1.00 SOLID 16/01/2014 00:00:00 140118-71 8710212 TM048	28/1/14	Chris Swindells	Loose fibres in soil	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP55 2.20 SOLID 16/01/2014 00:00:00 140118-71 8710213 TM048	29/1/14	Paul Fenney	Loose fibres in soil	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG: 140118-71 **Location:** Coed Darcy **Order Number:** CD0597
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294758
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 260597

		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 Receieved SDG Original Sample Method Number	P1TP55 3.00 SOLID 16/01/2014 00:00:00 140118-71 8710214 TM048	28/1/14	Chris Swindells	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 Receieved SDG Original Sample Method Number	P1TP55 3.90 SOLID 16/01/2014 00:00:00 140118-71 8710215 TM048	28/1/14	Kevin Bowron	Loose fibres in soil	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP55 5.00 SOLID 16/01/2014 00:00:00 140118-71 8710216 TM048	28/1/14	Chris Swindells	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 Receieved SDG Original Sample Method Number	P1TP56 0.30 SOLID 16/01/2014 00:00:00 140118-71 8710218 TM048	28/1/14	Paul Poynton	Loose fibres in soil	Trace (#)	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP56 1.30 SOLID 16/01/2014 00:00:00 140118-71 8710219 TM048	29/1/14	Lauren Sargeant	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 Receieved SDG Original Sample Method Number	P1TP56 2.10 SOLID 16/01/2014 00:00:00 140118-71 8710221 TM048	29/1/14	Martin Cotterell	Loose fibres in soil	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG: 140118-71 **Location:** Coed Darcy **Order Number:** CD0597
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294758
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 260597

		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 Receieved SDG Original Sample Method Number	P1TP56 3.00 SOLID 16/01/2014 00:00:00 140118-71 8710222 TM048	29/1/14	Martin Cotterell	Loose fibres in soil	Not Detected (#)	Trace (#)	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP56 3.60 SOLID 16/01/2014 00:00:00 140118-71 8710224 TM048	28/1/14	Kevin Bowron	Loose fibres in soil	Not Detected (#)	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP57 0.20 SOLID 16/01/2014 00:00:00 140118-71 8710226 TM048	29/1/14	Martin Cotterell	Soil containing loose fibres and ACM debris	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP57 1.00 SOLID 16/01/2014 00:00:00 140118-71 8710227 TM048	28/1/14	Chris Swindells	Loose fibres in soil	Not Detected (#)	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP57 2.40 SOLID 16/01/2014 00:00:00 140118-71 8710230 TM048	28/1/14	Kevin Bowron	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 Receieved SDG Original Sample Method Number	P1TP57 3.00 SOLID 16/01/2014 00:00:00 140118-71 8710231 TM048	29/1/14	Paul Fenney	Loose fibres in soil	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG: 140118-71 **Location:** Coed Darcy **Order Number:** CD0597
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294758
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 260597

		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 Receieved SDG Original Sample Method Number	P1TP57 3.30 SOLID 16/01/2014 00:00:00 140118-71 8710232 TM048	28/1/14	Paul Poynton	Loose fibres in soil	Not Detected (#)	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SMS 50 1.90 SOLID 16/01/2014 00:00:00 140118-71 8710181 TM048	28/1/14	Kevin Bowron	Loose fibres in soil	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

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 Receieved SDG Original Sample Method Number	P1TP47 0.20 SOLID 16/01/2014 00:00:00 140118-71 8710162 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP48 0.40 SOLID 16/01/2014 00:00:00 140118-71 8710168 TM 304	Chrysotile and Crocidolite (#)	Loose fibres in soil	0.0098 (#)	0.0017 (#)	0.0115 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP49 0.20 SOLID 16/01/2014 00:00:00 140118-71 8710173 TM 304	Crocidolite (Loose fibres in soil.) (#)	N/C	0.0012 (#)	<0.001 (#)	0.0014 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP49 1.00 SOLID 16/01/2014 00:00:00 140118-71 8710174 TM 304	Chrysotile and Crocidolite (#)	Loose fibres in soil	0.0031 (#)	<0.001 (#)	0.0034 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP50 0.20 SOLID 16/01/2014 00:00:00 140118-71 8710179 TM 304	None (#)	N/C	0.0035 (#)	<0.001 (#)	0.004 (#)

CERTIFICATE OF ANALYSIS

SDG: 140118-71 **Location:** Coed Darcy **Order Number:** CD0597
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294758
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 260597

		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 Receieved SDG Original Sample Method Number	P1TP50 1.00 SOLID 16/01/2014 00:00:00 140118-71 8710180 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP51 0.30 SOLID 16/01/2014 00:00:00 140118-71 8710186 TM 304	None (#)	N/C	0.0028 (#)	<0.001 (#)	0.0034 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP52 0.30 SOLID 16/01/2014 00:00:00 140118-71 8710195 TM 304	Amosite (#)	Loose fibres	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP52 1.00 SOLID 16/01/2014 00:00:00 140118-71 8710196 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	0.0015 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP53 0.20 SOLID 16/01/2014 00:00:00 140118-71 8710199 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP53 0.90 SOLID 16/01/2014 00:00:00 140118-71 8710200 TM 304	Chrysotile (Loose fibres in soil.) (#)	N/C	0.0016 (#)	<0.001 (#)	0.002 (#)

CERTIFICATE OF ANALYSIS

SDG: 140118-71 **Location:** Coed Darcy **Order Number:** CD0597
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294758
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 260597

		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 Receieved SDG Original Sample Method Number	P1TP54 0.40 SOLID 16/01/2014 00:00:00 140118-71 8710204 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP54 1.00 SOLID 16/01/2014 00:00:00 140118-71 8710205 TM 304	Amosite and Crocidolite (#)	Loose fibres in soil	0.0023 (#)	<0.001 (#)	0.003 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP55 0.20 SOLID 16/01/2014 00:00:00 140118-71 8710211 TM 304	None (#)	N/C	0.0043 (#)	<0.001 (#)	0.0047 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP55 1.00 SOLID 16/01/2014 00:00:00 140118-71 8710212 TM 304	Crocidolite (#)	Loose fibres in soil	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP56 0.30 SOLID 16/01/2014 00:00:00 140118-71 8710218 TM 304	Chrysotile (#)	Loose fibres	0.0010 (#)	<0.001 (#)	0.0011 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP57 0.20 SOLID 16/01/2014 00:00:00 140118-71 8710226 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)

CERTIFICATE OF ANALYSIS

SDG: 140118-71 **Location:** Coed Darcy **Order Number:** CD0597
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294758
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 260597

		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 Receieved SDG Original Sample Method Number	P1TP57 1.00 SOLID 16/01/2014 00:00:00 140118-71 8710227 TM 304	None (#)	Amphibole fibres found during PCM analysis.	<0.001 (#)	<0.001 (#)	<0.001 (#)

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

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)		
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS		
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		
TM157	HP 6890 Gas Chromatograph (GC) system and HP 5973 Mass Selective Detector (MSD).	Determination of SVOC in Soils by GC-MS extracted by sonication in DCM/Acetone		
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		

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

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

Test Completion Dates

Lab Sample No(s)	8710162	8710164	8710165	8710166	8710167	8710168	8710169	8710170	8710171	8710172
Customer Sample Ref.	P1TP47	P1TP47	P1TP47	P1TP47	P1TP47	P1TP48	P1TP48	P1TP48	P1TP48	P1TP48
AGS Ref.										
Depth	0.20	1.10	2.40	3.00	3.50	0.40	1.20	2.00	3.10	3.80
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014
Asbestos Quantification - Full	18-Feb-2014					20-Feb-2014				
EPH CWG (Aliphatic) GC (S)	27-Jan-2014	28-Jan-2014	29-Jan-2014	27-Jan-2014	29-Jan-2014	28-Jan-2014	29-Jan-2014	27-Jan-2014	28-Jan-2014	27-Jan-2014
EPH CWG (Aromatic) GC (S)	27-Jan-2014	28-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	28-Jan-2014	29-Jan-2014	27-Jan-2014	28-Jan-2014	27-Jan-2014
GRO by GC-FID (S)	28-Jan-2014	28-Jan-2014	28-Jan-2014	27-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014
Metals in solid samples by OES	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014
pH	28-Jan-2014	28-Jan-2014	29-Jan-2014	28-Jan-2014	29-Jan-2014	28-Jan-2014	28-Jan-2014	29-Jan-2014	28-Jan-2014	29-Jan-2014
Sample description	22-Jan-2014	22-Jan-2014	22-Jan-2014	21-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014
Semi Volatile Organic Compounds	27-Jan-2014	28-Jan-2014	28-Jan-2014	26-Jan-2014	28-Jan-2014	27-Jan-2014	28-Jan-2014	27-Jan-2014	27-Jan-2014	27-Jan-2014
Total Organic Carbon	30-Jan-2014	30-Jan-2014	30-Jan-2014	30-Jan-2014	30-Jan-2014	29-Jan-2014	30-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014
TPH CWG GC (S)	28-Jan-2014	28-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	28-Jan-2014	29-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014
VOC MS (S)	27-Jan-2014	28-Jan-2014	28-Jan-2014	27-Jan-2014	31-Jan-2014	27-Jan-2014	28-Jan-2014	27-Jan-2014	27-Jan-2014	27-Jan-2014

Lab Sample No(s)	8710173	8710174	8710176	8710177	8710178	8710179	8710180	8710183	8710186	8710190
Customer Sample Ref.	P1TP49	P1TP49	P1TP49	P1TP49	P1TP49	P1TP50	P1TP50	P1TP50	P1TP51	P1TP51
AGS Ref.										
Depth	0.20	1.00	2.20	3.00	3.20	0.20	1.00	2.80	0.30	1.30
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014
Asbestos Quantification - Full	19-Feb-2014	20-Feb-2014				20-Feb-2014	20-Feb-2014		20-Feb-2014	
EPH CWG (Aliphatic) GC (S)	29-Jan-2014	28-Jan-2014	28-Jan-2014	29-Jan-2014	29-Jan-2014	28-Jan-2014	27-Jan-2014	27-Jan-2014	24-Jan-2014	27-Jan-2014
EPH CWG (Aromatic) GC (S)	29-Jan-2014	28-Jan-2014	28-Jan-2014	29-Jan-2014	29-Jan-2014	28-Jan-2014	27-Jan-2014	27-Jan-2014	24-Jan-2014	27-Jan-2014
GRO by GC-FID (S)	29-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	26-Jan-2014	26-Jan-2014	26-Jan-2014	26-Jan-2014
Metals in solid samples by OES	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	28-Jan-2014	28-Jan-2014	29-Jan-2014	29-Jan-2014
pH	28-Jan-2014	29-Jan-2014	28-Jan-2014	28-Jan-2014	29-Jan-2014	28-Jan-2014	29-Jan-2014	28-Jan-2014	29-Jan-2014	28-Jan-2014
Sample description	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014
Semi Volatile Organic Compounds	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	26-Jan-2014	26-Jan-2014	26-Jan-2014	26-Jan-2014
Total Organic Carbon	30-Jan-2014	30-Jan-2014	30-Jan-2014	30-Jan-2014	29-Jan-2014	30-Jan-2014	29-Jan-2014	29-Jan-2014	30-Jan-2014	29-Jan-2014
TPH CWG GC (S)	29-Jan-2014	28-Jan-2014	28-Jan-2014	29-Jan-2014	29-Jan-2014	28-Jan-2014	27-Jan-2014	27-Jan-2014	26-Jan-2014	27-Jan-2014
VOC MS (S)	28-Jan-2014	31-Jan-2014	28-Jan-2014	28-Jan-2014	31-Jan-2014	31-Jan-2014	27-Jan-2014	31-Jan-2014	27-Jan-2014	27-Jan-2014

Lab Sample No(s)	8710192	8710193	8710195	8710196	8710197	8710198	8710199	8710200	8710201	8710202
Customer Sample Ref.	P1TP51	P1TP51	P1TP52	P1TP52	P1TP52	P1TP52	P1TP53	P1TP53	P1TP53	P1TP53
AGS Ref.										
Depth	2.10	2.80	0.30	1.00	2.00	2.90	0.20	0.90	2.20	3.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014
Asbestos Quantification - Full			20-Feb-2014	18-Feb-2014			19-Feb-2014	19-Feb-2014		
EPH CWG (Aliphatic) GC (S)	24-Jan-2014	27-Jan-2014	27-Jan-2014	27-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	27-Jan-2014	24-Jan-2014
EPH CWG (Aromatic) GC (S)	24-Jan-2014	29-Jan-2014	27-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	27-Jan-2014	24-Jan-2014
GRO by GC-FID (S)	26-Jan-2014	26-Jan-2014	26-Jan-2014	26-Jan-2014	28-Jan-2014	28-Jan-2014	29-Jan-2014	29-Jan-2014	26-Jan-2014	26-Jan-2014
Metals in solid samples by OES	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	30-Jan-2014	29-Jan-2014	29-Jan-2014
pH	29-Jan-2014	29-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014
Sample description	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	21-Jan-2014	22-Jan-2014	21-Jan-2014
Semi Volatile Organic Compounds	26-Jan-2014	26-Jan-2014	26-Jan-2014	26-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	29-Jan-2014	26-Jan-2014	26-Jan-2014
Total Organic Carbon	30-Jan-2014	30-Jan-2014	29-Jan-2014	30-Jan-2014	30-Jan-2014	30-Jan-2014	30-Jan-2014	30-Jan-2014	30-Jan-2014	30-Jan-2014
TPH CWG GC (S)	24-Jan-2014	29-Jan-2014	27-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	27-Jan-2014	26-Jan-2014
VOC MS (S)	27-Jan-2014	27-Jan-2014	27-Jan-2014	27-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	31-Jan-2014	31-Jan-2014	31-Jan-2014

CERTIFICATE OF ANALYSIS

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

Lab Sample No(s)	8710203	8710204	8710205	8710206	8710207	8710208	8710209	8710210	8710211	8710212
Customer Sample Ref.	P1TP53	P1TP54	P1TP54	P1TP54	P1TP54	P1TP54	P1TP54	P1TP54	P1TP55	P1TP55
AGS Ref.										
Depth	3.90	0.40	1.00	1.90	3.10	4.00	5.00	5.30	0.20	1.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	28-Jan-2014		29-Jan-2014
Asbestos Quantification - Full		20-Feb-2014	19-Feb-2014						19-Feb-2014	20-Feb-2014
EPH CWG (Aliphatic) GC (S)	29-Jan-2014	24-Jan-2014	24-Jan-2014	27-Jan-2014	28-Jan-2014	24-Jan-2014	29-Jan-2014	28-Jan-2014		28-Jan-2014
EPH CWG (Aromatic) GC (S)	29-Jan-2014	24-Jan-2014	24-Jan-2014	27-Jan-2014	28-Jan-2014	24-Jan-2014	29-Jan-2014	28-Jan-2014		28-Jan-2014
GRO by GC-FID (S)	29-Jan-2014	27-Jan-2014	27-Jan-2014	26-Jan-2014	27-Jan-2014	26-Jan-2014	29-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014
Metals in solid samples by OES	30-Jan-2014	29-Jan-2014	29-Jan-2014	28-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014		29-Jan-2014
pH	29-Jan-2014	29-Jan-2014	29-Jan-2014	28-Jan-2014	29-Jan-2014	28-Jan-2014	29-Jan-2014	29-Jan-2014		29-Jan-2014
Sample description	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	22-Jan-2014	21-Jan-2014	22-Jan-2014	22-Jan-2014		22-Jan-2014
Semi Volatile Organic Compounds	29-Jan-2014	26-Jan-2014	26-Jan-2014	26-Jan-2014	26-Jan-2014	26-Jan-2014	28-Jan-2014	28-Jan-2014		28-Jan-2014
Total Organic Carbon	30-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	30-Jan-2014	30-Jan-2014		30-Jan-2014
TPH CWG GC (S)	29-Jan-2014	27-Jan-2014	27-Jan-2014	27-Jan-2014	28-Jan-2014	26-Jan-2014	29-Jan-2014	28-Jan-2014		28-Jan-2014
VOC MS (S)	31-Jan-2014	27-Jan-2014	27-Jan-2014	27-Jan-2014	27-Jan-2014	27-Jan-2014	28-Jan-2014	28-Jan-2014	31-Jan-2014	31-Jan-2014

Lab Sample No(s)	8710213	8710214	8710215	8710216	8710218	8710219	8710221	8710222	8710224	8710226
Customer Sample Ref.	P1TP55	P1TP55	P1TP55	P1TP55	P1TP56	P1TP56	P1TP56	P1TP56	P1TP56	P1TP57
AGS Ref.										
Depth	2.20	3.00	3.90	5.00	0.30	1.30	2.10	3.00	3.60	0.20
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014
Asbestos Quantification - Full					18-Feb-2014					20-Feb-2014
EPH CWG (Aliphatic) GC (S)	24-Jan-2014	27-Jan-2014	27-Jan-2014	28-Jan-2014	27-Jan-2014	27-Jan-2014	24-Jan-2014	27-Jan-2014	27-Jan-2014	28-Jan-2014
EPH CWG (Aromatic) GC (S)	24-Jan-2014	27-Jan-2014	27-Jan-2014	28-Jan-2014	27-Jan-2014	29-Jan-2014	24-Jan-2014	27-Jan-2014	27-Jan-2014	28-Jan-2014
GRO by GC-FID (S)	27-Jan-2014	26-Jan-2014	28-Jan-2014	28-Jan-2014	27-Jan-2014	26-Jan-2014	28-Jan-2014	26-Jan-2014	26-Jan-2014	28-Jan-2014
Metals in solid samples by OES	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014
pH	29-Jan-2014	28-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	28-Jan-2014	28-Jan-2014	29-Jan-2014
Sample description	21-Jan-2014	21-Jan-2014	22-Jan-2014	22-Jan-2014	22-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	22-Jan-2014
Semi Volatile Organic Compounds	26-Jan-2014	26-Jan-2014	26-Jan-2014	28-Jan-2014	26-Jan-2014	26-Jan-2014	26-Jan-2014	26-Jan-2014	26-Jan-2014	27-Jan-2014
Total Organic Carbon	30-Jan-2014	30-Jan-2014	29-Jan-2014	30-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	30-Jan-2014	29-Jan-2014	29-Jan-2014
TPH CWG GC (S)	27-Jan-2014	27-Jan-2014	28-Jan-2014	28-Jan-2014	27-Jan-2014	29-Jan-2014	28-Jan-2014	27-Jan-2014	27-Jan-2014	28-Jan-2014
VOC MS (S)	27-Jan-2014	31-Jan-2014	27-Jan-2014	28-Jan-2014	27-Jan-2014	27-Jan-2014	27-Jan-2014	27-Jan-2014	31-Jan-2014	27-Jan-2014

Lab Sample No(s)	8710227	8710230	8710231	8710232	8710181
Customer Sample Ref.	P1TP57	P1TP57	P1TP57	P1TP57	SMS 50
AGS Ref.					
Depth	1.00	2.40	3.00	3.30	1.90
Type	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014
Asbestos Quantification - Full	20-Feb-2014				
EPH CWG (Aliphatic) GC (S)	24-Jan-2014	24-Jan-2014	27-Jan-2014	27-Jan-2014	27-Jan-2014
EPH CWG (Aromatic) GC (S)	24-Jan-2014	24-Jan-2014	27-Jan-2014	27-Jan-2014	27-Jan-2014
GRO by GC-FID (S)	26-Jan-2014	28-Jan-2014	27-Jan-2014	26-Jan-2014	26-Jan-2014
Metals in solid samples by OES	29-Jan-2014	29-Jan-2014	28-Jan-2014	29-Jan-2014	29-Jan-2014
pH	29-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	29-Jan-2014
Sample description	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014
Semi Volatile Organic Compounds	26-Jan-2014	26-Jan-2014	26-Jan-2014	26-Jan-2014	26-Jan-2014
Total Organic Carbon	30-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014
TPH CWG GC (S)	26-Jan-2014	28-Jan-2014	27-Jan-2014	27-Jan-2014	27-Jan-2014
VOC MS (S)	31-Jan-2014	27-Jan-2014	27-Jan-2014	31-Jan-2014	31-Jan-2014

SDG:	140118-71	**Location:**	Coed Darcy	**Order Number:**	CD0597
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294758
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	260597

Appendix

General

1. Results are expressed on a dry weight basis (dried at 35ºC) 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 Dimethyphenol, 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 presevation 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.

ALcontrol Laboratories

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Project Jonah site office
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Coed Darcy
Llandarcy
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Attention: Jack Lowrie

CERTIFICATE OF ANALYSIS

Date:	08 December 2014
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	140118-31
Your Reference:	Phase 2
Location:	Coed Darcy
Report No:	294755

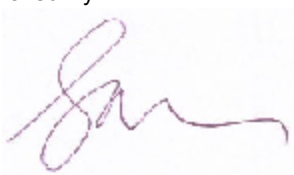
This report has been revised and directly supersedes 258109 in its entirety.

We received 46 samples on Saturday January 18, 2014 and 46 of these samples were scheduled for analysis which was completed on Wednesday January 29, 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

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Registered Office: Units 7 & 8 Hawarden Business Park, Manor Road, Hawarden, Deeside, CH5 3US. Registered in England and Wales No. 4057291.

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
8707997	P1TP93		0.20	17/01/2014
8707998	P1TP93		1.10	17/01/2014
8707999	P1TP93		2.00	17/01/2014
8708000	P1TP93		2.10	17/01/2014
8707995	P1TP94		0.20	17/01/2014
8707996	P1TP94		0.90	17/01/2014
8707991	P1TP95		0.40	17/01/2014
8707992	P1TP95		1.00	17/01/2014
8707993	P1TP95		1.90	17/01/2014
8707994	P1TP95		2.80	17/01/2014
8707987	P1TP96		0.20	17/01/2014
8707988	P1TP96		1.30	17/01/2014
8707989	P1TP96		2.00	17/01/2014
8707990	P1TP96		2.40	17/01/2014
8707980	P1TP97		0.20	17/01/2014
8707981	P1TP97		1.00	17/01/2014
8707982	P1TP97		2.20	17/01/2014
8707984	P1TP97		3.10	17/01/2014
8707985	P1TP97		3.80	17/01/2014
8707986	P1TP97		4.60	17/01/2014
8707977	P1TP98		0.30	17/01/2014
8707978	P1TP98		0.90	17/01/2014
8707979	P1TP98		2.20	17/01/2014
8708002	P1TP98		3.00	17/01/2014
8707969	P1TP99		0.30	17/01/2014
8707970	P1TP99		1.40	17/01/2014
8707972	P1TP99		2.10	17/01/2014
8707973	P1TP99		3.00	17/01/2014
8707974	P1TP99		3.90	17/01/2014
8707976	P1TP99		4.60	17/01/2014
8708001	P1TP100		0.20	17/01/2014
8707968	P1TP100		0.90	17/01/2014
8707960	P1TP101		0.30	17/01/2014
8707961	P1TP101		1.20	17/01/2014
8707962	P1TP101		2.00	17/01/2014
8707963	P1TP101		3.10	17/01/2014
8707964	P1TP101		4.00	17/01/2014
8707965	P1TP101		5.00	17/01/2014
8707967	P1TP101		5.30	17/01/2014
8707953	P1TP102		0.20	17/01/2014
8707954	P1TP102		1.00	17/01/2014
8707955	P1TP102		2.40	17/01/2014
8707956	P1TP102		3.20	17/01/2014
8707957	P1TP102		4.00	17/01/2014
8707958	P1TP102		4.90	17/01/2014
8707959	P1TP102		5.20	17/01/2014

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

CERTIFICATE OF ANALYSIS

SDG: 140118-31
Job: H_ATKINS_LDC-173
Client Reference: Phase 2
Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Jack Lowrie
Order Number: CD0598
Report Number: 294755
Superseded Report: 258109

SOLID

Results Legend

X Test

N No Determination Possible

	Lab Sample No(s)				8707997			8707998			8707999			8708000			8707995			8707996			8707991			8707992			8707993			8707994			8707987			8707988			8707989	8707990
	Customer Sample Reference				P1TP93			P1TP93			P1TP93			P1TP93			P1TP94			P1TP94			P1TP95			P1TP95			P1TP95			P1TP95			P1TP96			P1TP96			P1TP96	P1TP96
	AGS Reference																																									
	Depth (m)				0.20			1.10			2.00			2.10			0.20			0.90			0.40			1.00			1.90			2.80			0.20			1.30			2.00	2.40
	Container		250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 46		X			X			X			X			X			X			X			X			X			X			X			X			X		
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 46	X			X			X			X			X			X			X			X			X			X			X			X			X			X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 46	X			X			X			X			X			X			X			X			X			X			X			X			X			X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 46			X			X			X			X			X			X			X			X			X			X			X			X			X	
Metals in solid samples by OES	All	NDPs: 0 Tests: 46	X			X			X			X			X			X			X			X			X			X			X			X			X			X
pH	All	NDPs: 0 Tests: 46		X			X			X			X			X			X			X			X			X			X			X			X			X		
Sample description	All	NDPs: 0 Tests: 46	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 46	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Total Organic Carbon	All	NDPs: 0 Tests: 46	X			X			X			X			X			X			X			X			X			X			X			X			X			X
TPH CWG GC (S)	All	NDPs: 0 Tests: 46	X			X			X			X			X			X			X			X			X			X			X			X			X			X
VOC MS (S)	All	NDPs: 0 Tests: 46			X			X			X			X			X			X			X			X			X			X			X			X			X	

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

SOLID

Results Legend

X Test

N No Determination Possible

AGS Reference: (blank for all samples)

Lab Sample No(s)	Customer Sample Reference	Depth (m)	Container	Asbestos ID in Solid Samples (All; NDPs: 0 Tests: 46)	EPH CWG (Aliphatic) GC (S) (All; NDPs: 0 Tests: 46)	EPH CWG (Aromatic) GC (S) (All; NDPs: 0 Tests: 46)	GRO by GC-FID (S) (All; NDPs: 0 Tests: 46)	Metals in solid samples by OES (All; NDPs: 0 Tests: 46)	pH (All; NDPs: 0 Tests: 46)	Sample description (All; NDPs: 0 Tests: 46)	Semi Volatile Organic Compounds (All; NDPs: 0 Tests: 46)	Total Organic Carbon (All; NDPs: 0 Tests: 46)	TPH CWG GC (S) (All; NDPs: 0 Tests: 46)	VOC MS (S) (All; NDPs: 0 Tests: 46)
8707990	P1TP96	2.40	400g Tub (ALE214)	X					X					
8707990	P1TP96	2.40	60g VOC (ALE215)				X							X
8707980	P1TP97	0.20	250g Amber Jar		X	X		X		X	X	X	X	
8707980	P1TP97	0.20	400g Tub (ALE214)	X					X					
8707980	P1TP97	0.20	60g VOC (ALE215)				X							X
8707981	P1TP97	1.00	250g Amber Jar		X	X		X		X	X	X	X	
8707981	P1TP97	1.00	400g Tub (ALE214)	X					X					
8707981	P1TP97	1.00	60g VOC (ALE215)				X							X
8707982	P1TP97	2.20	250g Amber Jar		X	X		X		X	X	X	X	
8707982	P1TP97	2.20	400g Tub (ALE214)	X					X					
8707982	P1TP97	2.20	60g VOC (ALE215)				X							X
8707984	P1TP97	3.10	250g Amber Jar		X	X		X		X	X	X	X	
8707984	P1TP97	3.10	400g Tub (ALE214)	X					X					
8707984	P1TP97	3.10	60g VOC (ALE215)				X							X
8707985	P1TP97	3.80	250g Amber Jar		X	X		X		X	X	X	X	
8707985	P1TP97	3.80	400g Tub (ALE214)	X					X					
8707985	P1TP97	3.80	60g VOC (ALE215)				X							X
8707986	P1TP97	4.60	250g Amber Jar		X	X		X		X	X	X	X	
8707986	P1TP97	4.60	400g Tub (ALE214)	X					X					
8707986	P1TP97	4.60	60g VOC (ALE215)				X							X
8707977	P1TP98	0.30	250g Amber Jar		X	X		X		X	X	X	X	
8707977	P1TP98	0.30	400g Tub (ALE214)	X					X					
8707977	P1TP98	0.30	60g VOC (ALE215)				X							X
8707978	P1TP98	0.90	250g Amber Jar		X	X		X		X	X	X	X	
8707978	P1TP98	0.90	400g Tub (ALE214)	X					X					
8707978	P1TP98	0.90	60g VOC (ALE215)				X							X
8707979	P1TP98	2.20	250g Amber Jar		X	X		X		X	X	X	X	
8707979	P1TP98	2.20	400g Tub (ALE214)	X					X					
8707979	P1TP98	2.20	60g VOC (ALE215)				X							X
8708002	P1TP98	3.00	250g Amber Jar		X	X		X		X	X	X	X	
8708002	P1TP98	3.00	400g Tub (ALE214)	X					X					
8708002	P1TP98	3.00	60g VOC (ALE215)				X							X
8707969	P1TP99	0.30	250g Amber Jar		X	X		X		X	X	X	X	
8707969	P1TP99	0.30	400g Tub (ALE214)	X					X					
8707969	P1TP99	0.30	60g VOC (ALE215)				X							X
8707970	P1TP99	1.40	250g Amber Jar		X	X		X		X	X	X	X	
8707970	P1TP99	1.40	400g Tub (ALE214)	X					X					
8707970	P1TP99	1.40	60g VOC (ALE215)				X							X
8707972	P1TP99	2.10	250g Amber Jar		X	X		X		X	X	X	X	
8707972	P1TP99	2.10	400g Tub (ALE214)	X					X					

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

SOLID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)	8707972	8707973	8707974	8707976	8708001	8707968	8707960	8707961	8707962	8707963	8707964	8707965	8707967	8707953
Customer Sample Reference	P1TP99	P1TP99	P1TP99	P1TP99	P1TP100	P1TP100	P1TP101	P1TP101	P1TP101	P1TP101	P1TP101	P1TP101	P1TP101	P1TP102
AGS Reference														
Depth (m)	2.10	3.00	3.90	4.60	0.20	0.90	0.30	1.20	2.00	3.10	4.00	5.00	5.30	0.20
Container	60g VOC (ALE215)	250g Amber Jar 400g Tub (ALE214) 60g VOC (ALE215)	250g Amber Jar 400g Tub (ALE214) 60g VOC (ALE215)	250g Amber Jar 400g Tub (ALE214) 60g VOC (ALE215)	250g Amber Jar 400g Tub (ALE214) 60g VOC (ALE215)	250g Amber Jar 400g Tub (ALE214) 60g VOC (ALE215)	250g Amber Jar 400g Tub (ALE214) 60g VOC (ALE215)	250g Amber Jar 400g Tub (ALE214) 60g VOC (ALE215)	250g Amber Jar 400g Tub (ALE214) 60g VOC (ALE215)	250g Amber Jar 400g Tub (ALE214) 60g VOC (ALE215)	250g Amber Jar 400g Tub (ALE214) 60g VOC (ALE215)	250g Amber Jar 400g Tub (ALE214) 60g VOC (ALE215)	250g Amber Jar 400g Tub (ALE214) 60g VOC (ALE215)	250g Amber Jar 400g Tub (ALE214) 60g VOC (ALE215)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 46		X		X		X		X		X		X		X		X		X		X		X		X
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 46	X		X		X		X		X		X		X		X		X		X		X		X	
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 46	X		X		X		X		X		X		X		X		X		X		X		X	
GRO by GC-FID (S)	All	NDPs: 0 Tests: 46	X		X		X		X		X		X		X		X		X		X		X		X	X
Metals in solid samples by OES	All	NDPs: 0 Tests: 46	X		X		X		X		X		X		X		X		X		X		X		X	
pH	All	NDPs: 0 Tests: 46		X		X		X		X		X		X		X		X		X		X		X		X
Sample description	All	NDPs: 0 Tests: 46	X		X		X		X		X		X		X		X		X		X		X		X	
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 46	X		X		X		X		X		X		X		X		X		X		X		X	
Total Organic Carbon	All	NDPs: 0 Tests: 46	X		X		X		X		X		X		X		X		X		X		X		X	
TPH CWG GC (S)	All	NDPs: 0 Tests: 46	X		X		X		X		X		X		X		X		X		X		X		X	
VOC MS (S)	All	NDPs: 0 Tests: 46	X		X		X		X		X		X		X		X		X		X		X		X	X

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

SOLID

Results Legend

X **Test**

N **No Determination Possible**

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
			8707954	P1TP102		1.00	250g Amber Jar
							400g Tub (ALE214)
							60g VOC (ALE215)
			8707955	P1TP102		2.40	250g Amber Jar
							400g Tub (ALE214)
							60g VOC (ALE215)
			8707956	P1TP102		3.20	250g Amber Jar
							400g Tub (ALE214)
							60g VOC (ALE215)
			8707957	P1TP102		4.00	250g Amber Jar
							400g Tub (ALE214)
							60g VOC (ALE215)
			8707958	P1TP102		4.90	250g Amber Jar
							400g Tub (ALE214)
							60g VOC (ALE215)
			8707959	P1TP102		5.20	250g Amber Jar
							400g Tub (ALE214)
							60g VOC (ALE215)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 46					X X X X X X
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 46					X X X X X X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 46					X X X X X X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 46					X X X X X X
Metals in solid samples by OES	All	NDPs: 0 Tests: 46					X X X X X X
pH	All	NDPs: 0 Tests: 46					X X X X X X
Sample description	All	NDPs: 0 Tests: 46					X X X X X X
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 46					X X X X X X
Total Organic Carbon	All	NDPs: 0 Tests: 46					X X X X X X
TPH CWG GC (S)	All	NDPs: 0 Tests: 46					X X X X X X
VOC MS (S)	All	NDPs: 0 Tests: 46					X X X X X X

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

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
8707997	P1TP93	0.20	Dark Brown	Clay Loam	0.063 - 0.1 mm	Stones	None
8707998	P1TP93	1.10	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Concrete/Aggregate	Stones
8707999	P1TP93	2.00	Dark Brown	Sandy Clay Loam	0.063 - 0.1 mm	Stones	None
8708000	P1TP93	2.10	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
8707995	P1TP94	0.20	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Concrete/Aggregate	Stones
8707996	P1TP94	0.90	Dark Brown	Loamy Sand	0.1 - 2 mm	Concrete/Aggregate	Stones
8707991	P1TP95	0.40	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8707992	P1TP95	1.00	Dark Brown	Sandy Silt Loam	0.063 - 0.1 mm	Stones	Vegetation
8707993	P1TP95	1.90	Dark Brown	Sandy Clay Loam	0.063 - 0.1 mm	Stones	None
8707994	P1TP95	2.80	Dark Brown	Sandy Clay Loam	0.063 - 0.1 mm	Stones	None
8707987	P1TP96	0.20	Dark Brown	Silt Loam	0.063 - 0.1 mm	Stones	Brick
8707988	P1TP96	1.30	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Concrete/Aggregate	Stones
8707989	P1TP96	2.00	Dark Brown	Sandy Clay Loam	0.063 - 0.1 mm	Stones	None
8707990	P1TP96	2.40	Dark Brown	Sandy Loam	0.063 - 0.1 mm	Stones	None
8707980	P1TP97	0.20	Dark Brown	Sandy Clay Loam	0.063 - 0.1 mm	Stones	None
8707981	P1TP97	1.00	Dark Brown	Clay Loam	<0.063 mm	Stones	None
8707982	P1TP97	2.20	Dark Brown	Clay Loam	<0.063 mm	Stones	Brick
8707984	P1TP97	3.10	Dark Brown	Sandy Clay Loam	0.063 - 0.1 mm	Stones	None
8707985	P1TP97	3.80	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Brick
8707986	P1TP97	4.60	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8707977	P1TP98	0.30	Dark Brown	Clay Loam	0.063 - 0.1 mm	Stones	None
8707978	P1TP98	0.90	Dark Brown	Clay Loam	0.063 - 0.1 mm	Stones	None
8707979	P1TP98	2.20	Dark Brown	Clay Loam	<0.063 mm	Stones	None
8708002	P1TP98	3.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Tile	Stones
8707969	P1TP99	0.30	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8707970	P1TP99	1.40	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8707972	P1TP99	2.10	Dark Brown	Sandy Clay Loam	0.063 - 0.1 mm	Stones	Brick
8707973	P1TP99	3.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Crushed Brick	Stones
8707974	P1TP99	3.90	Dark Brown	Sandy Clay Loam	0.063 - 0.1 mm	Stones	None
8707976	P1TP99	4.60	Dark Brown	Sandy Clay Loam	0.063 - 0.1 mm	Stones	None
8707968	P1TP100	0.90	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
8708001	P1TP100	0.20	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	None
8707960	P1TP101	0.30	Dark Brown	Clay Loam	<0.063 mm	Stones	None
8707961	P1TP101	1.20	Dark Brown	Sandy Clay Loam	0.063 - 0.1 mm	Stones	Brick
8707962	P1TP101	2.00	Dark Brown	Clay Loam	<0.063 mm	Stones	None
8707963	P1TP101	3.10	Dark Brown	Sandy Clay Loam	0.063 - 0.1 mm	Stones	None
8707964	P1TP101	4.00	Dark Brown	Sandy Clay Loam	0.063 - 0.1 mm	Stones	None
8707965	P1TP101	5.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Brick	Stones

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

			Colour	Description	Grain size	Inclusions	Inclusions 2
8707967	P1TP101	5.30	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Crushed Brick	Tile
8707953	P1TP102	0.20	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8707954	P1TP102	1.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Concrete/Aggregate	Stones
8707955	P1TP102	2.40	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Crushed Brick	Stones
8707956	P1TP102	3.20	Dark Brown	Sandy Clay Loam	0.063 - 0.1 mm	Stones	Crushed Brick
8707957	P1TP102	4.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Concrete/Aggregate	Stones
8707958	P1TP102	4.90	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
8707959	P1TP102	5.20	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None

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 ocurring 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.

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP93	P1TP93	P1TP93	P1TP93	P1TP94	P1TP94
			Depth (m)	0.20	1.10	2.00	2.10	0.20	0.90
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-31	140118-31	140118-31	140118-31	140118-31	140118-31
			Lab Sample No.(s)	8707997	8707998	8707999	8708000	8707995	8707996
			AGS Reference						
Moisture Content Ratio	%	PM024		18	14	12	16	11	6.5
Soil Organic Matter (SOM)	<0.35 %	TM132		2.98 #	1.72 #	3.57 #	2.65 #	1.71 #	0.957 #
pH	1 pH Units	TM133		6.28 M	7.56 M	7.36 M	7.04 M	8.17 M	8.04 M
Arsenic	<0.6 mg/kg	TM181		40.7 M	25.8 M	20.8 M	28.9 M	18.1 M	7.84 M
Cadmium	<0.02 mg/kg	TM181		0.732 M	0.735 M	0.607 M	0.637 M	0.634 M	0.424 M
Chromium	<0.9 mg/kg	TM181		12.7 M	16 M	11.6 M	12.2 M	14 M	15 M
Copper	<1.4 mg/kg	TM181		81.8 M	53.4 M	41.5 M	51.9 M	41.8 M	12.1 M
Lead	<0.7 mg/kg	TM181		40.8 M	42.3 M	33.2 M	30.9 M	78.2 M	19.5 M
Mercury	<0.14 mg/kg	TM181		0.243 M	0.452 M	1.09 M	0.607 M	0.566 M	0.17 M
Nickel	<0.2 mg/kg	TM181		20.6 M	32.1 M	26.3 M	16.1 M	20.8 M	31 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		17.3 #	17.9 #	14 #	15.5 #	21.8 #	13.4 #
Zinc	<1.9 mg/kg	TM181		89 M	133 M	113 M	82 M	174 M	94.8 M

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP95	P1TP95	P1TP95	P1TP95	P1TP96	P1TP96
			Depth (m)	0.40	1.00	1.90	2.80	0.20	1.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-31	140118-31	140118-31	140118-31	140118-31	140118-31
			Lab Sample No.(s)	8707991	8707992	8707993	8707994	8707987	8707988
			AGS Reference						
Moisture Content Ratio	%	PM024		17	15	13	12	11	12
Soil Organic Matter (SOM)	<0.35 %	TM132		2.34 #	3.74 #	4.81 #	5.88 #	4.48 #	2.97 #
pH	1 pH Units	TM133		7.25 M	7.87 M	7.97 M	8.18 M	8.02 M	8.12 M
Arsenic	<0.6 mg/kg	TM181		27.3 M	24 M	24.5 M	28 M	24 M	24.3 M
Cadmium	<0.02 mg/kg	TM181		0.718 M	0.954 M	0.769 M	0.916 M	0.85 M	0.844 M
Chromium	<0.9 mg/kg	TM181		13.4 M	27 M	14 M	21.5 M	15.8 M	14.8 M
Copper	<1.4 mg/kg	TM181		68.9 M	79.2 M	60.2 M	119 M	66.5 M	62.4 M
Lead	<0.7 mg/kg	TM181		52.9 M	132 M	102 M	217 M	119 M	167 M
Mercury	<0.14 mg/kg	TM181		0.419 M	0.466 M	0.504 M	0.669 M	0.94 M	0.954 M
Nickel	<0.2 mg/kg	TM181		19.7 M	32.2 M	21.2 M	31.6 M	29 M	25.6 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		18.3 #	24.9 #	16.9 #	21.5 #	18.9 #	18.9 #
Zinc	<1.9 mg/kg	TM181		127 M	356 M	246 M	458 M	183 M	231 M

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP96	P1TP96	P1TP97	P1TP97	P1TP97	P1TP97
			Depth (m)	2.00	2.40	0.20	1.00	2.20	3.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-31	140118-31	140118-31	140118-31	140118-31	140118-31
			Lab Sample No.(s)	8707989	8707990	8707980	8707981	8707982	8707984
			AGS Reference						
Moisture Content Ratio	%	PM024		14	11	13	8.7	14	14
Soil Organic Matter (SOM)	<0.35 %	TM132		12.9 #	3.4 #	3.17 #	2.02 #	3.19 #	7.33 #
pH	1 pH Units	TM133		8.04 M	8.09 M	8.01 M	7.92 M	8.11 M	7.7 M
Arsenic	<0.6 mg/kg	TM181		31.2 M	27.5 M	21 M	18.7 M	18.5 M	37.9 M
Cadmium	<0.02 mg/kg	TM181		0.812 M	1.21 M	0.593 M	0.579 M	0.745 M	1.24 M
Chromium	<0.9 mg/kg	TM181		38.1 M	15.8 M	14.8 M	15.2 M	15.2 M	24.2 M
Copper	<1.4 mg/kg	TM181		67.7 M	71.2 M	55 M	52.6 M	60.9 M	145 M
Lead	<0.7 mg/kg	TM181		131 M	80 M	61.6 M	94.9 M	108 M	300 M
Mercury	<0.14 mg/kg	TM181		1.79 M	4.75 M	0.232 M	0.406 M	0.484 M	1.86 M
Nickel	<0.2 mg/kg	TM181		24.3 M	29.2 M	24.6 M	23.1 M	22.7 M	29.4 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		29.8 #	19.2 #	23.4 #	17.4 #	17.2 #	24.3 #
Zinc	<1.9 mg/kg	TM181		322 M	223 M	169 M	260 M	290 M	495 M

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP97	P1TP97	P1TP98	P1TP98	P1TP98	P1TP98
			Depth (m)	3.80	4.60	0.30	0.90	2.20	3.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-31	140118-31	140118-31	140118-31	140118-31	140118-31
			Lab Sample No.(s)	8707985	8707986	8707977	8707978	8707979	8708002
			AGS Reference						
Moisture Content Ratio	%	PM024		14	9.2	11	14	11	11
Soil Organic Matter (SOM)	<0.35 %	TM132		4.67 #	2.31 #	3.59 #	5.64 #	5.24 #	2.55 #
pH	1 pH Units	TM133		7.86 M	7.97 M	8 M	7.95 M	8.07 M	7.84 M
Arsenic	<0.6 mg/kg	TM181		43 M	27 M	23.1 M	30 M	30.2 M	30.5 M
Cadmium	<0.02 mg/kg	TM181		1.72 M	0.895 M	0.783 M	0.976 M	0.858 M	0.937 M
Chromium	<0.9 mg/kg	TM181		25.4 M	23 M	276 M	17 M	14 M	13.6 M
Copper	<1.4 mg/kg	TM181		194 M	99.5 M	61.8 M	99.9 M	68.5 M	55.4 M
Lead	<0.7 mg/kg	TM181		407 M	205 M	101 M	156 M	70.7 M	138 M
Mercury	<0.14 mg/kg	TM181		0.845 M	0.42 M	1.33 M	1.63 M	1.29 M	0.75 M
Nickel	<0.2 mg/kg	TM181		30.3 M	34.2 M	19.2 M	32.1 M	22.6 M	24.9 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	2.38 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		27.5 #	21.5 #	242 #	20.5 #	17.6 #	16.6 #
Zinc	<1.9 mg/kg	TM181		914 M	480 M	238 M	396 M	143 M	175 M

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP99	P1TP99	P1TP99	P1TP99	P1TP99	P1TP99
			Depth (m)	0.30	1.40	2.10	3.00	3.90	4.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-31	140118-31	140118-31	140118-31	140118-31	140118-31
			Lab Sample No.(s)	8707969	8707970	8707972	8707973	8707974	8707976
			AGS Reference						
Moisture Content Ratio	%	PM024		16	15	12	14	13	12
Soil Organic Matter (SOM)	<0.35 %	TM132		6.72 #	4.83 #	5.19 #	3.47 #	4.07 #	3.15 #
pH	1 pH Units	TM133		8.01 M	7.87 M	7.97 M	8.04 M	8.01 M	7.86 M
Arsenic	<0.6 mg/kg	TM181		28.2 M	26.2 M	33.3 M	47.2 M	29 M	35.3 M
Cadmium	<0.02 mg/kg	TM181		0.951 M	0.838 M	1.06 M	1.3 M	0.818 M	1.13 M
Chromium	<0.9 mg/kg	TM181		17.7 M	16.2 M	33.9 M	30.9 M	20.4 M	39 M
Copper	<1.4 mg/kg	TM181		106 M	89.6 M	138 M	192 M	93.8 M	142 M
Lead	<0.7 mg/kg	TM181		136 M	123 M	373 M	422 M	134 M	363 M
Mercury	<0.14 mg/kg	TM181		1.2 M	0.905 M	0.651 M	0.898 M	0.558 M	0.649 M
Nickel	<0.2 mg/kg	TM181		27.5 M	25.7 M	30.9 M	40.4 M	28.9 M	36.8 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		24.1 #	18.8 #	25.3 #	32.9 #	22.8 #	28.2 #
Zinc	<1.9 mg/kg	TM181		333 M	321 M	559 M	782 M	318 M	604 M

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP100	P1TP100	P1TP101	P1TP101	P1TP101	P1TP101
			Depth (m)	0.20	0.90	0.30	1.20	2.00	3.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-31	140118-31	140118-31	140118-31	140118-31	140118-31
			Lab Sample No.(s)	8708001	8707968	8707960	8707961	8707962	8707963
			AGS Reference						
Moisture Content Ratio	%	PM024		13	16	13	13	15	14
Soil Organic Matter (SOM)	<0.35 %	TM132		4.22 #	1.93 #	2.52 #	3.52 #	7.52 #	5.52 #
pH	1 pH Units	TM133		7.93 M	7.8 M	7.95 M	8.11 M	8.16 M	8.13 M
Arsenic	<0.6 mg/kg	TM181		29.9 M	27.7 M	24.5 M	64.2 M	24.3 M	48.7 M
Cadmium	<0.02 mg/kg	TM181		0.789 M	0.751 M	0.685 M	0.803 M	0.752 M	0.638 M
Chromium	<0.9 mg/kg	TM181		14.1 M	13.7 M	13.8 M	14 M	12.5 M	38.8 M
Copper	<1.4 mg/kg	TM181		65.3 M	61.2 M	54.6 M	103 M	77.9 M	61.7 M
Lead	<0.7 mg/kg	TM181		76.2 M	51.9 M	54.4 M	132 M	145 M	396 M
Mercury	<0.14 mg/kg	TM181		0.516 M	0.575 M	0.97 M	1.58 M	1.88 M	0.699 M
Nickel	<0.2 mg/kg	TM181		22.9 M	21.8 M	20.8 M	18.2 M	20.9 M	23.8 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	1.21 #
Vanadium	<0.2 mg/kg	TM181		17.1 #	15.8 #	16.5 #	20 #	17.3 #	38.1 #
Zinc	<1.9 mg/kg	TM181		185 M	131 M	122 M	477 M	312 M	4760 M

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP101	P1TP101	P1TP101	P1TP102	P1TP102	P1TP102
			Depth (m)	4.00	5.00	5.30	0.20	1.00	2.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-31	140118-31	140118-31	140118-31	140118-31	140118-31
			Lab Sample No.(s)	8707964	8707965	8707967	8707953	8707954	8707955
			AGS Reference						
Moisture Content Ratio	%	PM024		16	15	15	11	12	14
Soil Organic Matter (SOM)	<0.35 %	TM132		4.14 #	5.28 #	4.19 #	1.26 #	3.53 #	2.83 #
pH	1 pH Units	TM133		7.83 M	8.02 M	7.94 M	7.92 M	8.02 M	7.84 M
Arsenic	<0.6 mg/kg	TM181		26.6 M	27.6 M	25.4 M	11.2 M	25.2 M	28.4 M
Cadmium	<0.02 mg/kg	TM181		0.738 M	0.797 M	0.778 M	0.478 M	0.757 M	0.821 M
Chromium	<0.9 mg/kg	TM181		13.5 M	15.6 M	14.2 M	14.4 M	15.3 M	14.2 M
Copper	<1.4 mg/kg	TM181		70.5 M	89.9 M	70.3 M	23.8 M	56.4 M	64.6 M
Lead	<0.7 mg/kg	TM181		107 M	101 M	86.6 M	28 M	67.9 M	73.9 M
Mercury	<0.14 mg/kg	TM181		3.61 M	1.23 M	0.994 M	0.178 M	0.561 M	0.766 M
Nickel	<0.2 mg/kg	TM181		21 M	28.2 M	24.8 M	30.7 M	25.5 M	24.1 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		16.6 #	20.6 #	19.1 #	14.6 #	16.9 #	18 #
Zinc	<1.9 mg/kg	TM181		312 M	273 M	406 M	96.8 M	213 M	178 M

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.					
			P1TP102	P1TP102	P1TP102	P1TP102		
			Depth (m)	3.20	4.00	4.90	5.20	
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	
			Date Sampled	17/01/2014	17/01/2014	17/01/2014	17/01/2014	
			Sample Time	.	.	.	.	
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	
			SDG Ref	140118-31	140118-31	140118-31	140118-31	
			Lab Sample No.(s)	8707956	8707957	8707958	8707959	
			AGS Reference					
Moisture Content Ratio	%	PM024	11	14	17	20		
Soil Organic Matter (SOM)	<0.35 %	TM132	2.48 #	2.29 #	2 #	3.57 #		
pH	1 pH Units	TM133	7.43 M	7.55 M	7.42 M	7.33 M		
Arsenic	<0.6 mg/kg	TM181	28.1 M	27.4 M	22.7 M	26.3 M		
Cadmium	<0.02 mg/kg	TM181	0.863 M	0.744 M	0.707 M	0.71 M		
Chromium	<0.9 mg/kg	TM181	19 M	14.4 M	13.2 M	14.3 M		
Copper	<1.4 mg/kg	TM181	79.1 M	59.1 M	50.8 M	53.7 M		
Lead	<0.7 mg/kg	TM181	139 M	95 M	40.4 M	63.7 M		
Mercury	<0.14 mg/kg	TM181	0.394 M	0.803 M	0.334 M	0.579 M		
Nickel	<0.2 mg/kg	TM181	21.6 M	21.2 M	22.8 M	23.6 M		
Selenium	<1 mg/kg	TM181	<1 #	<1 #	<1 #	<1 #		
Vanadium	<0.2 mg/kg	TM181	22.6 #	19.2 #	16 #	17.6 #		
Zinc	<1.9 mg/kg	TM181	210 M	227 M	118 M	177 M		

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP93	P1TP93	P1TP93	P1TP93	P1TP94	P1TP94
			Depth (m)	0.20	1.10	2.00	2.10	0.20	0.90
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-31	140118-31	140118-31	140118-31	140118-31	140118-31
			Lab Sample No.(s)	8707997	8707998	8707999	8708000	8707995	8707996
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

Semi Volatile Organic Compounds

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP93	P1TP93	P1TP93	P1TP93	P1TP94	P1TP94
			Depth (m)	0.20	1.10	2.00	2.10	0.20	0.90
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-31	140118-31	140118-31	140118-31	140118-31	140118-31
			Lab Sample No.(s)	8707997	8707998	8707999	8708000	8707995	8707996
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	124	<100	<100	160
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	131	<100
Benzo(a)anthracene	<100 µg/kg	TM157		158	206	<100	<100	630	266
Benzo(b)fluoranthene	<100 µg/kg	TM157		166	176	<100	<100	658	287
Benzo(k)fluoranthene	<100 µg/kg	TM157		127	150	<100	<100	410	188
Benzo(a)pyrene	<100 µg/kg	TM157		130	172	<100	<100	526	216
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	<100	<100	<100	309	140
Chrysene	<100 µg/kg	TM157		229	236	<100	<100	880	355
Fluoranthene	<100 µg/kg	TM157		266	294	114	<100	944	407
Fluorene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	<100	<100	<100	295	134
Phenanthrene	<100 µg/kg	TM157		219	126	169	<100	485	220
Pyrene	<100 µg/kg	TM157		224	238	<100	<100	695	321
Naphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	125	<100

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP95	P1TP95	P1TP95	P1TP95	P1TP96	P1TP96
			Depth (m)	0.40	1.00	1.90	2.80	0.20	1.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-31	140118-31	140118-31	140118-31	140118-31	140118-31
			Lab Sample No.(s)	8707991	8707992	8707993	8707994	8707987	8707988
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	1060	183	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	471	161	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

Semi Volatile Organic Compounds

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP95	P1TP95	P1TP95	P1TP95	P1TP96	P1TP96
			Depth (m)	0.40	1.00	1.90	2.80	0.20	1.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-31	140118-31	140118-31	140118-31	140118-31	140118-31
			Lab Sample No.(s)	8707991	8707992	8707993	8707994	8707987	8707988
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	147	473	405	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	262	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	501	419	<100
Anthracene	<100 µg/kg	TM157		265	<100	<100	3040	380	<100
Benzo(a)anthracene	<100 µg/kg	TM157		1880	150	366	3180	1240	477
Benzo(b)fluoranthene	<100 µg/kg	TM157		1850	156	307	1800	1140	555
Benzo(k)fluoranthene	<100 µg/kg	TM157		1430	128	251	2040	952	354
Benzo(a)pyrene	<100 µg/kg	TM157		1730	164	300	2580	1210	481
Benzo(g,h,i)perylene	<100 µg/kg	TM157		928	<100	182	1200	737	340
Chrysene	<100 µg/kg	TM157		2070	225	617	3140	1830	835
Fluoranthene	<100 µg/kg	TM157		2140	271	518	7590	1940	609
Fluorene	<100 µg/kg	TM157		<100	<100	<100	1650	350	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		914	<100	163	1110	636	297
Phenanthrene	<100 µg/kg	TM157		451	177	546	9780	2000	372
Pyrene	<100 µg/kg	TM157		1640	304	683	6240	1780	520
Naphthalene	<100 µg/kg	TM157		<100	<100	<100	230	211	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		363	<100	<100	286	223	123

CERTIFICATE OF ANALYSIS

SDG: 140118-31 **Location:** Coed Darcy **Order Number:** CD0598
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294755
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 258109

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP96	P1TP96	P1TP97	P1TP97	P1TP97	P1TP97
			Depth (m)	2.00	2.40	0.20	1.00	2.20	3.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-31	140118-31	140118-31	140118-31	140118-31	140118-31
			Lab Sample No.(s)	8707989	8707990	8707980	8707981	8707982	8707984
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

Semi Volatile Organic Compounds

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP96	P1TP96	P1TP97	P1TP97	P1TP97	P1TP97
			Depth (m)	2.00	2.40	0.20	1.00	2.20	3.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-31	140118-31	140118-31	140118-31	140118-31	140118-31
			Lab Sample No.(s)	8707989	8707990	8707980	8707981	8707982	8707984
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		227	171	122	141	135	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		<100	114	<100	<100	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		259	550	224	312	436	358
Benzo(b)fluoranthene	<100 µg/kg	TM157		293	469	249	329	431	358
Benzo(k)fluoranthene	<100 µg/kg	TM157		232	355	193	286	343	326
Benzo(a)pyrene	<100 µg/kg	TM157		289	465	250	368	431	387
Benzo(g,h,i)perylene	<100 µg/kg	TM157		190	270	166	357	251	223
Chrysene	<100 µg/kg	TM157		377	1070	323	452	549	462
Fluoranthene	<100 µg/kg	TM157		380	688	322	544	730	581
Fluorene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		168	245	135	316	224	201
Phenanthrene	<100 µg/kg	TM157		296	648	300	456	590	405
Pyrene	<100 µg/kg	TM157		422	733	468	678	762	536
Naphthalene	<100 µg/kg	TM157		159	<100	<100	<100	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	131	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP97	P1TP97	P1TP98	P1TP98	P1TP98	P1TP98
			Depth (m)	3.80	4.60	0.30	0.90	2.20	3.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-31	140118-31	140118-31	140118-31	140118-31	140118-31
			Lab Sample No.(s)	8707985	8707986	8707977	8707978	8707979	8708002
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	114	<100	<100	<100	261
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

Semi Volatile Organic Compounds

Results Legend

#	ISO17025 accredited.
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(F)	Trigger breach confirmed
1-5&+$@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	P1TP97	P1TP97	P1TP98	P1TP98	P1TP98	P1TP98
			Depth (m)	3.80	4.60	0.30	0.90	2.20	3.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-31	140118-31	140118-31	140118-31	140118-31	140118-31
			Lab Sample No.(s)	8707985	8707986	8707977	8707978	8707979	8708002
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	195	141	144	118	148
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		<100	126	<100	<100	<100	118
Benzo(a)anthracene	<100 µg/kg	TM157		149	520	265	241	217	1830
Benzo(b)fluoranthene	<100 µg/kg	TM157		157	567	329	265	230	1060
Benzo(k)fluoranthene	<100 µg/kg	TM157		130	434	243	217	166	511
Benzo(a)pyrene	<100 µg/kg	TM157		166	565	292	265	225	1170
Benzo(g,h,i)perylene	<100 µg/kg	TM157		151	433	182	315	234	596
Chrysene	<100 µg/kg	TM157		236	759	395	337	347	4720
Fluoranthene	<100 µg/kg	TM157		253	832	404	377	311	778
Fluorene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		136	378	160	288	230	454
Phenanthrene	<100 µg/kg	TM157		215	700	256	309	311	1850
Pyrene	<100 µg/kg	TM157		259	809	394	390	308	1540
Naphthalene	<100 µg/kg	TM157		<100	130	<100	<100	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	143	<100	147	134	473

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP99	P1TP99	P1TP99	P1TP99	P1TP99	P1TP99
			Depth (m)	0.30	1.40	2.10	3.00	3.90	4.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-31	140118-31	140118-31	140118-31	140118-31	140118-31
			Lab Sample No.(s)	8707969	8707970	8707972	8707973	8707974	8707976
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
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**	% 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	Customer Sample Ref.	P1TP99	P1TP99	P1TP99	P1TP99	P1TP99	P1TP99
			Depth (m)	0.30	1.40	2.10	3.00	3.90	4.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-31	140118-31	140118-31	140118-31	140118-31	140118-31
			Lab Sample No.(s)	8707969	8707970	8707972	8707973	8707974	8707976
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	175	134	119	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		<100	<100	286	120	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		573	242	902	474	196	370
Benzo(b)fluoranthene	<100 µg/kg	TM157		670	251	825	425	247	354
Benzo(k)fluoranthene	<100 µg/kg	TM157		438	210	649	337	192	341
Benzo(a)pyrene	<100 µg/kg	TM157		500	259	875	423	231	404
Benzo(g,h,i)perylene	<100 µg/kg	TM157		285	178	500	301	162	403
Chrysene	<100 µg/kg	TM157		842	308	1120	718	298	490
Fluoranthene	<100 µg/kg	TM157		708	375	1570	791	318	648
Fluorene	<100 µg/kg	TM157		<100	<100	120	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		285	151	433	244	138	358
Phenanthrene	<100 µg/kg	TM157		363	256	1160	1390	233	493
Pyrene	<100 µg/kg	TM157		610	360	1540	821	361	585
Naphthalene	<100 µg/kg	TM157		<100	<100	142	<100	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		126	<100	140	<100	<100	162

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

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Results Legend	
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(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	P1TP100	P1TP100	P1TP101	P1TP101	P1TP101	P1TP101
			Depth (m)	0.20	0.90	0.30	1.20	2.00	3.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-31	140118-31	140118-31	140118-31	140118-31	140118-31
			Lab Sample No.(s)	8708001	8707968	8707960	8707961	8707962	8707963
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP100	P1TP100	P1TP101	P1TP101	P1TP101	P1TP101
			Depth (m)	0.20	0.90	0.30	1.20	2.00	3.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-31	140118-31	140118-31	140118-31	140118-31	140118-31
			Lab Sample No.(s)	8708001	8707968	8707960	8707961	8707962	8707963
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	<100	181	283	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		161	425	143	307	375	<100
Benzo(b)fluoranthene	<100 µg/kg	TM157		148	193	151	352	549	<100
Benzo(k)fluoranthene	<100 µg/kg	TM157		114	<100	126	287	439	<100
Benzo(a)pyrene	<100 µg/kg	TM157		146	154	149	340	725	<100
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	<100	180	217	615	<100
Chrysene	<100 µg/kg	TM157		277	2000	197	459	609	122
Fluoranthene	<100 µg/kg	TM157		262	133	197	496	509	137
Fluorene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	<100	158	195	593	<100
Phenanthrene	<100 µg/kg	TM157		185	230	<100	302	335	<100
Pyrene	<100 µg/kg	TM157		273	339	196	503	531	146
Naphthalene	<100 µg/kg	TM157		<100	<100	<100	131	189	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	211	<100

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP101	P1TP101	P1TP101	P1TP102	P1TP102	P1TP102
			Depth (m)	4.00	5.00	5.30	0.20	1.00	2.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-31	140118-31	140118-31	140118-31	140118-31	140118-31
			Lab Sample No.(s)	8707964	8707965	8707967	8707953	8707954	8707955
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP101	P1TP101	P1TP101	P1TP102	P1TP102	P1TP102
			Depth (m)	4.00	5.00	5.30	0.20	1.00	2.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-31	140118-31	140118-31	140118-31	140118-31	140118-31
			Lab Sample No.(s)	8707964	8707965	8707967	8707953	8707954	8707955
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	260	<100	149	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	140	<100
Benzo(a)anthracene	<100 µg/kg	TM157		329	482	179	<100	594	246
Benzo(b)fluoranthene	<100 µg/kg	TM157		290	488	324	<100	565	257
Benzo(k)fluoranthene	<100 µg/kg	TM157		232	317	220	<100	457	184
Benzo(a)pyrene	<100 µg/kg	TM157		266	370	231	<100	532	234
Benzo(g,h,i)perylene	<100 µg/kg	TM157		134	213	182	<100	315	156
Chrysene	<100 µg/kg	TM157		369	603	314	121	682	301
Fluoranthene	<100 µg/kg	TM157		484	744	249	<100	899	354
Fluorene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		132	216	176	<100	293	134
Phenanthrene	<100 µg/kg	TM157		241	300	180	120	588	273
Pyrene	<100 µg/kg	TM157		376	535	296	121	791	322
Naphthalene	<100 µg/kg	TM157		<100	<100	223	<100	128	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

Semi Volatile Organic Compounds

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP102	P1TP102	P1TP102	P1TP102		
			Depth (m)	3.20	4.00	4.90	5.20		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	17/01/2014	17/01/2014	17/01/2014	17/01/2014		
			Sample Time	.	.	.	.		
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014		
			SDG Ref	140118-31	140118-31	140118-31	140118-31		
			Lab Sample No.(s)	8707956	8707957	8707958	8707959		
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100		
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100		
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100		
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100		
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100		
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100		
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100		
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100		
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100		
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100		
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100		
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100		
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100		
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100		
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100		
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100		
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100		
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100		
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100		
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100		
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100		
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100		
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100		
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100		
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100		
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100		
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100		
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100		
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100		
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100		
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100		
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100		

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP102	P1TP102	P1TP102	P1TP102		
			Depth (m)	3.20	4.00	4.90	5.20		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	17/01/2014	17/01/2014	17/01/2014	17/01/2014		
			Sample Time	.	.	.	.		
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014		
			SDG Ref	140118-31	140118-31	140118-31	140118-31		
			Lab Sample No.(s)	8707956	8707957	8707958	8707959		
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100		
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100		
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100		
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100		
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100		
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100		
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100		
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100		
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100		
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100		
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100		
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100		
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100		
Acenaphthene	<100 µg/kg	TM157		396	<100	<100	<100		
Anthracene	<100 µg/kg	TM157		252	<100	<100	<100		
Benzo(a)anthracene	<100 µg/kg	TM157		1260	233	125	<100		
Benzo(b)fluoranthene	<100 µg/kg	TM157		1000	246	<100	<100		
Benzo(k)fluoranthene	<100 µg/kg	TM157		863	184	<100	<100		
Benzo(a)pyrene	<100 µg/kg	TM157		867	218	<100	<100		
Benzo(g,h,i)perylene	<100 µg/kg	TM157		515	134	<100	<100		
Chrysene	<100 µg/kg	TM157		1390	277	142	134		
Fluoranthene	<100 µg/kg	TM157		2320	315	202	144		
Fluorene	<100 µg/kg	TM157		121	<100	<100	<100		
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		499	125	<100	<100		
Phenanthrene	<100 µg/kg	TM157		699	193	138	162		
Pyrene	<100 µg/kg	TM157		1700	264	172	171		
Naphthalene	<100 µg/kg	TM157		<100	<100	<100	<100		
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		212	<100	<100	<100		

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP93	P1TP93	P1TP93	P1TP93	P1TP94	P1TP94
			Depth (m)	0.20	1.10	2.00	2.10	0.20	0.90
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-31	140118-31	140118-31	140118-31	140118-31	140118-31
			Lab Sample No.(s)	8707997	8707998	8707999	8708000	8707995	8707996
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		94	54	82	105	83	86
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		6420 M	3440 M	6110 M	11500 M	924 M	3960 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	27.1 M	14.4 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	84.8 M	<2 M	5.6 M	28.9 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	8.12 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 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	112	<24	<24	28.9
Aliphatics >C5-C6	<10 µg/kg	TM089		19.5	15.1	27.1	16.8	<10	12.8
Aliphatics >C6-C8	<10 µg/kg	TM089		3170	171	713	1830	42.6	212
Aliphatics >C8-C10	<10 µg/kg	TM089		1510	710	1440	3790	102	929
Aliphatics >C10-C12	<10 µg/kg	TM089		431	1240	1720	1970	417	1290
Aliphatics >C12-C16	<100 µg/kg	TM173		55000	50000	59600	30300	41800	58600
Aliphatics >C16-C21	<100 µg/kg	TM173		69400	66100	60400	33000	53800	41500
Aliphatics >C21-C35	<100 µg/kg	TM173		51300	50800	86700	23700	117000	70700
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	9590	21700	11700	35100	19100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		176000	177000	228000	98700	247000	190000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	27.1	14.4	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	84.8	<10	<10	28.9
Aromatics >EC8-EC10	<10 µg/kg	TM089		1010	480	959	2530	68.3	618
Aromatics >EC10-EC12	<10 µg/kg	TM089		287	825	1140	1310	278	859
Aromatics >EC12-EC16	<100 µg/kg	TM173		20000	15400	15600	13100	13100	15100
Aromatics >EC16-EC21	<100 µg/kg	TM173		43900	37800	37200	21200	33500	31500
Aromatics >EC21-EC35	<100 µg/kg	TM173		66000	52400	127000	35700	163000	97700
Aromatics >EC35-EC44	<100 µg/kg	TM173		22500	2580	60500	<100	74900	44500
Aromatics >EC40-EC44	<100 µg/kg	TM173		7750	<100	24100	<100	27200	18100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		152000	108000	240000	70000	285000	189000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		335000	288000	474000	180000	533000	383000

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP95	P1TP95	P1TP95	P1TP95	P1TP96	P1TP96
			Depth (m)	0.40	1.00	1.90	2.80	0.20	1.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-31	140118-31	140118-31	140118-31	140118-31	140118-31
			Lab Sample No.(s)	8707991	8707992	8707993	8707994	8707987	8707988
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		84	99	106	43	66	61
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		10400 M	3450 M	13700 M	524 M	8750 M	3300 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	<2 M	2.28 M	<2 M	5.65 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 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		20.4	<10	17.3	13.7	24.6	13.6
Aliphatics >C6-C8	<10 µg/kg	TM089		1450	326	2300	44.5	395	80.2
Aliphatics >C8-C10	<10 µg/kg	TM089		3090	980	4800	70.7	2060	612
Aliphatics >C10-C12	<10 µg/kg	TM089		2290	887	2010	201	2940	1310
Aliphatics >C12-C16	<100 µg/kg	TM173		34400	137000	52100	15000	23100	19900
Aliphatics >C16-C21	<100 µg/kg	TM173		33800	45100	50700	26700	31100	22200
Aliphatics >C21-C35	<100 µg/kg	TM173		19100	173000	90100	156000	60100	56900
Aliphatics >C35-C44	<100 µg/kg	TM173		3280	76100	22200	85700	14000	22100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		90500	431000	215000	284000	128000	121000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		2060	653	3200	52.4	1370	410
Aromatics >EC10-EC12	<10 µg/kg	TM089		1520	591	1340	133	1960	871
Aromatics >EC12-EC16	<100 µg/kg	TM173		10500	26200	18700	3140	5540	6130
Aromatics >EC16-EC21	<100 µg/kg	TM173		22200	43200	38000	16400	24200	15100
Aromatics >EC21-EC35	<100 µg/kg	TM173		42500	221000	109000	144000	147000	70500
Aromatics >EC35-EC44	<100 µg/kg	TM173		19200	113000	44500	92400	68300	40800
Aromatics >EC40-EC44	<100 µg/kg	TM173		8610	44400	16900	37900	26600	17500
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		94400	403000	210000	256000	245000	133000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		195000	837000	438000	540000	382000	257000

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP96	P1TP96	P1TP97	P1TP97	P1TP97	P1TP97
			Depth (m)	2.00	2.40	0.20	1.00	2.20	3.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-31	140118-31	140118-31	140118-31	140118-31	140118-31
			Lab Sample No.(s)	8707989	8707990	8707980	8707981	8707982	8707984
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		77	50	52	78	54	42
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		2390 M	3960 M	3600 M	7430 M	5290 M	1220 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	5.65 M	5.75 M	<2 M	<2 M	2.34 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	6.96 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	4.68 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		<10	23.7	13.8	<10	27.8	12.9
Aliphatics >C6-C8	<10 µg/kg	TM089		96.3	146	64.4	64.6	65	49.1
Aliphatics >C8-C10	<10 µg/kg	TM089		483	773	497	1310	741	173
Aliphatics >C10-C12	<10 µg/kg	TM089		887	1490	1610	3110	2370	512
Aliphatics >C12-C16	<100 µg/kg	TM173		64400	28200	181000	138000	127000	37100
Aliphatics >C16-C21	<100 µg/kg	TM173		76100	38100	23900	31100	41800	51800
Aliphatics >C21-C35	<100 µg/kg	TM173		391000	89600	122000	38900	142000	350000
Aliphatics >C35-C44	<100 µg/kg	TM173		149000	25000	20100	994	55100	130000
Total Aliphatics >C12-C44	<100 µg/kg	TM173		680000	181000	347000	209000	365000	568000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		321	521	335	874	506	126
Aromatics >EC10-EC12	<10 µg/kg	TM089		592	996	1070	2070	1580	342
Aromatics >EC12-EC16	<100 µg/kg	TM173		13700	8000	35900	26300	29800	28800
Aromatics >EC16-EC21	<100 µg/kg	TM173		42000	24900	36900	33800	44200	161000
Aromatics >EC21-EC35	<100 µg/kg	TM173		286000	101000	150000	82600	188000	597000
Aromatics >EC35-EC44	<100 µg/kg	TM173		116000	48200	60700	39600	110000	248000
Aromatics >EC40-EC44	<100 µg/kg	TM173		43100	18100	24600	15400	49200	91100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		458000	182000	283000	182000	371000	1030000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		1140000	367000	634000	398000	742000	1600000

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP97	P1TP97	P1TP98	P1TP98	P1TP98	P1TP98
			Depth (m)	3.80	4.60	0.30	0.90	2.20	3.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-31	140118-31	140118-31	140118-31	140118-31	140118-31
			Lab Sample No.(s)	8707985	8707986	8707977	8707978	8707979	8708002
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		30	56	74	86	78	87
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		1890 M	837 M	5240 M	10100 M	9050 M	14400 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		3.48 M	5.5 M	5.6 M	<2 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		5.8 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		15.1 M	<3 M	<3 M	<3 M	<3 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		15.1	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		24.4	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		16.2	20.9	16.8	16.2	14.6	20.2
Aliphatics >C6-C8	<10 µg/kg	TM089		90.5	75.9	349	355	427	821
Aliphatics >C8-C10	<10 µg/kg	TM089		260	116	1230	2310	2160	4300
Aliphatics >C10-C12	<10 µg/kg	TM089		793	319	1690	3510	3000	3860
Aliphatics >C12-C16	<100 µg/kg	TM173		50600	53700	56700	45300	30200	64100
Aliphatics >C16-C21	<100 µg/kg	TM173		55500	68000	76900	44100	24200	41500
Aliphatics >C21-C35	<100 µg/kg	TM173		243000	187000	370000	202000	75500	76900
Aliphatics >C35-C44	<100 µg/kg	TM173		134000	81000	141000	76400	13900	14200
Total Aliphatics >C12-C44	<100 µg/kg	TM173		483000	390000	645000	368000	144000	197000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		198	82.5	820	1540	1440	2870
Aromatics >EC10-EC12	<10 µg/kg	TM089		529	212	1130	2340	2000	2570
Aromatics >EC12-EC16	<100 µg/kg	TM173		12800	14400	11000	10000	9760	16800
Aromatics >EC16-EC21	<100 µg/kg	TM173		58100	47000	39800	27100	18000	28000
Aromatics >EC21-EC35	<100 µg/kg	TM173		335000	199000	251000	160000	89000	115000
Aromatics >EC35-EC44	<100 µg/kg	TM173		182000	112000	101000	67100	36000	28900
Aromatics >EC40-EC44	<100 µg/kg	TM173		69200	44100	37800	25400	12700	6580
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		588000	372000	402000	264000	153000	189000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		1070000	763000	1050000	642000	306000	400000

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
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(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	P1TP99	P1TP99	P1TP99	P1TP99	P1TP99	P1TP99
			Depth (m)	0.30	1.40	2.10	3.00	3.90	4.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-31	140118-31	140118-31	140118-31	140118-31	140118-31
			Lab Sample No.(s)	8707969	8707970	8707972	8707973	8707974	8707976
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		57	48	35	40	52	35
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		2130 M	2160 M	922 M	1610 M	1380 M	911 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		3.57 M	3.54 M	4.56 M	3.48 M	3.45 M	2.28 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	5.7 M	<3 M	<3 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		13.1	15.3	20.5	17.4	10.4	11.4
Aliphatics >C6-C8	<10 µg/kg	TM089		57.1	49.6	57	41.8	36.8	35.3
Aliphatics >C8-C10	<10 µg/kg	TM089		331	307	129	227	208	115
Aliphatics >C10-C12	<10 µg/kg	TM089		900	942	366	698	587	398
Aliphatics >C12-C16	<100 µg/kg	TM173		53500	55100	38700	72300	45500	16900
Aliphatics >C16-C21	<100 µg/kg	TM173		48200	63300	49100	126000	58000	35800
Aliphatics >C21-C35	<100 µg/kg	TM173		191000	313000	307000	255000	313000	267000
Aliphatics >C35-C44	<100 µg/kg	TM173		74500	123000	199000	128000	123000	135000
Total Aliphatics >C12-C44	<100 µg/kg	TM173		367000	555000	594000	581000	540000	455000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		224	208	95.8	153	141	78.7
Aromatics >EC10-EC12	<10 µg/kg	TM089		600	628	244	465	391	266
Aromatics >EC12-EC16	<100 µg/kg	TM173		10700	10500	12800	10400	9780	5020
Aromatics >EC16-EC21	<100 µg/kg	TM173		33500	34900	37000	32800	33100	23900
Aromatics >EC21-EC35	<100 µg/kg	TM173		162000	232000	351000	176000	239000	279000
Aromatics >EC35-EC44	<100 µg/kg	TM173		72400	110000	252000	120000	106000	162000
Aromatics >EC40-EC44	<100 µg/kg	TM173		29900	44000	98800	48200	39300	62200
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		278000	387000	653000	339000	389000	470000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		648000	944000	1250000	921000	930000	925000

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP100	P1TP100	P1TP101	P1TP101	P1TP101	P1TP101
			Depth (m)	0.20	0.90	0.30	1.20	2.00	3.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-31	140118-31	140118-31	140118-31	140118-31	140118-31
			Lab Sample No.(s)	8708001	8707968	8707960	8707961	8707962	8707963
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		120	91	91	48	52	45
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		10200 M	12400 M	7400 M	4030 M	4670 M	788 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	<2 M	<2 M	3.54 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 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		18.2	16.7	<10	18.4	23.6	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		1350	1560	605	123	166	23.2
Aliphatics >C8-C10	<10 µg/kg	TM089		3240	4510	2390	771	938	111
Aliphatics >C10-C12	<10 µg/kg	TM089		2030	2010	1680	1560	1750	341
Aliphatics >C12-C16	<100 µg/kg	TM173		20800	7750	49000	75700	78100	82300
Aliphatics >C16-C21	<100 µg/kg	TM173		26000	8640	52300	92400	94900	24100
Aliphatics >C21-C35	<100 µg/kg	TM173		72000	19200	217000	494000	529000	88000
Aliphatics >C35-C44	<100 µg/kg	TM173		30300	3420	65800	148000	163000	28300
Total Aliphatics >C12-C44	<100 µg/kg	TM173		149000	39000	384000	810000	865000	223000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		2160	3010	1590	519	631	75.4
Aromatics >EC10-EC12	<10 µg/kg	TM089		1350	1340	1120	1040	1160	227
Aromatics >EC12-EC16	<100 µg/kg	TM173		8050	4280	11600	21500	18200	14700
Aromatics >EC16-EC21	<100 µg/kg	TM173		21600	7780	33400	95000	54800	21000
Aromatics >EC21-EC35	<100 µg/kg	TM173		83700	25700	157000	442000	366000	93000
Aromatics >EC35-EC44	<100 µg/kg	TM173		39200	<100	61800	139000	126000	43000
Aromatics >EC40-EC44	<100 µg/kg	TM173		15700	<100	22900	49600	46200	17400
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		152000	37800	264000	697000	565000	172000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		312000	89200	655000	1510000	1430000	395000

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

TPH CWG (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP101	P1TP101	P1TP101	P1TP102	P1TP102	P1TP102
			Depth (m)	4.00	5.00	5.30	0.20	1.00	2.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-31	140118-31	140118-31	140118-31	140118-31	140118-31
			Lab Sample No.(s)	8707964	8707965	8707967	8707953	8707954	8707955
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		97	85	69	101	87	95
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		5100 M	4640 M	1890 M	5100 M	6120 M	9680 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		7.2 M	<2 M	2.36 M	30.5 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		9.6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		9.6	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	30.5	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		21.6	<10	13	18.1	11.4	16.2
Aliphatics >C6-C8	<10 µg/kg	TM089		235	446	55.5	263	653	720
Aliphatics >C8-C10	<10 µg/kg	TM089		1180	1590	294	1070	1960	3140
Aliphatics >C10-C12	<10 µg/kg	TM089		1720	920	794	1800	1310	2220
Aliphatics >C12-C16	<100 µg/kg	TM173		65700	70900	40900	48200	46700	39200
Aliphatics >C16-C21	<100 µg/kg	TM173		65700	66000	38000	48100	44000	39000
Aliphatics >C21-C35	<100 µg/kg	TM173		332000	370000	213000	40300	58500	60000
Aliphatics >C35-C44	<100 µg/kg	TM173		124000	131000	75200	12000	14000	8860
Total Aliphatics >C12-C44	<100 µg/kg	TM173		588000	638000	367000	149000	163000	147000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	10.2	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	30.5	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		796	1060	199	715	1310	2090
Aromatics >EC10-EC12	<10 µg/kg	TM089		1140	613	530	1200	872	1480
Aromatics >EC12-EC16	<100 µg/kg	TM173		15100	16500	7740	24800	10400	13100
Aromatics >EC16-EC21	<100 µg/kg	TM173		38600	39400	21500	43800	24600	25500
Aromatics >EC21-EC35	<100 µg/kg	TM173		234000	263000	143000	59100	74600	67000
Aromatics >EC35-EC44	<100 µg/kg	TM173		100000	109000	61200	23200	36900	12200
Aromatics >EC40-EC44	<100 µg/kg	TM173		36800	41900	24800	9310	16300	2620
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		388000	427000	233000	151000	147000	118000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		980000	1070000	602000	305000	316000	275000

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sample Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
			P1TP102	3.20	Soil/Solid	17/01/2014	.	18/01/2014	140118-31	8707956	
			P1TP102	4.00	Soil/Solid	17/01/2014	.	18/01/2014	140118-31	8707957	
			P1TP102	4.90	Soil/Solid	17/01/2014	.	18/01/2014	140118-31	8707958	
			P1TP102	5.20	Soil/Solid	17/01/2014	.	18/01/2014	140118-31	8707959	
GRO Surrogate % recovery**	%	TM089	85								
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	6890 M								
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<5 M								
Benzene	<10 µg/kg	TM089	<10 M								
Toluene	<2 µg/kg	TM089	<2 M								
Ethylbenzene	<3 µg/kg	TM089	<3 M								
m,p-Xylene	<6 µg/kg	TM089	<6 M								
o-Xylene	<3 µg/kg	TM089	<3 M								
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9								
sum of detected BTEX by GC	<24 µg/kg	TM089	<24								
Aliphatics >C5-C6	<10 µg/kg	TM089	10.2								
Aliphatics >C6-C8	<10 µg/kg	TM089	686								
Aliphatics >C8-C10	<10 µg/kg	TM089	2420								
Aliphatics >C10-C12	<10 µg/kg	TM089	1290								
Aliphatics >C12-C16	<100 µg/kg	TM173	19500								
Aliphatics >C16-C21	<100 µg/kg	TM173	19000								
Aliphatics >C21-C35	<100 µg/kg	TM173	12600								
Aliphatics >C35-C44	<100 µg/kg	TM173	<100								
Total Aliphatics >C12-C44	<100 µg/kg	TM173	51100								
Aromatics >EC5-EC7	<10 µg/kg	TM089	<10								
Aromatics >EC7-EC8	<10 µg/kg	TM089	<10								
Aromatics >EC8-EC10	<10 µg/kg	TM089	1610								
Aromatics >EC10-EC12	<10 µg/kg	TM089	862								
Aromatics >EC12-EC16	<100 µg/kg	TM173	7730								
Aromatics >EC16-EC21	<100 µg/kg	TM173	14100								
Aromatics >EC21-EC35	<100 µg/kg	TM173	24400								
Aromatics >EC35-EC44	<100 µg/kg	TM173	10100								
Aromatics >EC40-EC44	<100 µg/kg	TM173	3390								
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	56300								
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	114000								

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP93	P1TP93	P1TP93	P1TP93	P1TP94	P1TP94
			Depth (m)	0.20	1.10	2.00	2.10	0.20	0.90
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-31	140118-31	140118-31	140118-31	140118-31	140118-31
			Lab Sample No.(s)	8707997	8707998	8707999	8708000	8707995	8707996
			AGS Reference						
Dibromofluoromethane**	%	TM116		102	107	120	118	105	111
Toluene-d8**	%	TM116		92.1	96.4	101	99.7	105	101
4-Bromofluorobenzene**	%	TM116		140	130	96.2	104	124	102
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<8 M	<80 M	<80 M	<4 M	<80 M
Chloromethane	<7 µg/kg	TM116		<140	<14	<140	<140	<7	<140
Vinyl Chloride	<10 µg/kg	TM116		<200	<20	<200	<200	<10	<200
Bromomethane	<13 µg/kg	TM116		<260 M	<26 M	<260 M	<260 M	<13 M	<260 M
Chloroethane	<14 µg/kg	TM116		<280 M	<28 M	<280 M	<280 M	<14 M	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<12 M	<120 M	<120 M	<6 M	<120 M
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<20 #	<200 #	<200 #	<10 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<14 M	<140 M	<140 M	15.5 M	<140 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<20 #	<200 #	<200 #	<10 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<22 M	<220 M	<220 M	<11 M	<220 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 M	<22 M	<220 M	<220 M	<11 M	<220 M
1,1-Dichloroethane	<8 µg/kg	TM116		<160 M	<16 M	<160 M	<160 M	<8 M	<160 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 M	<10 M	<100 M	<100 M	<5 M	<100 M
2,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<24 M	<240 M	<240 M	<12 M	<240 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<28 M	<280 M	<280 M	<14 M	<280 M
Chloroform	<8 µg/kg	TM116		<160 M	<16 M	<160 M	<160 M	<8 M	<160 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 M	<14 M	<140 M	<140 M	<7 M	<140 M
1,1-Dichloropropene	<11 µg/kg	TM116		<220 M	<22 M	<220 M	<220 M	<11 M	<220 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<28 M	<280 M	<280 M	<14 M	<280 M
1,2-Dichloroethane	<5 µg/kg	TM116		<100 M	<10 M	<100 M	<100 M	<5 M	<100 M
Benzene	<9 µg/kg	TM116		<180 M	<18 M	<180 M	<180 M	13.7 M	<180 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<18 M	<180 M	<180 M	<9 M	<180 M
1,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<24 M	<240 M	<240 M	<12 M	<240 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<18 M	<180 M	<180 M	<9 M	<180 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<14 M	<140 M	<140 M	<7 M	<140 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 M	<28 M	<280 M	<280 M	<14 M	<280 M
Toluene	<5 µg/kg	TM116		<100 M	22.2 M	<100 M	<100 M	51 M	<100 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<200	<2000	<2000	<100	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 M	<20 M	<200 M	<200 M	<10 M	<200 M

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP93	P1TP93	P1TP93	P1TP93	P1TP94	P1TP94
			Depth (m)	0.20	1.10	2.00	2.10	0.20	0.90
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-31	140118-31	140118-31	140118-31	140118-31	140118-31
			Lab Sample No.(s)	8707997	8707998	8707999	8708000	8707995	8707996
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<14 #	<140 #	<140 #	<7 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<10 M	<100 M	<100 M	<5 M	<100 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<26 M	<260 M	<260 M	<13 M	<260 M
1,2-Dibromoethane	<12 µg/kg	TM116		<240 M	<24 M	<240 M	<240 M	<12 M	<240 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<10 M	<100 M	<100 M	<5 M	<100 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<20 M	<200 M	<200 M	<10 M	<200 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<8 M	<80 M	<80 M	<4 M	<80 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<28 #	<280 #	<280 #	<14 #	<280 #
o-Xylene	<10 µg/kg	TM116		<200 M	<20 M	<200 M	<200 M	<10 M	<200 M
Styrene	<10 µg/kg	TM116		<200 M	<20 M	<200 M	<200 M	<10 M	<200 M
Bromoform	<10 µg/kg	TM116		<200 M	<20 M	<200 M	<200 M	<10 M	<200 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<10 M	<100 M	<100 M	<5 M	<100 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<20 #	<200 #	<200 #	<10 #	<200 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 M	<34 M	<340 M	<340 M	<17 M	<340 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<20 M	<200 M	<200 M	<10 M	<200 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<22 M	<220 M	<220 M	<11 M	<220 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<18 M	<180 M	<180 M	<9 M	<180 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<16 #	<160 #	<160 #	<8 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<24 M	<240 M	<240 M	<12 M	<240 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<24 #	<240 #	<240 #	<12 #	<240 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<18 #	<180 #	<180 #	<9 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<20 M	<200 M	<200 M	<10 M	<200 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<22 M	<220 M	<220 M	<11 M	<220 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<12 M	<120 M	<120 M	<6 M	<120 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<10 M	<100 M	<100 M	<5 M	<100 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<20 M	<200 M	<200 M	<10 M	<200 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<24 M	<240 M	<240 M	<12 M	<240 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<28 M	<280 M	<280 M	<14 M	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<30	<300	<300	<15	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<12 #	<120 #	<120 #	<6 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<24	<240	<240	<12	<240
Naphthalene	<13 µg/kg	TM116		<260 M	<26 M	<260 M	<260 M	<13 M	<260 M

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sample Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	P1TP93	0.20	Soil/Solid	17/01/2014	.	18/01/2014	140118-31	8707997	
			P1TP93	1.10	Soil/Solid	17/01/2014	.	18/01/2014	140118-31	8707998	
			P1TP93	2.00	Soil/Solid	17/01/2014	.	18/01/2014	140118-31	8707999	
			P1TP93	2.10	Soil/Solid	17/01/2014	.	18/01/2014	140118-31	8708000	
			P1TP94	0.20	Soil/Solid	17/01/2014	.	18/01/2014	140118-31	8707995	
			P1TP94	0.90	Soil/Solid	17/01/2014	.	18/01/2014	140118-31	8707996	
			<120 M	<12 M	<120 M	<120 M	<6 M	<120 M			

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP95	P1TP95	P1TP95	P1TP95	P1TP96	P1TP96
			Depth (m)	0.40	1.00	1.90	2.80	0.20	1.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-31	140118-31	140118-31	140118-31	140118-31	140118-31
			Lab Sample No.(s)	8707991	8707992	8707993	8707994	8707987	8707988
			AGS Reference						
Dibromofluoromethane**	%	TM116		103	111	110	110	113	109
Toluene-d8**	%	TM116		89.5	96.6	101	100	97.5	95.8
4-Bromofluorobenzene**	%	TM116		144	125	100	108	125	130
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<8 M	<80 M	<80 M	<8 M	<4 M
Chloromethane	<7 µg/kg	TM116		<140	<14	<140	<140	<14	<7
Vinyl Chloride	<10 µg/kg	TM116		<200	<20	<200	<200	<20	<10
Bromomethane	<13 µg/kg	TM116		<260 M	<26 M	<260 M	<260 M	<26 M	<13 M
Chloroethane	<14 µg/kg	TM116		<280 M	<28 M	<280 M	<280 M	<28 M	<14 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<12 M	<120 M	<120 M	<12 M	<6 M
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<20 #	<200 #	<200 #	<20 #	<10 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<14 M	<140 M	<140 M	<14 M	<7 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<20 #	<200 #	<200 #	<20 #	<10 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<22 M	<220 M	<220 M	<22 M	<11 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 M	<22 M	<220 M	<220 M	<22 M	<11 M
1,1-Dichloroethane	<8 µg/kg	TM116		<160 M	<16 M	<160 M	<160 M	<16 M	<8 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 M	<10 M	<100 M	<100 M	<10 M	<5 M
2,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<24 M	<240 M	<240 M	<24 M	<12 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<28 M	<280 M	<280 M	<28 M	<14 M
Chloroform	<8 µg/kg	TM116		<160 M	<16 M	<160 M	<160 M	<16 M	<8 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 M	<14 M	<140 M	<140 M	<14 M	<7 M
1,1-Dichloropropene	<11 µg/kg	TM116		<220 M	<22 M	<220 M	<220 M	<22 M	<11 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<28 M	<280 M	<280 M	<28 M	<14 M
1,2-Dichloroethane	<5 µg/kg	TM116		<100 M	<10 M	<100 M	<100 M	<10 M	<5 M
Benzene	<9 µg/kg	TM116		<180 M	<18 M	<180 M	<180 M	<18 M	12.6 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<18 M	<180 M	<180 M	<18 M	<9 M
1,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<24 M	<240 M	<240 M	<24 M	<12 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<18 M	<180 M	<180 M	<18 M	<9 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<14 M	<140 M	<140 M	<14 M	<7 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 M	<28 M	<280 M	<280 M	<28 M	<14 M
Toluene	<5 µg/kg	TM116		<100 M	<10 M	<100 M	<100 M	19.9 M	15.5 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<200	<2000	<2000	<200	<100
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 M	<20 M	<200 M	<200 M	<20 M	<10 M

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP95	P1TP95	P1TP95	P1TP95	P1TP96	P1TP96
			Depth (m)	0.40	1.00	1.90	2.80	0.20	1.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-31	140118-31	140118-31	140118-31	140118-31	140118-31
			Lab Sample No.(s)	8707991	8707992	8707993	8707994	8707987	8707988
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<14 #	<140 #	<140 #	<14 #	<7 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<10 M	<100 M	<100 M	<10 M	<5 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<26 M	<260 M	<260 M	<26 M	<13 M
1,2-Dibromoethane	<12 µg/kg	TM116		<240 M	<24 M	<240 M	<240 M	<24 M	<12 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<10 M	<100 M	<100 M	<10 M	<5 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<20 M	<200 M	<200 M	<20 M	<10 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<8 M	<80 M	<80 M	<8 M	<4 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<28 #	<280 #	<280 #	<28 #	<14 #
o-Xylene	<10 µg/kg	TM116		<200 M	<20 M	<200 M	<200 M	<20 M	<10 M
Styrene	<10 µg/kg	TM116		<200 M	<20 M	<200 M	<200 M	<20 M	<10 M
Bromoform	<10 µg/kg	TM116		<200 M	<20 M	<200 M	<200 M	<20 M	<10 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<10 M	<100 M	<100 M	<10 M	<5 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<20 #	<200 #	<200 #	<20 #	<10 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 M	<34 M	<340 M	<340 M	<34 M	<17 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<20 M	<200 M	<200 M	<20 M	<10 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<22 M	<220 M	<220 M	<22 M	<11 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<18 M	<180 M	<180 M	<18 M	<9 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<16 #	<160 #	<160 #	<16 #	<8 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<24 M	<240 M	<240 M	<24 M	<12 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<24 #	<240 #	<240 #	<24 #	<12 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<18 #	<180 #	<180 #	<18 #	<9 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<20 M	<200 M	<200 M	<20 M	<10 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<22 M	<220 M	<220 M	<22 M	<11 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<12 M	<120 M	<120 M	<12 M	<6 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<10 M	<100 M	<100 M	<10 M	<5 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<20 M	<200 M	<200 M	<20 M	<10 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<24 M	<240 M	<240 M	<24 M	<12 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<28 M	<280 M	<280 M	<28 M	<14 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<30	<300	<300	<30	<15
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<12 #	<120 #	<120 #	<12 #	<6 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<24	<240	<240	<24	<12
Naphthalene	<13 µg/kg	TM116		<260 M	<26 M	<260 M	<260 M	<26 M	<13 M

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sample Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	P1TP95	0.40	Soil/Solid	17/01/2014	.	18/01/2014	140118-31	8707991	
										<120 M	
			P1TP95	1.00	Soil/Solid	17/01/2014	.	18/01/2014	140118-31	8707992	
										<12 M	
			P1TP95	1.90	Soil/Solid	17/01/2014	.	18/01/2014	140118-31	8707993	
										<120 M	
			P1TP95	2.80	Soil/Solid	17/01/2014	.	18/01/2014	140118-31	8707994	
										<120 M	
			P1TP96	0.20	Soil/Solid	17/01/2014	.	18/01/2014	140118-31	8707987	
										<12 M	
			P1TP96	1.30	Soil/Solid	17/01/2014	.	18/01/2014	140118-31	8707988	
										<6 M	

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP96	P1TP96	P1TP97	P1TP97	P1TP97	P1TP97
			Depth (m)	2.00	2.40	0.20	1.00	2.20	3.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-31	140118-31	140118-31	140118-31	140118-31	140118-31
			Lab Sample No.(s)	8707989	8707990	8707980	8707981	8707982	8707984
			AGS Reference						
Dibromofluoromethane**	%	TM116		116	97	114	106	101	101
Toluene-d8**	%	TM116		101	88.7	100	94.3	90.6	85.2
4-Bromofluorobenzene**	%	TM116		101	151	102	135	147	174
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<8 M	<8 M	<80 M
Chloromethane	<7 µg/kg	TM116		<140	<140	<140	<14	<14	<140
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<200	<20	<20	<200
Bromomethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<26 M	<26 M	<260 M
Chloroethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<28 M	<28 M	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<12 M	<12 M	<120 M
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<20 #	<20 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<14 M	<14 M	<140 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<20 #	<20 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<22 M	<22 M	<220 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<22 M	<22 M	<220 M
1,1-Dichloroethane	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<16 M	<16 M	<160 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<10 M	<10 M	<100 M
2,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<24 M	<24 M	<240 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<28 M	<28 M	<280 M
Chloroform	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<16 M	<16 M	<160 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<14 M	<14 M	<140 M
1,1-Dichloropropene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<22 M	<22 M	<220 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<28 M	<28 M	<280 M
1,2-Dichloroethane	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<10 M	<10 M	<100 M
Benzene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<18 M	<18 M	<180 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<18 M	26 M	<180 M
1,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<24 M	<24 M	<240 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<18 M	<18 M	<180 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<14 M	<14 M	<140 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<28 M	<28 M	<280 M
Toluene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<10 M	18.8 M	<100 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<2000	<2000	<200	<200	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<20 M	<20 M	<200 M

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP96	P1TP96	P1TP97	P1TP97	P1TP97	P1TP97
			Depth (m)	2.00	2.40	0.20	1.00	2.20	3.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-31	140118-31	140118-31	140118-31	140118-31	140118-31
			Lab Sample No.(s)	8707989	8707990	8707980	8707981	8707982	8707984
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<140 #	<14 #	<14 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<10 M	<10 M	<100 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<26 M	<26 M	<260 M
1,2-Dibromoethane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<24 M	<24 M	<240 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<10 M	<10 M	<100 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<20 M	<20 M	<200 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<8 M	<8 M	<80 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<28 #	<28 #	<280 #
o-Xylene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<20 M	<20 M	<200 M
Styrene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<20 M	<20 M	<200 M
Bromoform	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<20 M	<20 M	<200 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<10 M	<10 M	<100 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<20 #	<20 #	<200 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 M	<340 M	<340 M	<34 M	<34 M	<340 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<20 M	<20 M	<200 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<22 M	<22 M	<220 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<18 M	<18 M	<180 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<160 #	<16 #	<16 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<24 M	<24 M	<240 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<24 #	<24 #	<240 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<180 #	<180 #	<18 #	<18 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<20 M	<20 M	<200 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<22 M	<22 M	<220 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<12 M	<12 M	<120 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<10 M	<10 M	<100 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<20 M	<20 M	<200 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<24 M	<24 M	<240 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<28 M	<28 M	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<300	<30	<30	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<120 #	<12 #	<12 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<240	<24	<24	<240
Naphthalene	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<26 M	<26 M	<260 M

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sample Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	P1TP96	2.00	Soil/Solid	17/01/2014	.	18/01/2014	140118-31	8707989	
			P1TP96	2.40	Soil/Solid	17/01/2014	.	18/01/2014	140118-31	8707990	
			P1TP97	0.20	Soil/Solid	17/01/2014	.	18/01/2014	140118-31	8707980	
			P1TP97	1.00	Soil/Solid	17/01/2014	.	18/01/2014	140118-31	8707981	
			P1TP97	2.20	Soil/Solid	17/01/2014	.	18/01/2014	140118-31	8707982	
			P1TP97	3.10	Soil/Solid	17/01/2014	.	18/01/2014	140118-31	8707984	

1,2,3-Trichlorobenzene	<120 M	<120 M	<120 M	<12 M	<12 M	<120 M

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP97	P1TP97	P1TP98	P1TP98	P1TP98	P1TP98
			Depth (m)	3.80	4.60	0.30	0.90	2.20	3.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-31	140118-31	140118-31	140118-31	140118-31	140118-31
			Lab Sample No.(s)	8707985	8707986	8707977	8707978	8707979	8708002
			AGS Reference						
Dibromofluoromethane**	%	TM116		112	111	115	114	115	116
Toluene-d8**	%	TM116		97.7	97.9	95	95.4	97.4	102
4-Bromofluorobenzene**	%	TM116		112	112	124	126	120	100
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<80 M	<8 M	<8 M	<8 M	<80 M
Chloromethane	<7 µg/kg	TM116		<140	<140	<14	<14	<14	<140
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<20	<20	<20	<200
Bromomethane	<13 µg/kg	TM116		<260 M	<260 M	<26 M	<26 M	<26 M	<260 M
Chloroethane	<14 µg/kg	TM116		<280 M	<280 M	<28 M	<28 M	<28 M	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<120 M	<12 M	<12 M	<12 M	<120 M
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<20 #	<20 #	<20 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<140 M	<14 M	<14 M	<14 M	<140 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #	<20 #	<20 #	<20 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<220 M	<22 M	<22 M	<22 M	<220 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 M	<220 M	<22 M	<22 M	<22 M	<220 M
1,1-Dichloroethane	<8 µg/kg	TM116		<160 M	<160 M	<16 M	<16 M	<16 M	<160 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 M	<100 M	<10 M	<10 M	<10 M	<100 M
2,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<24 M	<24 M	<24 M	<240 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<280 M	<28 M	<28 M	<28 M	<280 M
Chloroform	<8 µg/kg	TM116		<160 M	<160 M	<16 M	<16 M	<16 M	<160 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 M	<140 M	<14 M	<14 M	<14 M	<140 M
1,1-Dichloropropene	<11 µg/kg	TM116		<220 M	<220 M	<22 M	<22 M	<22 M	<220 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<280 M	<28 M	<28 M	<28 M	<280 M
1,2-Dichloroethane	<5 µg/kg	TM116		<100 M	<100 M	<10 M	<10 M	<10 M	<100 M
Benzene	<9 µg/kg	TM116		<180 M	<180 M	<18 M	<18 M	<18 M	<180 M
Trichloroethene	<9 µg/kg	TM116		262 M	<180 M	<18 M	<18 M	<18 M	<180 M
1,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<24 M	<24 M	<24 M	<240 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<180 M	<18 M	<18 M	<18 M	<180 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<140 M	<14 M	<14 M	<14 M	<140 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 M	<280 M	<28 M	<28 M	<28 M	<280 M
Toluene	<5 µg/kg	TM116		<100 M	<100 M	33.8 M	31.2 M	13.8 M	<100 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<2000	<200	<200	<200	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 M	<200 M	<20 M	<20 M	<20 M	<200 M

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP97	P1TP97	P1TP98	P1TP98	P1TP98	P1TP98
			Depth (m)	3.80	4.60	0.30	0.90	2.20	3.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-31	140118-31	140118-31	140118-31	140118-31	140118-31
			Lab Sample No.(s)	8707985	8707986	8707977	8707978	8707979	8708002
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<14 #	<14 #	<14 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<100 M	<10 M	<10 M	<10 M	<100 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<260 M	<26 M	<26 M	<26 M	<260 M
1,2-Dibromoethane	<12 µg/kg	TM116		<240 M	<240 M	<24 M	<24 M	<24 M	<240 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<10 M	<10 M	<10 M	<100 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<200 M	<20 M	<20 M	<20 M	<200 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<80 M	<8 M	<8 M	<8 M	<80 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<28 #	<28 #	<28 #	<280 #
o-Xylene	<10 µg/kg	TM116		<200 M	<200 M	<20 M	<20 M	<20 M	<200 M
Styrene	<10 µg/kg	TM116		<200 M	<200 M	<20 M	<20 M	<20 M	<200 M
Bromoform	<10 µg/kg	TM116		<200 M	<200 M	<20 M	<20 M	<20 M	<200 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<100 M	<10 M	<10 M	<10 M	<100 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<20 #	<20 #	<20 #	<200 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 M	<340 M	<34 M	<34 M	<34 M	<340 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<200 M	<20 M	<20 M	<20 M	<200 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<220 M	<22 M	<22 M	<22 M	<220 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<180 M	<18 M	<18 M	<18 M	<180 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<16 #	<16 #	<16 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<240 M	<24 M	<24 M	<24 M	<240 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<24 #	<24 #	<24 #	<240 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<180 #	<18 #	<18 #	<18 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<20 M	<20 M	<20 M	<200 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<220 M	<22 M	<22 M	<22 M	<220 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<12 M	<12 M	<12 M	<120 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<10 M	<10 M	<10 M	<100 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<20 M	<20 M	<20 M	<200 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<240 M	<24 M	<24 M	<24 M	<240 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<280 M	<28 M	<28 M	<28 M	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<30	<30	<30	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<12 #	<12 #	<12 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<24	<24	<24	<240
Naphthalene	<13 µg/kg	TM116		<260 M	<260 M	<26 M	<26 M	<26 M	<260 M

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sample Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	P1TP97	3.80	Soil/Solid	17/01/2014	.	18/01/2014	140118-31	8707985	
										<120 M	
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	P1TP97	4.60	Soil/Solid	17/01/2014	.	18/01/2014	140118-31	8707986	
										<120 M	
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	P1TP98	0.30	Soil/Solid	17/01/2014	.	18/01/2014	140118-31	8707977	
										<12 M	
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	P1TP98	0.90	Soil/Solid	17/01/2014	.	18/01/2014	140118-31	8707978	
										<12 M	
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	P1TP98	2.20	Soil/Solid	17/01/2014	.	18/01/2014	140118-31	8707979	
										<12 M	
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	P1TP98	3.00	Soil/Solid	17/01/2014	.	18/01/2014	140118-31	8708002	
										<120 M	

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP99	P1TP99	P1TP99	P1TP99	P1TP99	P1TP99
			Depth (m)	0.30	1.40	2.10	3.00	3.90	4.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-31	140118-31	140118-31	140118-31	140118-31	140118-31
			Lab Sample No.(s)	8707969	8707970	8707972	8707973	8707974	8707976
			AGS Reference						
Dibromofluoromethane**	%	TM116		148	110	113	114	123	103
Toluene-d8**	%	TM116		102	99.7	101	97.5	102	87.5
4-Bromofluorobenzene**	%	TM116		98.5	103	106	107	102	161
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
Chloromethane	<7 µg/kg	TM116		<140	<140	<140	<140	<140	<140
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<200	<200	<200	<200
Bromomethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M
Chloroethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
1,1-Dichloroethane	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M	<160 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
2,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Chloroform	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M	<160 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
1,1-Dichloropropene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
1,2-Dichloroethane	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Benzene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
1,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Toluene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<2000	<2000	<2000	<2000	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP99	P1TP99	P1TP99	P1TP99	P1TP99	P1TP99
			Depth (m)	0.30	1.40	2.10	3.00	3.90	4.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-31	140118-31	140118-31	140118-31	140118-31	140118-31
			Lab Sample No.(s)	8707969	8707970	8707972	8707973	8707974	8707976
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<140 #	<140 #	<140 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M
1,2-Dibromoethane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<280 #	<280 #	<280 #
o-Xylene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Styrene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Bromoform	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 M	<340 M	<340 M	<340 M	<340 M	<340 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<160 #	<160 #	<160 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<240 #	<240 #	<240 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<180 #	<180 #	<180 #	<180 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<300	<300	<300	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<120 #	<120 #	<120 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<240	<240	<240	<240
Naphthalene	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sample Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	P1TP99	0.30	Soil/Solid	17/01/2014	.	18/01/2014	140118-31	8707969	
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	P1TP99	1.40	Soil/Solid	17/01/2014	.	18/01/2014	140118-31	8707970	
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	P1TP99	2.10	Soil/Solid	17/01/2014	.	18/01/2014	140118-31	8707972	
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	P1TP99	3.00	Soil/Solid	17/01/2014	.	18/01/2014	140118-31	8707973	
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	P1TP99	3.90	Soil/Solid	17/01/2014	.	18/01/2014	140118-31	8707974	
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	P1TP99	4.60	Soil/Solid	17/01/2014	.	18/01/2014	140118-31	8707976	

Component	P1TP99	P1TP99	P1TP99	P1TP99	P1TP99	P1TP99
1,2,3-Trichlorobenzene	<120 M	<120 M	<120 M	<120 M	<120 M	<120 M

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP100	P1TP100	P1TP101	P1TP101	P1TP101	P1TP101
			Depth (m)	0.20	0.90	0.30	1.20	2.00	3.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-31	140118-31	140118-31	140118-31	140118-31	140118-31
			Lab Sample No.(s)	8708001	8707968	8707960	8707961	8707962	8707963
			AGS Reference						
Dibromofluoromethane**	%	TM116		103	112	114	114	106	111
Toluene-d8**	%	TM116		92.9	98.7	105	101	93.7	94.9
4-Bromofluorobenzene**	%	TM116		140	108	131	100	155	128
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<80 M	<8 M	<80 M	<80 M	<4 M
Chloromethane	<7 µg/kg	TM116		<140	<140	<14	<140	<140	<7
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<20	<200	<200	<10
Bromomethane	<13 µg/kg	TM116		<260 M	<260 M	<26 M	<260 M	<260 M	<13 M
Chloroethane	<14 µg/kg	TM116		<280 M	<280 M	<28 M	<280 M	<280 M	<14 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<120 M	<12 M	<120 M	<120 M	<6 M
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<20 #	<200 #	<200 #	<10 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<140 M	28 M	<140 M	<140 M	<7 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #	<20 #	<200 #	<200 #	<10 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<220 M	<22 M	<220 M	<220 M	<11 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 M	<220 M	<22 M	<220 M	<220 M	<11 M
1,1-Dichloroethane	<8 µg/kg	TM116		<160 M	<160 M	<16 M	<160 M	<160 M	<8 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 M	<100 M	<10 M	<100 M	<100 M	<5 M
2,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<24 M	<240 M	<240 M	<12 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<280 M	<28 M	<280 M	<280 M	<14 M
Chloroform	<8 µg/kg	TM116		<160 M	<160 M	<16 M	<160 M	<160 M	<8 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 M	<140 M	<14 M	<140 M	<140 M	<7 M
1,1-Dichloropropene	<11 µg/kg	TM116		<220 M	<220 M	<22 M	<220 M	<220 M	<11 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<280 M	<28 M	<280 M	<280 M	<14 M
1,2-Dichloroethane	<5 µg/kg	TM116		<100 M	<100 M	<10 M	<100 M	<100 M	<5 M
Benzene	<9 µg/kg	TM116		<180 M	<180 M	<18 M	<180 M	<180 M	<9 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<180 M	<18 M	<180 M	<180 M	<9 M
1,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<24 M	<240 M	<240 M	<12 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<180 M	<18 M	<180 M	<180 M	<9 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<140 M	<14 M	<140 M	<140 M	<7 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 M	<280 M	<28 M	<280 M	<280 M	<14 M
Toluene	<5 µg/kg	TM116		<100 M	<100 M	25.9 M	<100 M	<100 M	7.2 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<2000	<200	<2000	<2000	<100
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 M	<200 M	<20 M	<200 M	<200 M	<10 M

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP100	P1TP100	P1TP101	P1TP101	P1TP101	P1TP101
			Depth (m)	0.20	0.90	0.30	1.20	2.00	3.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-31	140118-31	140118-31	140118-31	140118-31	140118-31
			Lab Sample No.(s)	8708001	8707968	8707960	8707961	8707962	8707963
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<14 #	<140 #	<140 #	<7 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<100 M	<10 M	<100 M	<100 M	<5 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<260 M	<26 M	<260 M	<260 M	<13 M
1,2-Dibromoethane	<12 µg/kg	TM116		<240 M	<240 M	<24 M	<240 M	<240 M	<12 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<10 M	<100 M	<100 M	<5 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<200 M	<20 M	<200 M	<200 M	<10 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<80 M	<8 M	<80 M	<80 M	<4 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<28 #	<280 #	<280 #	<14 #
o-Xylene	<10 µg/kg	TM116		<200 M	<200 M	<20 M	<200 M	<200 M	<10 M
Styrene	<10 µg/kg	TM116		<200 M	<200 M	<20 M	<200 M	<200 M	<10 M
Bromoform	<10 µg/kg	TM116		<200 M	<200 M	<20 M	<200 M	<200 M	<10 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<100 M	<10 M	<100 M	<100 M	<5 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<20 #	<200 #	<200 #	<10 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 M	<340 M	<34 M	<340 M	<340 M	<17 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<200 M	<20 M	<200 M	<200 M	<10 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<220 M	<22 M	<220 M	<220 M	<11 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<180 M	<18 M	<180 M	<180 M	<9 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<16 #	<160 #	<160 #	<8 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<240 M	<24 M	<240 M	<240 M	<12 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<24 #	<240 #	<240 #	<12 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<180 #	<18 #	<180 #	<180 #	<9 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<20 M	<200 M	<200 M	<10 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<220 M	<22 M	<220 M	<220 M	<11 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<12 M	<120 M	<120 M	<6 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<10 M	<100 M	<100 M	<5 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<20 M	<200 M	<200 M	<10 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<240 M	<24 M	<240 M	<240 M	<12 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<280 M	<28 M	<280 M	<280 M	<14 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<30	<300	<300	<15
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<12 #	<120 #	<120 #	<6 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<24	<240	<240	<12
Naphthalene	<13 µg/kg	TM116		<260 M	<260 M	<26 M	<260 M	<260 M	<13 M

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

VOC MS (S)

Results Legend		Customer Sample Ref.	P1TP100	P1TP100	P1TP101	P1TP101	P1TP101	P1TP101
#	ISO17025 accredited.							
M	*m*CERTS accredited.							
aq	Aqueous / settled sample.	Depth (m)	0.20	0.90	0.30	1.20	2.00	3.10
diss.filt	Dissolved / filtered sample.	Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
tot.unfilt	Total / unfiltered sample.	Date Sampled	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014
*	Subcontracted test.	Sample Time	.	.	.	.	.	.
**	% 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	Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
		SDG Ref	140118-31	140118-31	140118-31	140118-31	140118-31	140118-31
(F)	Trigger breach confirmed	Lab Sample No.(s)	8708001	8707968	8707960	8707961	8707962	8707963
1-5&♦§@	Sample deviation (see appendix)	AGS Reference						

Component	LOD/Units	Method						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	<120 M	<120 M	<12 M	<120 M	<120 M	<6 M

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP101	P1TP101	P1TP101	P1TP102	P1TP102	P1TP102
			Depth (m)	4.00	5.00	5.30	0.20	1.00	2.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-31	140118-31	140118-31	140118-31	140118-31	140118-31
			Lab Sample No.(s)	8707964	8707965	8707967	8707953	8707954	8707955
			AGS Reference						
Dibromofluoromethane**	%	TM116		110	112	109	108	109	115
Toluene-d8**	%	TM116		98	96.2	99.7	95.9	97.5	96.8
4-Bromofluorobenzene**	%	TM116		105	122	102	128	124	116
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<8 M	<80 M	<4 M	<8 M	<8 M
Chloromethane	<7 µg/kg	TM116		<140	<14	<140	<7	<14	<14
Vinyl Chloride	<10 µg/kg	TM116		<200	<20	<200	<10	<20	<20
Bromomethane	<13 µg/kg	TM116		<260 M	<26 M	<260 M	<13 M	<26 M	<26 M
Chloroethane	<14 µg/kg	TM116		<280 M	<28 M	<280 M	<14 M	<28 M	<28 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<12 M	<120 M	<6 M	<12 M	<12 M
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<20 #	<200 #	<10 #	<20 #	<20 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<14 M	<140 M	<7 M	<14 M	<14 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<20 #	<200 #	<10 #	<20 #	<20 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<22 M	<220 M	<11 M	<22 M	<22 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 M	<22 M	<220 M	<11 M	<22 M	<22 M
1,1-Dichloroethane	<8 µg/kg	TM116		<160 M	<16 M	<160 M	<8 M	<16 M	<16 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 M	<10 M	<100 M	<5 M	<10 M	<10 M
2,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<24 M	<240 M	<12 M	<24 M	<24 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<28 M	<280 M	<14 M	<28 M	<28 M
Chloroform	<8 µg/kg	TM116		<160 M	<16 M	<160 M	<8 M	<16 M	<16 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 M	<14 M	<140 M	<7 M	<14 M	<14 M
1,1-Dichloropropene	<11 µg/kg	TM116		<220 M	<22 M	<220 M	<11 M	<22 M	<22 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<28 M	<280 M	<14 M	<28 M	<28 M
1,2-Dichloroethane	<5 µg/kg	TM116		<100 M	<10 M	<100 M	<5 M	<10 M	<10 M
Benzene	<9 µg/kg	TM116		<180 M	<18 M	<180 M	11.6 M	<18 M	<18 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<18 M	<180 M	<9 M	<18 M	<18 M
1,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<24 M	<240 M	<12 M	<24 M	<24 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<18 M	<180 M	<9 M	<18 M	<18 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<14 M	<140 M	<7 M	<14 M	<14 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 M	<28 M	<280 M	<14 M	<28 M	<28 M
Toluene	<5 µg/kg	TM116		<100 M	31.7 M	<100 M	23.5 M	28.3 M	35.1 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<200	<2000	<100	<200	<200
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 M	<20 M	<200 M	<10 M	<20 M	<20 M

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP101	P1TP101	P1TP101	P1TP102	P1TP102	P1TP102
			Depth (m)	4.00	5.00	5.30	0.20	1.00	2.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014	17/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014	18/01/2014
			SDG Ref	140118-31	140118-31	140118-31	140118-31	140118-31	140118-31
			Lab Sample No.(s)	8707964	8707965	8707967	8707953	8707954	8707955
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<14 #	<140 #	<7 #	<14 #	<14 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<10 M	<100 M	<5 M	<10 M	<10 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<26 M	<260 M	<13 M	<26 M	<26 M
1,2-Dibromoethane	<12 µg/kg	TM116		<240 M	<24 M	<240 M	<12 M	<24 M	<24 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<10 M	<100 M	<5 M	<10 M	<10 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<20 M	<200 M	<10 M	<20 M	<20 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<8 M	<80 M	<4 M	<8 M	<8 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<28 #	<280 #	<14 #	<28 #	<28 #
o-Xylene	<10 µg/kg	TM116		<200 M	<20 M	<200 M	<10 M	<20 M	<20 M
Styrene	<10 µg/kg	TM116		<200 M	<20 M	<200 M	<10 M	<20 M	<20 M
Bromoform	<10 µg/kg	TM116		<200 M	<20 M	<200 M	<10 M	<20 M	<20 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<10 M	<100 M	<5 M	<10 M	<10 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<20 #	<200 #	<10 #	<20 #	<20 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 M	<34 M	<340 M	<17 M	<34 M	<34 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<20 M	<200 M	<10 M	<20 M	<20 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<22 M	<220 M	<11 M	<22 M	<22 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<18 M	<180 M	<9 M	<18 M	<18 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<16 #	<160 #	<8 #	<16 #	<16 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<24 M	<240 M	<12 M	<24 M	<24 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<24 #	<240 #	<12 #	<24 #	<24 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<18 #	<180 #	<9 #	<18 #	<18 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<20 M	<200 M	<10 M	<20 M	<20 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<22 M	<220 M	<11 M	<22 M	<22 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<12 M	<120 M	<6 M	<12 M	<12 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<10 M	<100 M	<5 M	<10 M	<10 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<20 M	<200 M	<10 M	<20 M	<20 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<24 M	<240 M	<12 M	<24 M	<24 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<28 M	<280 M	<14 M	<28 M	<28 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<30	<300	<15	<30	<30
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<12 #	<120 #	<6 #	<12 #	<12 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<24	<240	<12	<24	<24
Naphthalene	<13 µg/kg	TM116		<260 M	<26 M	<260 M	<13 M	<26 M	<26 M

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sample Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	P1TP101	4.00	Soil/Solid	17/01/2014	.	18/01/2014	140118-31	8707964	
			P1TP101	5.00	Soil/Solid	17/01/2014	.	18/01/2014	140118-31	8707965	
			P1TP101	5.30	Soil/Solid	17/01/2014	.	18/01/2014	140118-31	8707967	
			P1TP102	0.20	Soil/Solid	17/01/2014	.	18/01/2014	140118-31	8707953	
			P1TP102	1.00	Soil/Solid	17/01/2014	.	18/01/2014	140118-31	8707954	
			P1TP102	2.40	Soil/Solid	17/01/2014	.	18/01/2014	140118-31	8707955	

<120 M	<12 M	<120 M
<6 M	<12 M	<12 M

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP102	P1TP102	P1TP102	P1TP102		
			Depth (m)	3.20	4.00	4.90	5.20		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	17/01/2014	17/01/2014	17/01/2014	17/01/2014		
			Sample Time	.	.	.	.		
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014		
			SDG Ref	140118-31	140118-31	140118-31	140118-31		
			Lab Sample No.(s)	8707956	8707957	8707958	8707959		
			AGS Reference						
Dibromofluoromethane**	%	TM116		106	106	98.4	103		
Toluene-d8**	%	TM116		94.1	95.7	101	97.4		
4-Bromofluorobenzene**	%	TM116		135	129	127	137		
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<4 M	<4 M	<80 M		
Chloromethane	<7 µg/kg	TM116		<140	<7	<7	<140		
Vinyl Chloride	<10 µg/kg	TM116		<200	<10	<10	<200		
Bromomethane	<13 µg/kg	TM116		<260 M	<13 M	<13 M	<260 M		
Chloroethane	<14 µg/kg	TM116		<280 M	<14 M	<14 M	<280 M		
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<6 M	<6 M	<120 M		
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<10 #	<10 #	<200 #		
Carbon Disulphide	<7 µg/kg	TM116		<140 M	9.65 M	20.8 M	<140 M		
Dichloromethane	<10 µg/kg	TM116		<200 #	<10 #	<10 #	<200 #		
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<11 M	<11 M	<220 M		
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 M	<11 M	<11 M	<220 M		
1,1-Dichloroethane	<8 µg/kg	TM116		<160 M	<8 M	<8 M	<160 M		
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 M	<5 M	<5 M	<100 M		
2,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<12 M	<12 M	<240 M		
Bromochloromethane	<14 µg/kg	TM116		<280 M	<14 M	<14 M	<280 M		
Chloroform	<8 µg/kg	TM116		<160 M	<8 M	<8 M	<160 M		
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 M	<7 M	<7 M	<140 M		
1,1-Dichloropropene	<11 µg/kg	TM116		<220 M	<11 M	<11 M	<220 M		
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<14 M	<14 M	<280 M		
1,2-Dichloroethane	<5 µg/kg	TM116		<100 M	<5 M	<5 M	<100 M		
Benzene	<9 µg/kg	TM116		<180 M	<9 M	11.3 M	<180 M		
Trichloroethene	<9 µg/kg	TM116		<180 M	<9 M	<9 M	<180 M		
1,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<12 M	<12 M	<240 M		
Dibromomethane	<9 µg/kg	TM116		<180 M	<9 M	<9 M	<180 M		
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<7 M	<7 M	<140 M		
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 M	<14 M	<14 M	<280 M		
Toluene	<5 µg/kg	TM116		<100 M	14.5 M	16.4 M	<100 M		
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<100	<100	<2000		
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 M	<10 M	<10 M	<200 M		

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP102	P1TP102	P1TP102	P1TP102		
			Depth (m)	3.20	4.00	4.90	5.20		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	17/01/2014	17/01/2014	17/01/2014	17/01/2014		
			Sample Time	.	.	.	.		
			Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014		
			SDG Ref	140118-31	140118-31	140118-31	140118-31		
			Lab Sample No.(s)	8707956	8707957	8707958	8707959		
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<7 #	<7 #	<140 #		
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<5 M	<5 M	<100 M		
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<13 M	<13 M	<260 M		
1,2-Dibromoethane	<12 µg/kg	TM116		<240 M	<12 M	<12 M	<240 M		
Chlorobenzene	<5 µg/kg	TM116		<100 M	<5 M	<5 M	<100 M		
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<10 M	<10 M	<200 M		
Ethylbenzene	<4 µg/kg	TM116		<80 M	<4 M	<4 M	<80 M		
p/m-Xylene	<14 µg/kg	TM116		<280 #	<14 #	<14 #	<280 #		
o-Xylene	<10 µg/kg	TM116		<200 M	<10 M	<10 M	<200 M		
Styrene	<10 µg/kg	TM116		<200 M	<10 M	<10 M	<200 M		
Bromoform	<10 µg/kg	TM116		<200 M	<10 M	<10 M	<200 M		
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<5 M	<5 M	<100 M		
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<10 #	<10 #	<200 #		
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 M	<17 M	<17 M	<340 M		
Bromobenzene	<10 µg/kg	TM116		<200 M	<10 M	<10 M	<200 M		
Propylbenzene	<11 µg/kg	TM116		<220 M	<11 M	<11 M	<220 M		
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<9 M	<9 M	<180 M		
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<8 #	<8 #	<160 #		
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<12 M	<12 M	<240 M		
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<12 #	<12 #	<240 #		
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<9 #	<9 #	<180 #		
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<10 M	<10 M	<200 M		
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<11 M	<11 M	<220 M		
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<6 M	<6 M	<120 M		
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<5 M	<5 M	<100 M		
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<10 M	<10 M	<200 M		
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<12 M	<12 M	<240 M		
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<14 M	<14 M	<280 M		
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<15	<15	<300		
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<6 #	<6 #	<120 #		
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<12	<12	<240		
Naphthalene	<13 µg/kg	TM116		<260 M	<13 M	<13 M	<260 M		

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

VOC MS (S)

Results Legend		Customer Sample Ref.	P1TP102	P1TP102	P1TP102	P1TP102		
#	ISO17025 accredited.							
M	*m*CERTS accredited.							
aq	Aqueous / settled sample.	Depth (m)	3.20	4.00	4.90	5.20		
diss.filt	Dissolved / filtered sample.	Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
tot.unfilt	Total / unfiltered sample.	Date Sampled	17/01/2014	17/01/2014	17/01/2014	17/01/2014		
*	Subcontracted test.	Sample Time	.	.	.	.		
**	% 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	Date Received	18/01/2014	18/01/2014	18/01/2014	18/01/2014		
		SDG Ref	140118-31	140118-31	140118-31	140118-31		
(F)	Trigger breach confirmed	Lab Sample No.(s)	8707956	8707957	8707958	8707959		
1-5&♦§@	Sample deviation (see appendix)	AGS Reference						

Component	LOD/Units	Method						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	<120 M	<6 M	<6 M	<120 M		

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

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 Receieved SDG Original Sample Method Number	P1TP93 0.20 SOLID 17/01/2014 00:00:00 140118-31 8707997 TM048	27/01/14	Kevin Bowron	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 Receieved SDG Original Sample Method Number	P1TP93 1.10 SOLID 17/01/2014 00:00:00 140118-31 8707998 TM048	27/01/14	Martin Cotterell	Loose fibres in soil	Not Detected (#)	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP93 2.00 SOLID 17/01/2014 00:00:00 140118-31 8707999 TM048	27/01/14	Paul Poynton	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 Receieved SDG Original Sample Method Number	P1TP93 2.10 SOLID 17/01/2014 00:00:00 140118-31 8708000 TM048	27/01/14	Chris Swindells	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 Receieved SDG Original Sample Method Number	P1TP94 0.20 SOLID 17/01/2014 00:00:00 140118-31 8707995 TM048	27/01/14	Paul Poynton	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG: 140118-31 **Location:** Coed Darcy **Order Number:** CD0598
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294755
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 258109

		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 Receieved SDG Original Sample Method Number	P1TP94 0.90 SOLID 17/01/2014 00:00:00 140118-31 8707996 TM048	27/01/14	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 Receieved SDG Original Sample Method Number	P1TP95 0.40 SOLID 17/01/2014 00:00:00 140118-31 8707991 TM048	27/01/14	Chris Swindells	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 Receieved SDG Original Sample Method Number	P1TP95 1.00 SOLID 17/01/2014 00:00:00 140118-31 8707992 TM048	27/01/14	Chris Swindells	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 Receieved SDG Original Sample Method Number	P1TP95 1.90 SOLID 17/01/2014 00:00:00 140118-31 8707993 TM048	27/01/14	Kevin Bowron	Soil containing loose fibres and material typical of asbestos bitumen	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP95 2.80 SOLID 17/01/2014 00:00:00 140118-31 8707994 TM048	27/01/14	Paul Poynton	Loose fibres in soil	Not Detected (#)	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP96 0.20 SOLID 17/01/2014 00:00:00 140118-31 8707987 TM048	27/01/14	Kevin Bowron	Loose fibres in soil	Not Detected (#)	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG: 140118-31 **Location:** Coed Darcy **Order Number:** CD0598
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294755
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 258109

		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 Receieved SDG Original Sample Method Number	P1TP96 1.30 SOLID 17/01/2014 00:00:00 140118-31 8707988 TM048	27/01/14	Kevin Bowron	Loose fibres in soil	Not Detected (#)	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP96 2.00 SOLID 17/01/2014 00:00:00 140118-31 8707989 TM048	27/01/14	Paul Poynton	Loose fibres in soil	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP96 2.40 SOLID 17/01/2014 00:00:00 140118-31 8707990 TM048	27/01/14	Chris Swindells	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 Receieved SDG Original Sample Method Number	P1TP97 0.20 SOLID 17/01/2014 00:00:00 140118-31 8707980 TM048	27/01/14	Kevin Bowron	Soil containing loose fibres and ACM debris	Not Detected (#)	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP97 1.00 SOLID 17/01/2014 00:00:00 140118-31 8707981 TM048	27/01/14	Chris Swindells	Loose fibres in soil	Not Detected (#)	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP97 2.20 SOLID 17/01/2014 00:00:00 140118-31 8707982 TM048	27/01/14	Paul Poynton	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG: 140118-31 **Location:** Coed Darcy **Order Number:** CD0598
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294755
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 258109

		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 Receieved SDG Original Sample Method Number	P1TP97 3.10 SOLID 17/01/2014 00:00:00 140118-31 8707984 TM048	27/01/14	Chris Swindells	Loose fibres in soil	Not Detected (#)	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP97 3.80 SOLID 17/01/2014 00:00:00 140118-31 8707985 TM048	27/01/14	Chris Swindells	Loose fibres in soil	Detected (#)	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP97 4.60 SOLID 17/01/2014 00:00:00 140118-31 8707986 TM048	27/01/14	Chris Swindells	Loose fibres in soil	Not Detected (#)	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP98 0.30 SOLID 17/01/2014 00:00:00 140118-31 8707977 TM048	27/01/14	Paul Poynton	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 Receieved SDG Original Sample Method Number	P1TP98 0.90 SOLID 17/01/2014 00:00:00 140118-31 8707978 TM048	27/01/14	Kevin Bowron	Loose fibres in soil	Detected (#)	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP98 2.20 SOLID 17/01/2014 00:00:00 140118-31 8707979 TM048	27/01/14	Kevin Bowron	Loose fibres in soil	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG: 140118-31 **Location:** Coed Darcy **Order Number:** CD0598
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294755
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 258109

		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 Receieved SDG Original Sample Method Number	P1TP98 3.00 SOLID 17/01/2014 00:00:00 140118-31 8708002 TM048	27/01/14	Paul Poynton	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 Receieved SDG Original Sample Method Number	P1TP99 0.30 SOLID 17/01/2014 00:00:00 140118-31 8707969 TM048	27/01/14	Paul Poynton	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 Receieved SDG Original Sample Method Number	P1TP99 1.40 SOLID 17/01/2014 00:00:00 140118-31 8707970 TM048	27/01/14	Kevin Bowron	Loose fibres in soil	Not Detected (#)	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP99 2.10 SOLID 17/01/2014 00:00:00 140118-31 8707972 TM048	27/01/14	Chris Swindells	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 Receieved SDG Original Sample Method Number	P1TP99 3.00 SOLID 17/01/2014 00:00:00 140118-31 8707973 TM048	27/01/14	Paul Poynton	Soil containing loose fibres and ACM debris	Trace (#)	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP99 3.90 SOLID 17/01/2014 00:00:00 140118-31 8707974 TM048	27/01/14	Paul Poynton	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG: 140118-31 **Location:** Coed Darcy **Order Number:** CD0598
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294755
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 258109

		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 Receieved SDG Original Sample Method Number	P1TP99 4.60 SOLID 17/01/2014 00:00:00 140118-31 8707976 TM048	27/01/14	Martin Cotterell	Soil containing loose fibres and ACM debris	Not Detected (#)	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP100 0.20 SOLID 17/01/2014 00:00:00 140118-31 8708001 TM048	27/01/14	Paul Poynton	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 Receieved SDG Original Sample Method Number	P1TP100 0.90 SOLID 17/01/2014 00:00:00 140118-31 8707968 TM048	27/01/14	Kevin Bowron	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 Receieved SDG Original Sample Method Number	P1TP101 0.30 SOLID 17/01/2014 00:00:00 140118-31 8707960 TM048	27/01/14	Kevin Bowron	Loose fibres in soil	Not Detected (#)	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP101 1.20 SOLID 17/01/2014 00:00:00 140118-31 8707961 TM048	27/01/14	Kevin Bowron	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 Receieved SDG Original Sample Method Number	P1TP101 2.00 SOLID 17/01/2014 00:00:00 140118-31 8707962 TM048	27/01/14	Kevin Bowron	Soil containing loose fibres and ACM debris	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG: 140118-31 **Location:** Coed Darcy **Order Number:** CD0598
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294755
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 258109

		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 Receieved SDG Original Sample Method Number	P1TP101 3.10 SOLID 17/01/2014 00:00:00 140118-31 8707963 TM048	27/01/14	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 Receieved SDG Original Sample Method Number	P1TP101 4.00 SOLID 17/01/2014 00:00:00 140118-31 8707964 TM048	27/01/14	Kevin Bowron	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 Receieved SDG Original Sample Method Number	P1TP101 5.00 SOLID 17/01/2014 00:00:00 140118-31 8707965 TM048	27/01/14	Kevin Bowron	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 Receieved SDG Original Sample Method Number	P1TP101 5.30 SOLID 17/01/2014 00:00:00 140118-31 8707967 TM048	27/01/14	Paul Poynton	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 Receieved SDG Original Sample Method Number	P1TP102 0.20 SOLID 17/01/2014 00:00:00 140118-31 8707953 TM048	27/01/14	Chris Swindells	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 Receieved SDG Original Sample Method Number	P1TP102 1.00 SOLID 17/01/2014 00:00:00 140118-31 8707954 TM048	27/01/14	Kevin Bowron	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG: 140118-31 **Location:** Coed Darcy **Order Number:** CD0598
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294755
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 258109

		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 Receieved SDG Original Sample Method Number	P1TP102 2.40 SOLID 17/01/2014 00:00:00 140118-31 8707955 TM048	27/01/14	Chris Swindells	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 Receieved SDG Original Sample Method Number	P1TP102 3.20 SOLID 17/01/2014 00:00:00 140118-31 8707956 TM048	27/01/14	Paul Poynton	Loose fibres in soil	Not Detected (#)	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP102 4.00 SOLID 17/01/2014 00:00:00 140118-31 8707957 TM048	27/01/14	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 Receieved SDG Original Sample Method Number	P1TP102 4.90 SOLID 17/01/2014 00:00:00 140118-31 8707958 TM048	27/01/14	Paul Poynton	Loose fibres in soil	Not Detected (#)	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP102 5.20 SOLID 17/01/2014 00:00:00 140118-31 8707959 TM048	27/01/14	Chris Swindells	Loose fibres in soil	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

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)		
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS		
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		
TM157	HP 6890 Gas Chromatograph (GC) system and HP 5973 Mass Selective Detector (MSD).	Determination of SVOC in Soils by GC-MS extracted by sonication in DCM/Acetone		
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		

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

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

Test Completion Dates

Lab Sample No(s)	8707997	8707998	8707999	8708000	8707995	8707996	8707991	8707992	8707993	8707994
Customer Sample Ref.	P1TP93	P1TP93	P1TP93	P1TP93	P1TP94	P1TP94	P1TP95	P1TP95	P1TP95	P1TP95
AGS Ref.										
Depth	0.20	1.10	2.00	2.10	0.20	0.90	0.40	1.00	1.90	2.80
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014
EPH CWG (Aliphatic) GC (S)	27-Jan-2014	24-Jan-2014	24-Jan-2014	24-Jan-2014	24-Jan-2014	27-Jan-2014	24-Jan-2014	27-Jan-2014	27-Jan-2014	27-Jan-2014
EPH CWG (Aromatic) GC (S)	27-Jan-2014	24-Jan-2014	27-Jan-2014	24-Jan-2014	24-Jan-2014	27-Jan-2014	24-Jan-2014	27-Jan-2014	27-Jan-2014	27-Jan-2014
GRO by GC-FID (S)	23-Jan-2014	27-Jan-2014	27-Jan-2014	23-Jan-2014	24-Jan-2014	26-Jan-2014	23-Jan-2014	27-Jan-2014	25-Jan-2014	26-Jan-2014
Metals in solid samples by OES	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014
pH	27-Jan-2014	27-Jan-2014	27-Jan-2014	27-Jan-2014	27-Jan-2014	27-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	27-Jan-2014
Sample description	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014
Semi Volatile Organic Compounds	23-Jan-2014	26-Jan-2014	25-Jan-2014	26-Jan-2014	26-Jan-2014	26-Jan-2014	24-Jan-2014	26-Jan-2014	23-Jan-2014	26-Jan-2014
Total Organic Carbon	29-Jan-2014	28-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	28-Jan-2014	29-Jan-2014	28-Jan-2014	29-Jan-2014	28-Jan-2014
TPH CWG GC (S)	27-Jan-2014	27-Jan-2014	27-Jan-2014	24-Jan-2014	24-Jan-2014	27-Jan-2014	24-Jan-2014	27-Jan-2014	27-Jan-2014	27-Jan-2014
VOC MS (S)	27-Jan-2014	24-Jan-2014	27-Jan-2014	23-Jan-2014	23-Jan-2014	27-Jan-2014	27-Jan-2014	27-Jan-2014	27-Jan-2014	27-Jan-2014

Lab Sample No(s)	8707987	8707988	8707989	8707990	8707980	8707981	8707982	8707984	8707985	8707986
Customer Sample Ref.	P1TP96	P1TP96	P1TP96	P1TP96	P1TP97	P1TP97	P1TP97	P1TP97	P1TP97	P1TP97
AGS Ref.										
Depth	0.20	1.30	2.00	2.40	0.20	1.00	2.20	3.10	3.80	4.60
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014
EPH CWG (Aliphatic) GC (S)	27-Jan-2014	24-Jan-2014	27-Jan-2014	27-Jan-2014	27-Jan-2014	27-Jan-2014	27-Jan-2014	27-Jan-2014	27-Jan-2014	27-Jan-2014
EPH CWG (Aromatic) GC (S)	27-Jan-2014	24-Jan-2014	27-Jan-2014	27-Jan-2014	27-Jan-2014	27-Jan-2014	27-Jan-2014	27-Jan-2014	27-Jan-2014	27-Jan-2014
GRO by GC-FID (S)	26-Jan-2014	25-Jan-2014	27-Jan-2014	25-Jan-2014	26-Jan-2014	23-Jan-2014	25-Jan-2014	25-Jan-2014	25-Jan-2014	26-Jan-2014
Metals in solid samples by OES	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	29-Jan-2014	28-Jan-2014
pH	28-Jan-2014	27-Jan-2014	27-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	27-Jan-2014	28-Jan-2014
Sample description	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014
Semi Volatile Organic Compounds	26-Jan-2014	26-Jan-2014	26-Jan-2014	23-Jan-2014	26-Jan-2014	26-Jan-2014	23-Jan-2014	23-Jan-2014	26-Jan-2014	26-Jan-2014
Total Organic Carbon	28-Jan-2014	29-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014
TPH CWG GC (S)	27-Jan-2014	25-Jan-2014	27-Jan-2014	27-Jan-2014	27-Jan-2014	27-Jan-2014	27-Jan-2014	27-Jan-2014	27-Jan-2014	27-Jan-2014
VOC MS (S)	27-Jan-2014	23-Jan-2014	27-Jan-2014	27-Jan-2014	27-Jan-2014	24-Jan-2014	24-Jan-2014	24-Jan-2014	24-Jan-2014	27-Jan-2014

Lab Sample No(s)	8707977	8707978	8707979	8708002	8707969	8707970	8707972	8707973	8707974	8707976
Customer Sample Ref.	P1TP98	P1TP98	P1TP98	P1TP98	P1TP99	P1TP99	P1TP99	P1TP99	P1TP99	P1TP99
AGS Ref.										
Depth	0.30	0.90	2.20	3.00	0.30	1.40	2.10	3.00	3.90	4.60
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	28-Jan-2014	28-Jan-2014	28-Jan-2014		28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014
EPH CWG (Aliphatic) GC (S)	27-Jan-2014	27-Jan-2014	24-Jan-2014		27-Jan-2014	24-Jan-2014	27-Jan-2014	23-Jan-2014	27-Jan-2014	24-Jan-2014
EPH CWG (Aromatic) GC (S)	27-Jan-2014	27-Jan-2014	24-Jan-2014		27-Jan-2014	24-Jan-2014	27-Jan-2014	23-Jan-2014	27-Jan-2014	24-Jan-2014
GRO by GC-FID (S)	23-Jan-2014	23-Jan-2014	23-Jan-2014		26-Jan-2014	25-Jan-2014	26-Jan-2014	25-Jan-2014	26-Jan-2014	25-Jan-2014
Metals in solid samples by OES	28-Jan-2014	28-Jan-2014	28-Jan-2014		28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014
pH	27-Jan-2014	28-Jan-2014	28-Jan-2014		28-Jan-2014	27-Jan-2014	27-Jan-2014	27-Jan-2014	27-Jan-2014	27-Jan-2014
Sample description	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014
Semi Volatile Organic Compounds	23-Jan-2014	26-Jan-2014	26-Jan-2014		26-Jan-2014	26-Jan-2014	26-Jan-2014	24-Jan-2014	26-Jan-2014	26-Jan-2014
Total Organic Carbon	29-Jan-2014	28-Jan-2014	28-Jan-2014		28-Jan-2014	28-Jan-2014	28-Jan-2014	29-Jan-2014	28-Jan-2014	28-Jan-2014
TPH CWG GC (S)	27-Jan-2014	27-Jan-2014	24-Jan-2014	29-Jan-2014	27-Jan-2014	25-Jan-2014	27-Jan-2014	25-Jan-2014	27-Jan-2014	25-Jan-2014
VOC MS (S)	24-Jan-2014	24-Jan-2014	24-Jan-2014	27-Jan-2014	27-Jan-2014	27-Jan-2014	27-Jan-2014	24-Jan-2014	27-Jan-2014	24-Jan-2014

Lab Sample No(s)	8707968	8708001	8707960	8707961	8707962	8707963	8707964	8707965	8707967	8707953
Customer Sample Ref.	P1TP100	P1TP100	P1TP101	P1TP101	P1TP101	P1TP101	P1TP101	P1TP101	P1TP101	P1TP102
AGS Ref.										
Depth	0.90	0.20	0.30	1.20	2.00	3.10	4.00	5.00	5.30	0.20
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014
EPH CWG (Aliphatic) GC (S)	27-Jan-2014	27-Jan-2014	27-Jan-2014	27-Jan-2014	24-Jan-2014	24-Jan-2014	27-Jan-2014	24-Jan-2014	27-Jan-2014	23-Jan-2014
EPH CWG (Aromatic) GC (S)	29-Jan-2014	27-Jan-2014	27-Jan-2014	27-Jan-2014	24-Jan-2014	24-Jan-2014	27-Jan-2014	24-Jan-2014	27-Jan-2014	23-Jan-2014
GRO by GC-FID (S)	27-Jan-2014	23-Jan-2014	23-Jan-2014	26-Jan-2014	25-Jan-2014	25-Jan-2014	25-Jan-2014	23-Jan-2014	26-Jan-2014	23-Jan-2014
Metals in solid samples by OES	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014
pH	28-Jan-2014	27-Jan-2014	27-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	27-Jan-2014	28-Jan-2014	27-Jan-2014	27-Jan-2014
Sample description	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014
Semi Volatile Organic Compounds	26-Jan-2014	23-Jan-2014	26-Jan-2014	26-Jan-2014	26-Jan-2014	23-Jan-2014	25-Jan-2014	26-Jan-2014	26-Jan-2014	24-Jan-2014
Total Organic Carbon	28-Jan-2014	29-Jan-2014	29-Jan-2014	28-Jan-2014	28-Jan-2014	29-Jan-2014	29-Jan-2014	28-Jan-2014	28-Jan-2014	29-Jan-2014
TPH CWG GC (S)	29-Jan-2014	27-Jan-2014	27-Jan-2014	27-Jan-2014	25-Jan-2014	25-Jan-2014	27-Jan-2014	24-Jan-2014	27-Jan-2014	23-Jan-2014
VOC MS (S)	27-Jan-2014	27-Jan-2014	24-Jan-2014	27-Jan-2014	24-Jan-2014	22-Jan-2014	27-Jan-2014	24-Jan-2014	27-Jan-2014	23-Jan-2014

CERTIFICATE OF ANALYSIS

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

Lab Sample No(s)	8707954	8707955	8707956	8707957	8707958	8707959
Customer Sample Ref.	P1TP102	P1TP102	P1TP102	P1TP102	P1TP102	P1TP102
AGS Ref.						
Depth	1.00	2.40	3.20	4.00	4.90	5.20
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014
EPH CWG (Aliphatic) GC (S)	27-Jan-2014	27-Jan-2014	24-Jan-2014	24-Jan-2014	27-Jan-2014	23-Jan-2014
EPH CWG (Aromatic) GC (S)	27-Jan-2014	29-Jan-2014	24-Jan-2014	24-Jan-2014	27-Jan-2014	23-Jan-2014
GRO by GC-FID (S)	27-Jan-2014	27-Jan-2014	23-Jan-2014	23-Jan-2014	27-Jan-2014	23-Jan-2014
Metals in solid samples by OES	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014
pH	28-Jan-2014	27-Jan-2014	27-Jan-2014	28-Jan-2014	27-Jan-2014	28-Jan-2014
Sample description	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014	21-Jan-2014
Semi Volatile Organic Compounds	26-Jan-2014	26-Jan-2014	26-Jan-2014	26-Jan-2014	26-Jan-2014	26-Jan-2014
Total Organic Carbon	28-Jan-2014	28-Jan-2014	28-Jan-2014	29-Jan-2014	28-Jan-2014	29-Jan-2014
TPH CWG GC (S)	27-Jan-2014	29-Jan-2014	24-Jan-2014	24-Jan-2014	27-Jan-2014	23-Jan-2014
VOC MS (S)	27-Jan-2014	27-Jan-2014	27-Jan-2014	23-Jan-2014	27-Jan-2014	27-Jan-2014

SDG:	140118-31	**Location:**	Coed Darcy	**Order Number:**	CD0598
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294755
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	258109

Appendix

General

1. Results are expressed on a dry weight basis (dried at 35ºC) 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 Dimethyphenol, 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 presevation 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.

ALcontrol Laboratories

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

Attention: Jack Lowrie

CERTIFICATE OF ANALYSIS

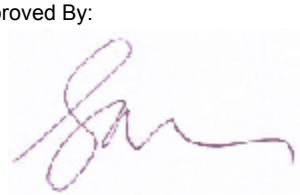
Date:	31 January 2014
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	140122-25
Your Reference:	PHS2-RD
Location:	Coed Darcy
Report No:	258498

We received 26 samples on Wednesday January 22, 2014 and 26 of these samples were scheduled for analysis which was completed on Friday January 31, 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

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Registered Office: Units 7 & 8 Hawarden Business Park, Manor Road, Hawarden, Deeside, CH5 3US. Registered in England and Wales No.

CERTIFICATE OF ANALYSIS

SDG:	140122-25	**Location:**	Coed Darcy	**Order Number:**	CD0599
Job:	H_ATKINS_LDC-202	**Customer:**	Atkins Global Ltd	**Report Number:**	258498
Client Reference:	PHS2-RD	**Attention:**	Jack Lowrie	**Superseded Report:**	

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
8724441	RD103		0.30	20/01/2014
8724442	RD103		0.90	20/01/2014
8724443	RD103		2.00	20/01/2014
8724444	RD103		2.30	20/01/2014
8724446	RD104		0.20	20/01/2014
8724448	RD104		1.10	20/01/2014
8724451	RD104		2.10	20/01/2014
8724452	RD104		2.40	20/01/2014
8724455	RD105		0.20	20/01/2014
8724457	RD105		1.00	20/01/2014
8724458	RD105		1.10	20/01/2014
8724459	RD106		0.20	20/01/2014
8724460	RD106		1.20	20/01/2014
8724461	RD106		1.80	20/01/2014
8724462	RD107		0.20	20/01/2014
8724463	RD107		1.00	20/01/2014
8724464	RD107		2.30	20/01/2014
8724465	RD107		3.00	20/01/2014
8724466	RD107		3.80	20/01/2014
8724467	RD108		0.30	20/01/2014
8724468	RD108		1.00	20/01/2014
8724470	RD108		2.10	20/01/2014
8724471	RD108		3.20	20/01/2014
8724473	RD108		3.80	20/01/2014
8724474	RD109		0.20	20/01/2014
8724475	RD109		0.80	20/01/2014

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

SDG: 140122-25
Job: H_ATKINS_LDC-202
Client Reference: PHS2-RD
Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Jack Lowrie
Order Number: CD0599
Report Number: 258498
Superseded Report:

SOLID

Results Legend

- **X** Test
- **N** No Determination Possible

Lab Sample No(s)			8724441			8724442			8724443			8724444			8724446			8724448			8724451			8724452			8724455			8724457			8724458			8724459			8724460			8724461
Customer Sample Reference			RD103			RD103			RD103			RD103			RD104			RD104			RD104			RD104			RD105			RD105			RD105			RD106			RD106			RD106
AGS Reference																																											
Depth (m)			0.30			0.90			2.00			2.30			0.20			1.10			2.10			2.40			0.20			1.00			1.10			0.20			1.20			1.80
Container			250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 26		X			X			X			X			X			X			X			X			X			X			X			X			X		
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 26	X			X			X			X			X			X			X			X			X			X			X			X			X			X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 26	X			X			X			X			X			X			X			X			X			X			X			X			X			X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 26			X			X			X			X			X			X			X			X			X			X			X			X			X	
Metals in solid samples by OES	All	NDPs: 0 Tests: 26	X			X			X			X			X			X			X			X			X			X			X			X			X			X
pH	All	NDPs: 0 Tests: 26		X			X			X			X			X			X			X			X			X			X			X			X			X		
Sample description	All	NDPs: 0 Tests: 26	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 26	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Total Organic Carbon	All	NDPs: 0 Tests: 26	X			X			X			X			X			X			X			X			X			X			X			X			X			X
TPH CWG GC (S)	All	NDPs: 0 Tests: 26	X			X			X			X			X			X			X			X			X			X			X			X			X			X
VOC MS (S)	All	NDPs: 0 Tests: 26			X			X			X			X			X			X			X			X			X			X			X			X			X	

CERTIFICATE OF ANALYSIS

SDG:	140122-25	**Location:**	Coed Darcy	**Order Number:**	CD0599
Job:	H_ATKINS_LDC-202	**Customer:**	Atkins Global Ltd	**Report Number:**	258498
Client Reference:	PHS2-RD	**Attention:**	Jack Lowrie	**Superseded Report:**	

SOLID

Results Legend

- **X** Test
- **N** No Determination Possible

Lab Sample No(s)			8724461		8724462			8724463			8724464			8724465			8724466			8724467			8724468			8724470			8724471			8724473			8724474			8724475		
Customer Sample Reference			RD106		RD107			RD107			RD107			RD107			RD107			RD108			RD108			RD108			RD108			RD108			RD109			RD109		
AGS Reference																																								
Depth (m)			1.80		0.20			1.00			2.30			3.00			3.80			0.30			1.00			2.10			3.20			3.80			0.20			0.80		
Container			400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 26	X			X			X			X			X			X			X			X			X			X			X			X			X	
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 26			X			X			X			X			X			X			X			X			X			X			X			X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 26			X			X			X			X			X			X			X			X			X			X			X			X		
GRO by GC-FID (S)	All	NDPs: 0 Tests: 26		X			X			X			X			X			X			X			X			X			X			X			X			X
Metals in solid samples by OES	All	NDPs: 0 Tests: 26			X			X			X			X			X			X			X			X			X			X			X			X		
pH	All	NDPs: 0 Tests: 26	X			X			X			X			X			X			X			X			X			X			X			X			X	
Sample description	All	NDPs: 0 Tests: 26			X			X			X			X			X			X			X			X			X			X			X			X		
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 26			X			X			X			X			X			X			X			X			X			X			X			X		
Total Organic Carbon	All	NDPs: 0 Tests: 26			X			X			X			X			X			X			X			X			X			X			X			X		
TPH CWG GC (S)	All	NDPs: 0 Tests: 26			X			X			X			X			X			X			X			X			X			X			X			X		
VOC MS (S)	All	NDPs: 0 Tests: 26		X			X			X			X			X			X			X			X			X			X			X			X			X

CERTIFICATE OF ANALYSIS

SDG:	140122-25	**Location:**	Coed Darcy	**Order Number:**	CD0599
Job:	H_ATKINS_LDC-202	**Customer:**	Atkins Global Ltd	**Report Number:**	258498
Client Reference:	PHS2-RD	**Attention:**	Jack Lowrie	**Superseded Report:**	

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
8724441	RD103	0.30	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8724442	RD103	0.90	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8724443	RD103	2.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Oil/Petroleum
8724444	RD103	2.30	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	Oil/Petroleum
8724446	RD104	0.20	Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones	Brick
8724448	RD104	1.10	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8724451	RD104	2.10	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8724452	RD104	2.40	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8724455	RD105	0.20	Dark Brown	Stone/Soil	> 10 mm	Stones	None
8724457	RD105	1.00	Dark Brown	Stone/Soil	> 10 mm	Stones	None
8724458	RD105	1.10	Dark Brown	Stone/Soil	> 10 mm	Stones	None
8724459	RD106	0.20	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
8724460	RD106	1.20	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8724461	RD106	1.80	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8724462	RD107	0.20	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8724463	RD107	1.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Brick
8724464	RD107	2.30	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8724465	RD107	3.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8724466	RD107	3.80	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	None
8724467	RD108	0.30	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
8724468	RD108	1.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8724470	RD108	2.10	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8724471	RD108	3.20	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8724473	RD108	3.80	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8724474	RD109	0.20	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
8724475	RD109	0.80	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None

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 ocurring 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.

CERTIFICATE OF ANALYSIS

SDG:	140122-25	**Location:**	Coed Darcy	**Order Number:**	CD0599
Job:	H_ATKINS_LDC-202	**Customer:**	Atkins Global Ltd	**Report Number:**	258498
Client Reference:	PHS2-RD	**Attention:**	Jack Lowrie	**Superseded Report:**	

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	RD103	RD103	RD103	RD103	RD104	RD104
			Depth (m)	0.30	0.90	2.00	2.30	0.20	1.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014
			SDG Ref	140122-25	140122-25	140122-25	140122-25	140122-25	140122-25
			Lab Sample No.(s)	8724441	8724442	8724443	8724444	8724446	8724448
			AGS Reference						
Moisture Content Ratio	%	PM024		11	14	13	15	17	10
Soil Organic Matter (SOM)	<0.35 %	TM132		2.28 #	2.91 #	2.64 #	3.52 #	1.86 #	2.31 #
pH	1 pH Units	TM133		7.12 M	7.59 M	7.77 M	7.3 M	8.43 M	7.88 M
Arsenic	<0.6 mg/kg	TM181		15.7 M	15.4 M	32.5 M	13.3 M	22.4 M	13.6 M
Cadmium	<0.02 mg/kg	TM181		0.192 M	0.278 M	0.756 M	0.367 M	2.38 M	0.112 M
Chromium	<0.9 mg/kg	TM181		14.7 M	14.7 M	14.6 M	12.5 M	23.9 M	13.9 M
Copper	<1.4 mg/kg	TM181		40.9 M	47.3 M	93.4 M	34.9 M	23.3 M	34 M
Lead	<0.7 mg/kg	TM181		24.1 M	50.9 M	39.6 M	29.9 M	100 M	41.1 M
Mercury	<0.14 mg/kg	TM181		0.312 M	0.346 M	0.241 M	0.397 M	<0.14 M	0.476 M
Nickel	<0.2 mg/kg	TM181		23.9 M	20.7 M	20.2 M	19.3 M	29.8 M	27 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	3.88 #	<1 #
Vanadium	<0.2 mg/kg	TM181		18 #	18.8 #	17.8 #	16.5 #	48 #	17.2 #
Zinc	<1.9 mg/kg	TM181		94.4 M	102 M	135 M	96.6 M	573 M	113 M

CERTIFICATE OF ANALYSIS

SDG:	140122-25	**Location:**	Coed Darcy	**Order Number:**	CD0599
Job:	H_ATKINS_LDC-202	**Customer:**	Atkins Global Ltd	**Report Number:**	258498
Client Reference:	PHS2-RD	**Attention:**	Jack Lowrie	**Superseded Report:**	

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	RD104	RD104	RD105	RD105	RD105	RD106
			Depth (m)	2.10	2.40	0.20	1.00	1.10	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014
			SDG Ref	140122-25	140122-25	140122-25	140122-25	140122-25	140122-25
			Lab Sample No.(s)	8724451	8724452	8724455	8724457	8724458	8724459
			AGS Reference						
Moisture Content Ratio	%	PM024		10	6.6	4.8	5.6	5.1	13
Soil Organic Matter (SOM)	<0.35 %	TM132		3.36 #	1.91 #	0.996 #	0.886 #	0.924 #	4.78 #
pH	1 pH Units	TM133		8.03 M	7.93 M	5.66 M	5.22 #	5.7 #	7.69 M
Arsenic	<0.6 mg/kg	TM181		21.5 M	12.9 M	32.3 #	7.9 #	10.5 #	26 M
Cadmium	<0.02 mg/kg	TM181		0.459 M	0.172 M	0.718 #	0.451 #	<0.02 #	0.752 M
Chromium	<0.9 mg/kg	TM181		14.8 M	14.4 M	18.1 #	15.7 #	14.9 #	14.3 M
Copper	<1.4 mg/kg	TM181		53.2 M	30.3 M	88.3 #	10.3 #	12.3 #	65.6 M
Lead	<0.7 mg/kg	TM181		56.3 M	28.1 M	156 #	14.9 #	18.1 #	192 M
Mercury	<0.14 mg/kg	TM181		2.61 M	0.19 M	0.687 #	<0.14 #	<0.14 #	0.845 M
Nickel	<0.2 mg/kg	TM181		26.8 M	35.3 M	29.3 #	36.5 #	36 #	25.8 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		18.5 #	15.1 #	23.4 #	14.2 #	14.8 #	17.8 #
Zinc	<1.9 mg/kg	TM181		151 M	114 M	345 #	72.9 #	80.6 #	380 M

CERTIFICATE OF ANALYSIS

SDG:	140122-25	**Location:**	Coed Darcy	**Order Number:**	CD0599
Job:	H_ATKINS_LDC-202	**Customer:**	Atkins Global Ltd	**Report Number:**	258498
Client Reference:	PHS2-RD	**Attention:**	Jack Lowrie	**Superseded Report:**	

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	RD106	RD106	RD107	RD107	RD107	RD107
			Depth (m)	1.20	1.80	0.20	1.00	2.30	3.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014
			SDG Ref	140122-25	140122-25	140122-25	140122-25	140122-25	140122-25
			Lab Sample No.(s)	8724460	8724461	8724462	8724463	8724464	8724465
			AGS Reference						
Moisture Content Ratio	%	PM024		10	10	13	11	13	13
Soil Organic Matter (SOM)	<0.35 %	TM132		2.84 #	2.83 #	3.31 #	3.15 #	5.31 #	3.29 #
pH	1 pH Units	TM133		7.77 M	7.67 M	8.1 M	7.85 M	8.05 M	7.83 M
Arsenic	<0.6 mg/kg	TM181		14.5 M	13.8 M	22.4 M	32.6 M	25.4 M	7.53 M
Cadmium	<0.02 mg/kg	TM181		0.193 M	0.117 M	0.419 M	0.739 M	0.255 M	<0.02 M
Chromium	<0.9 mg/kg	TM181		15.6 M	13.8 M	16.5 M	15.1 M	14.7 M	13.3 M
Copper	<1.4 mg/kg	TM181		31.5 M	25.6 M	61.9 M	81.7 M	54.8 M	4.94 M
Lead	<0.7 mg/kg	TM181		30.2 M	48 M	79.9 M	208 M	40.1 M	11.9 M
Mercury	<0.14 mg/kg	TM181		0.239 M	0.193 M	0.744 M	0.737 M	0.217 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		26.3 M	22.9 M	26.6 M	28.1 M	26.6 M	31.8 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		17.8 #	21.1 #	22.3 #	19.5 #	19.6 #	12.4 #
Zinc	<1.9 mg/kg	TM181		89.4 M	98.8 M	240 M	668 M	478 M	63.8 M

CERTIFICATE OF ANALYSIS

SDG:	140122-25	**Location:**	Coed Darcy	**Order Number:**	CD0599
Job:	H_ATKINS_LDC-202	**Customer:**	Atkins Global Ltd	**Report Number:**	258498
Client Reference:	PHS2-RD	**Attention:**	Jack Lowrie	**Superseded Report:**	

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	RD107	RD108	RD108	RD108	RD108	RD108
			Depth (m)	3.80	0.30	1.00	2.10	3.20	3.80
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014
			SDG Ref	140122-25	140122-25	140122-25	140122-25	140122-25	140122-25
			Lab Sample No.(s)	8724466	8724467	8724468	8724470	8724471	8724473
			AGS Reference						
Moisture Content Ratio	%	PM024		15	13	9.4	9.5	8.1	8.3
Soil Organic Matter (SOM)	<0.35 %	TM132		3.03 #	2.36 #	2.1 #	2.31 #	1.91 #	2.05 #
pH	1 pH Units	TM133		8.07 M	8.22 M	8.27 M	8.37 M	8.16 M	8.04 M
Arsenic	<0.6 mg/kg	TM181		24 M	27.5 M	16.2 M	20.9 M	13.5 M	12.6 M
Cadmium	<0.02 mg/kg	TM181		0.869 M	0.467 M	0.368 M	0.388 M	0.146 M	0.639 M
Chromium	<0.9 mg/kg	TM181		18.6 M	17.4 M	21.3 M	18.4 M	17.5 M	16.4 M
Copper	<1.4 mg/kg	TM181		58.4 M	78.5 M	110 M	63.1 M	31.4 M	28 M
Lead	<0.7 mg/kg	TM181		88.4 M	182 M	90.9 M	120 M	57.2 M	53.3 M
Mercury	<0.14 mg/kg	TM181		0.693 M	0.358 M	0.449 M	0.322 M	0.245 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		25.2 M	36.3 M	90.8 M	36.1 M	41.3 M	38.9 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		23.9 #	19.8 #	18.8 #	18.2 #	18.1 #	16.6 #
Zinc	<1.9 mg/kg	TM181		344 M	394 M	209 M	337 M	183 M	155 M

CERTIFICATE OF ANALYSIS

SDG:	140122-25	**Location:**	Coed Darcy	**Order Number:**	CD0599
Job:	H_ATKINS_LDC-202	**Customer:**	Atkins Global Ltd	**Report Number:**	258498
Client Reference:	PHS2-RD	**Attention:**	Jack Lowrie	**Superseded Report:**	

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R							
			RD109	RD109						
Depth (m)			0.20	0.80						
Sample Type			Soil/Solid	Soil/Solid						
Date Sampled			20/01/2014	20/01/2014						
Sample Time			.	.						
Date Received			22/01/2014	22/01/2014						
SDG Ref			140122-25	140122-25						
Lab Sample No.(s)			8724474	8724475						
AGS Reference										
Moisture Content Ratio	%	PM024	7.9	8.5						
Soil Organic Matter (SOM)	<0.35 %	TM132	1.33 #	1.09 #						
pH	1 pH Units	TM133	8.22 M	8.22 M						
Arsenic	<0.6 mg/kg	TM181	6.87 M	10.9 M						
Cadmium	<0.02 mg/kg	TM181	0.456 M	0.579 M						
Chromium	<0.9 mg/kg	TM181	17.2 M	20.4 M						
Copper	<1.4 mg/kg	TM181	21.1 M	25.3 M						
Lead	<0.7 mg/kg	TM181	21.3 M	31.2 M						
Mercury	<0.14 mg/kg	TM181	<0.14 M	<0.14 M						
Nickel	<0.2 mg/kg	TM181	39 M	40.2 M						
Selenium	<1 mg/kg	TM181	<1 #	<1 #						
Vanadium	<0.2 mg/kg	TM181	15.6 #	19.5 #						
Zinc	<1.9 mg/kg	TM181	90.5 M	109 M						

CERTIFICATE OF ANALYSIS

SDG:	140122-25	**Location:**	Coed Darcy	**Order Number:**	CD0599
Job:	H_ATKINS_LDC-202	**Customer:**	Atkins Global Ltd	**Report Number:**	258498
Client Reference:	PHS2-RD	**Attention:**	Jack Lowrie	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	RD103	RD103	RD103	RD103	RD104	RD104
			Depth (m)	0.30	0.90	2.00	2.30	0.20	1.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014
			SDG Ref	140122-25	140122-25	140122-25	140122-25	140122-25	140122-25
			Lab Sample No.(s)	8724441	8724442	8724443	8724444	8724446	8724448
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140122-25	**Location:**	Coed Darcy	**Order Number:**	CD0599
Job:	H_ATKINS_LDC-202	**Customer:**	Atkins Global Ltd	**Report Number:**	258498
Client Reference:	PHS2-RD	**Attention:**	Jack Lowrie	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	RD103	RD103	RD103	RD103	RD104	RD104
			Depth (m)	0.30	0.90	2.00	2.30	0.20	1.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014
			SDG Ref	140122-25	140122-25	140122-25	140122-25	140122-25	140122-25
			Lab Sample No.(s)	8724441	8724442	8724443	8724444	8724446	8724448
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		320	173	315	314	<100	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		127	177	322	612	<100	<100
Benzo(b)fluoranthene	<100 µg/kg	TM157		<100	174	319	749	<100	<100
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	131	246	534	<100	<100
Benzo(a)pyrene	<100 µg/kg	TM157		<100	177	369	641	<100	<100
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	123	256	361	<100	<100
Chrysene	<100 µg/kg	TM157		219	253	453	898	<100	161
Fluoranthene	<100 µg/kg	TM157		152	226	405	800	<100	140
Fluorene	<100 µg/kg	TM157		<100	<100	<100	130	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	<100	195	335	<100	<100
Phenanthrene	<100 µg/kg	TM157		415	374	354	335	<100	139
Pyrene	<100 µg/kg	TM157		256	279	507	843	<100	148
Naphthalene	<100 µg/kg	TM157		<100	<100	206	184	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	153	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140122-25	**Location:**	Coed Darcy	**Order Number:**	CD0599
Job:	H_ATKINS_LDC-202	**Customer:**	Atkins Global Ltd	**Report Number:**	258498
Client Reference:	PHS2-RD	**Attention:**	Jack Lowrie	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	RD104	RD104	RD105	RD105	RD105	RD106
			Depth (m)	2.10	2.40	0.20	1.00	1.10	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014
			SDG Ref	140122-25	140122-25	140122-25	140122-25	140122-25	140122-25
			Lab Sample No.(s)	8724451	8724452	8724455	8724457	8724458	8724459
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	178	138	<100	<100
Carbazole	<100 µg/kg	TM157		<100	124	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140122-25	**Location:**	Coed Darcy	**Order Number:**	CD0599
Job:	H_ATKINS_LDC-202	**Customer:**	Atkins Global Ltd	**Report Number:**	258498
Client Reference:	PHS2-RD	**Attention:**	Jack Lowrie	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	RD104	RD104	RD105	RD105	RD105	RD106
			Depth (m)	2.10	2.40	0.20	1.00	1.10	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014
			SDG Ref	140122-25	140122-25	140122-25	140122-25	140122-25	140122-25
			Lab Sample No.(s)	8724451	8724452	8724455	8724457	8724458	8724459
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		170	228	714	473	425	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		123	<100	<100	<100	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		578	627	<100	<100	<100	<100
Benzo(b)fluoranthene	<100 µg/kg	TM157		446	413	<100	<100	<100	143
Benzo(k)fluoranthene	<100 µg/kg	TM157		266	224	<100	<100	<100	<100
Benzo(a)pyrene	<100 µg/kg	TM157		420	405	<100	<100	<100	125
Benzo(g,h,i)perylene	<100 µg/kg	TM157		332	210	<100	<100	<100	<100
Chrysene	<100 µg/kg	TM157		1260	1640	<100	<100	<100	187
Fluoranthene	<100 µg/kg	TM157		528	379	<100	<100	<100	139
Fluorene	<100 µg/kg	TM157		138	113	299	249	250	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		251	169	<100	<100	<100	<100
Phenanthrene	<100 µg/kg	TM157		952	882	506	407	416	123
Pyrene	<100 µg/kg	TM157		873	781	121	<100	157	145
Naphthalene	<100 µg/kg	TM157		<100	165	436	334	301	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		131	142	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140122-25	**Location:**	Coed Darcy	**Order Number:**	CD0599
Job:	H_ATKINS_LDC-202	**Customer:**	Atkins Global Ltd	**Report Number:**	258498
Client Reference:	PHS2-RD	**Attention:**	Jack Lowrie	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	RD106	RD106	RD107	RD107	RD107	RD107
			Depth (m)	1.20	1.80	0.20	1.00	2.30	3.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014
			SDG Ref	140122-25	140122-25	140122-25	140122-25	140122-25	140122-25
			Lab Sample No.(s)	8724460	8724461	8724462	8724463	8724464	8724465
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		171	158	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		247	<100	<100	151	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140122-25	**Location:**	Coed Darcy	**Order Number:**	CD0599
Job:	H_ATKINS_LDC-202	**Customer:**	Atkins Global Ltd	**Report Number:**	258498
Client Reference:	PHS2-RD	**Attention:**	Jack Lowrie	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	RD106	RD106	RD107	RD107	RD107	RD107
			Depth (m)	1.20	1.80	0.20	1.00	2.30	3.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014
			SDG Ref	140122-25	140122-25	140122-25	140122-25	140122-25	140122-25
			Lab Sample No.(s)	8724460	8724461	8724462	8724463	8724464	8724465
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		127	255	<100	274	220	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		188	123	<100	<100	<100	138
Anthracene	<100 µg/kg	TM157		441	181	162	153	162	135
Benzo(a)anthracene	<100 µg/kg	TM157		2090	416	843	773	861	560
Benzo(b)fluoranthene	<100 µg/kg	TM157		2170	334	659	692	767	480
Benzo(k)fluoranthene	<100 µg/kg	TM157		1590	270	581	497	561	427
Benzo(a)pyrene	<100 µg/kg	TM157		1880	353	698	685	724	556
Benzo(g,h,i)perylene	<100 µg/kg	TM157		1050	182	348	476	485	316
Chrysene	<100 µg/kg	TM157		2440	498	952	1270	1290	699
Fluoranthene	<100 µg/kg	TM157		3150	890	1350	990	1140	952
Fluorene	<100 µg/kg	TM157		297	199	<100	123	128	119
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		963	169	351	427	437	271
Phenanthrene	<100 µg/kg	TM157		2030	974	610	1440	1040	857
Pyrene	<100 µg/kg	TM157		2100	678	1080	1100	1160	829
Naphthalene	<100 µg/kg	TM157		136	322	<100	167	128	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		396	<100	125	150	174	<100

CERTIFICATE OF ANALYSIS

SDG:	140122-25	**Location:**	Coed Darcy	**Order Number:**	CD0599
Job:	H_ATKINS_LDC-202	**Customer:**	Atkins Global Ltd	**Report Number:**	258498
Client Reference:	PHS2-RD	**Attention:**	Jack Lowrie	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	RD107	RD108	RD108	RD108	RD108	RD108
			Depth (m)	3.80	0.30	1.00	2.10	3.20	3.80
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014
			SDG Ref	140122-25	140122-25	140122-25	140122-25	140122-25	140122-25
			Lab Sample No.(s)	8724466	8724467	8724468	8724470	8724471	8724473
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	228	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		176	<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		304	<100	<100	<100	<100	206
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140122-25	**Location:**	Coed Darcy	**Order Number:**	CD0599
Job:	H_ATKINS_LDC-202	**Customer:**	Atkins Global Ltd	**Report Number:**	258498
Client Reference:	PHS2-RD	**Attention:**	Jack Lowrie	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	RD107	RD108	RD108	RD108	RD108	RD108
			Depth (m)	3.80	0.30	1.00	2.10	3.20	3.80
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014
			SDG Ref	140122-25	140122-25	140122-25	140122-25	140122-25	140122-25
			Lab Sample No.(s)	8724466	8724467	8724468	8724470	8724471	8724473
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		144	<100	<100	<100	<100	123
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		290	<100	<100	<100	<100	129
Anthracene	<100 µg/kg	TM157		391	<100	<100	<100	<100	295
Benzo(a)anthracene	<100 µg/kg	TM157		1270	<100	140	144	186	879
Benzo(b)fluoranthene	<100 µg/kg	TM157		1050	<100	112	126	152	634
Benzo(k)fluoranthene	<100 µg/kg	TM157		844	<100	<100	<100	124	563
Benzo(a)pyrene	<100 µg/kg	TM157		1040	<100	133	142	143	672
Benzo(g,h,i)perylene	<100 µg/kg	TM157		465	<100	<100	<100	114	332
Chrysene	<100 µg/kg	TM157		1330	170	270	190	228	875
Fluoranthene	<100 µg/kg	TM157		2280	130	178	189	303	1340
Fluorene	<100 µg/kg	TM157		297	<100	<100	<100	<100	160
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		442	<100	<100	<100	<100	321
Phenanthrene	<100 µg/kg	TM157		1890	<100	153	122	244	1090
Pyrene	<100 µg/kg	TM157		1580	139	225	187	303	1040
Naphthalene	<100 µg/kg	TM157		435	<100	<100	<100	<100	175
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		174	<100	<100	<100	<100	118

CERTIFICATE OF ANALYSIS

SDG:	140122-25	**Location:**	Coed Darcy	**Order Number:**	CD0599
Job:	H_ATKINS_LDC-202	**Customer:**	Atkins Global Ltd	**Report Number:**	258498
Client Reference:	PHS2-RD	**Attention:**	Jack Lowrie	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	RD109	RD109				
			Depth (m)	0.20	0.80				
			Sample Type	Soil/Solid	Soil/Solid				
			Date Sampled	20/01/2014	20/01/2014				
			Sample Time	.	.				
			Date Received	22/01/2014	22/01/2014				
			SDG Ref	140122-25	140122-25				
			Lab Sample No.(s)	8724474	8724475				
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100				
Pentachlorophenol	<100 µg/kg	TM157		<100	<100				
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100				
Nitrobenzene	<100 µg/kg	TM157		<100	<100				
Isophorone	<100 µg/kg	TM157		<100	<100				
Hexachloroethane	<100 µg/kg	TM157		<100	<100				
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100				
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100				
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100				
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100				
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100				
Diethyl phthalate	<100 µg/kg	TM157		<100	<100				
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100				
Dibenzofuran	<100 µg/kg	TM157		<100	<100				
Carbazole	<100 µg/kg	TM157		<100	<100				
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100				
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100				
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100				
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100				
Azobenzene	<100 µg/kg	TM157		<100	<100				
4-Nitrophenol	<100 µg/kg	TM157		<100	<100				
4-Nitroaniline	<100 µg/kg	TM157		<100	<100				
4-Methylphenol	<100 µg/kg	TM157		<100	<100				
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100				
4-Chloroaniline	<100 µg/kg	TM157		<100	<100				
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100				
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100				
3-Nitroaniline	<100 µg/kg	TM157		<100	<100				
2-Nitrophenol	<100 µg/kg	TM157		<100	<100				
2-Nitroaniline	<100 µg/kg	TM157		<100	<100				
2-Methylphenol	<100 µg/kg	TM157		<100	<100				
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100				

CERTIFICATE OF ANALYSIS

SDG:	140122-25	**Location:**	Coed Darcy	**Order Number:**	CD0599
Job:	H_ATKINS_LDC-202	**Customer:**	Atkins Global Ltd	**Report Number:**	258498
Client Reference:	PHS2-RD	**Attention:**	Jack Lowrie	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	RD109	RD109				
			Depth (m)	0.20	0.80				
			Sample Type	Soil/Solid	Soil/Solid				
			Date Sampled	20/01/2014	20/01/2014				
			Sample Time	.	.				
			Date Received	22/01/2014	22/01/2014				
			SDG Ref	140122-25	140122-25				
			Lab Sample No.(s)	8724474	8724475				
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100				
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100				
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100				
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100				
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100				
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100				
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100				
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100				
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100				
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100				
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100				
2-Methylnaphthalene	<100 µg/kg	TM157		111	153				
Acenaphthylene	<100 µg/kg	TM157		<100	<100				
Acenaphthene	<100 µg/kg	TM157		<100	<100				
Anthracene	<100 µg/kg	TM157		<100	<100				
Benzo(a)anthracene	<100 µg/kg	TM157		<100	<100				
Benzo(b)fluoranthene	<100 µg/kg	TM157		<100	<100				
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	<100				
Benzo(a)pyrene	<100 µg/kg	TM157		<100	<100				
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	<100				
Chrysene	<100 µg/kg	TM157		120	177				
Fluoranthene	<100 µg/kg	TM157		<100	116				
Fluorene	<100 µg/kg	TM157		<100	<100				
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	<100				
Phenanthrene	<100 µg/kg	TM157		114	145				
Pyrene	<100 µg/kg	TM157		127	149				
Naphthalene	<100 µg/kg	TM157		<100	<100				
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100				

CERTIFICATE OF ANALYSIS

SDG:	140122-25	**Location:**	Coed Darcy	**Order Number:**	CD0599
Job:	H_ATKINS_LDC-202	**Customer:**	Atkins Global Ltd	**Report Number:**	258498
Client Reference:	PHS2-RD	**Attention:**	Jack Lowrie	**Superseded Report:**	

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	RD103	RD103	RD103	RD103	RD104	RD104
			Depth (m)	0.30	0.90	2.00	2.30	0.20	1.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014
			SDG Ref	140122-25	140122-25	140122-25	140122-25	140122-25	140122-25
			Lab Sample No.(s)	8724441	8724442	8724443	8724444	8724446	8724448
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		108	110	125	145	121	56
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		241000 M	175000 M	212000 M	305000 M	474 M	4760 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<25 M	<25 M	<25 M	<25 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<50 M	<50 M	<50 M	<50 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	3.63 M	12.3 M
Ethylbenzene	<3 µg/kg	TM089		<15 M	<15 M	<15 M	<15 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<30 M	<30 M	<30 M	<30 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<15 M	<15 M	<15 M	<15 M	<3 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		63.8	322	574	819	13.3	11.2
Aliphatics >C6-C8	<10 µg/kg	TM089		4030	11000	18200	24500	20.6	162
Aliphatics >C8-C10	<10 µg/kg	TM089		45100	41900	49900	69000	69	989
Aliphatics >C10-C12	<10 µg/kg	TM089		97000	56400	66000	99000	194	1750
Aliphatics >C12-C16	<100 µg/kg	TM173		816000	319000	797000	1480000	<100	33000
Aliphatics >C16-C21	<100 µg/kg	TM173		80700	37500	83600	326000	<100	31700
Aliphatics >C21-C35	<100 µg/kg	TM173		44800	28000	42500	360000	11100	58000
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	6940	<100	100000	<100	12700
Total Aliphatics >C12-C44	<100 µg/kg	TM173		941000	391000	923000	2260000	11100	135000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<50	<50	<50	<50	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<50	<50	<50	<50	<10	12.3
Aromatics >EC8-EC10	<10 µg/kg	TM089		30100	27900	33300	46000	46	660
Aromatics >EC10-EC12	<10 µg/kg	TM089		64700	37600	44000	66000	129	1170
Aromatics >EC12-EC16	<100 µg/kg	TM173		205000	123000	246000	382000	<100	17500
Aromatics >EC16-EC21	<100 µg/kg	TM173		60600	51200	70000	229000	<100	37400
Aromatics >EC21-EC35	<100 µg/kg	TM173		102000	113000	114000	471000	<100	96300
Aromatics >EC35-EC44	<100 µg/kg	TM173		29700	45300	55300	198000	<100	42300
Aromatics >EC40-EC44	<100 µg/kg	TM173		11300	14900	25800	83700	<100	16900
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		397000	333000	486000	1280000	<100	193000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		1580000	899000	1620000	3850000	11400	334000

CERTIFICATE OF ANALYSIS

SDG:	140122-25	**Location:**	Coed Darcy	**Order Number:**	CD0599
Job:	H_ATKINS_LDC-202	**Customer:**	Atkins Global Ltd	**Report Number:**	258498
Client Reference:	PHS2-RD	**Attention:**	Jack Lowrie	**Superseded Report:**	

TPH CWG (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	RD104	RD104	RD105	RD105	RD105	RD106
			Depth (m)	2.10	2.40	0.20	1.00	1.10	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014
			SDG Ref	140122-25	140122-25	140122-25	140122-25	140122-25	140122-25
			Lab Sample No.(s)	8724451	8724452	8724455	8724457	8724458	8724459
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		65	56	44	52	75	57
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		11900 M	19500 M	33400 #	13400 #	54300 #	3850 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 #	<5 #	<5 #	<5 M
Benzene	<10 µg/kg	TM089		11.1 M	<10 M	162 #	38.1 #	65.3 #	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	<2 #	<2 #	<2 #	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 #	<3 #	<3 #	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 #	<6 #	<6 #	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 #	<3 #	<3 #	<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	162	38.1	65.3	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		93.2	318	528	73.1	239	12.7
Aliphatics >C6-C8	<10 µg/kg	TM089		710	2130	2720	1050	5460	48.3
Aliphatics >C8-C10	<10 µg/kg	TM089		2450	4580	7590	3600	13700	523
Aliphatics >C10-C12	<10 µg/kg	TM089		4210	5660	10400	3730	15400	1750
Aliphatics >C12-C16	<100 µg/kg	TM173		111000	76600	392000	360000	199000	76000
Aliphatics >C16-C21	<100 µg/kg	TM173		86300	88800	172000	150000	94900	40700
Aliphatics >C21-C35	<100 µg/kg	TM173		143000	146000	129000	82200	54700	60800
Aliphatics >C35-C44	<100 µg/kg	TM173		35500	39600	28600	17100	11700	8490
Total Aliphatics >C12-C44	<100 µg/kg	TM173		376000	351000	722000	609000	360000	186000
Aromatics >EC5-EC7	<10 µg/kg	TM089		11.1	<10	162	38.1	65.3	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		1630	3050	5060	2400	9100	348
Aromatics >EC10-EC12	<10 µg/kg	TM089		2800	3770	6950	2490	10300	1160
Aromatics >EC12-EC16	<100 µg/kg	TM173		30700	25800	146000	162000	94700	24000
Aromatics >EC16-EC21	<100 µg/kg	TM173		72000	68500	97200	99500	59900	27300
Aromatics >EC21-EC35	<100 µg/kg	TM173		217000	197000	113000	110000	67500	95400
Aromatics >EC35-EC44	<100 µg/kg	TM173		70600	58400	39500	40800	25300	42200
Aromatics >EC40-EC44	<100 µg/kg	TM173		21800	17400	14900	16100	9870	17500
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		390000	349000	395000	412000	247000	189000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		778000	720000	1150000	1040000	662000	379000

CERTIFICATE OF ANALYSIS

SDG:	140122-25	**Location:**	Coed Darcy	**Order Number:**	CD0599
Job:	H_ATKINS_LDC-202	**Customer:**	Atkins Global Ltd	**Report Number:**	258498
Client Reference:	PHS2-RD	**Attention:**	Jack Lowrie	**Superseded Report:**	

TPH CWG (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	RD106	RD106	RD107	RD107	RD107	RD107
			Depth (m)	1.20	1.80	0.20	1.00	2.30	3.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014
			SDG Ref	140122-25	140122-25	140122-25	140122-25	140122-25	140122-25
			Lab Sample No.(s)	8724460	8724461	8724462	8724463	8724464	8724465
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		45	94	53	60	38	60
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		5510 M	28000 M	2210 M	6850 M	3660 M	11900 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	33.3 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	15.5 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	6.9 M	14.6 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	28 M	8.05 M	64.4 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 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	42.6	<24	64.4
Aliphatics >C5-C6	<10 µg/kg	TM089		14.4	66.6	18.4	20.2	16.1	21.9
Aliphatics >C6-C8	<10 µg/kg	TM089		183	3130	125	245	113	428
Aliphatics >C8-C10	<10 µg/kg	TM089		1190	8000	458	1300	570	2520
Aliphatics >C10-C12	<10 µg/kg	TM089		1990	6830	774	2620	1540	4330
Aliphatics >C12-C16	<100 µg/kg	TM173		49400	51300	12300	43400	58100	72400
Aliphatics >C16-C21	<100 µg/kg	TM173		40800	32000	21000	51000	60500	51000
Aliphatics >C21-C35	<100 µg/kg	TM173		39300	31000	49500	98600	124000	91300
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	5940	16500	27400	35400	21000
Total Aliphatics >C12-C44	<100 µg/kg	TM173		130000	120000	99300	220000	278000	236000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	15.5	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	14.6	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		795	5330	307	894	388	1750
Aromatics >EC10-EC12	<10 µg/kg	TM089		1330	4560	516	1750	1030	2890
Aromatics >EC12-EC16	<100 µg/kg	TM173		20800	20000	7120	24200	23400	20700
Aromatics >EC16-EC21	<100 µg/kg	TM173		33600	22900	20300	86900	57100	36300
Aromatics >EC21-EC35	<100 µg/kg	TM173		78400	45000	65200	280000	212000	120000
Aromatics >EC35-EC44	<100 µg/kg	TM173		35900	21200	27000	83700	90300	45000
Aromatics >EC40-EC44	<100 µg/kg	TM173		14500	8290	10700	24900	35000	15700
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		169000	109000	120000	474000	383000	222000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		304000	257000	221000	702000	664000	469000

CERTIFICATE OF ANALYSIS

SDG:	140122-25	**Location:**	Coed Darcy	**Order Number:**	CD0599
Job:	H_ATKINS_LDC-202	**Customer:**	Atkins Global Ltd	**Report Number:**	258498
Client Reference:	PHS2-RD	**Attention:**	Jack Lowrie	**Superseded Report:**	

TPH CWG (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	RD107	RD108	RD108	RD108	RD108	RD108
			Depth (m)	3.80	0.30	1.00	2.10	3.20	3.80
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014
			SDG Ref	140122-25	140122-25	140122-25	140122-25	140122-25	140122-25
			Lab Sample No.(s)	8724466	8724467	8724468	8724470	8724471	8724473
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		88	50	53	75	43	63
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		10500 M	2780 M	5140 M	53.9 M	5250 M	1170 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	49.5 M	75.9 M	<2 M	37 M	5.46 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	5.75 M	16.5 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	50.6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	20.9 M	<3 M	<3 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	71.5	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	55.3	164	<24	37	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		26	20.7	25.3	<10	27.2	14.2
Aliphatics >C6-C8	<10 µg/kg	TM089		518	80.5	149	<10	169	50.2
Aliphatics >C8-C10	<10 µg/kg	TM089		2320	383	889	<10	894	221
Aliphatics >C10-C12	<10 µg/kg	TM089		3640	1180	1990	13.2	2110	435
Aliphatics >C12-C16	<100 µg/kg	TM173		26400	3940	26900	2880	35100	59400
Aliphatics >C16-C21	<100 µg/kg	TM173		33900	16300	38500	14100	46400	61900
Aliphatics >C21-C35	<100 µg/kg	TM173		361000	52700	84300	36300	55000	74200
Aliphatics >C35-C44	<100 µg/kg	TM173		324000	15100	24500	14500	18800	16500
Total Aliphatics >C12-C44	<100 µg/kg	TM173		745000	88100	174000	67800	155000	212000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	49.5	75.9	<10	37	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		1550	266	681	11	596	148
Aromatics >EC10-EC12	<10 µg/kg	TM089		2430	788	1330	<10	1410	290
Aromatics >EC12-EC16	<100 µg/kg	TM173		10700	1430	9720	1140	13500	14800
Aromatics >EC16-EC21	<100 µg/kg	TM173		38600	8690	26100	6960	33300	38800
Aromatics >EC21-EC35	<100 µg/kg	TM173		515000	54000	118000	43800	73000	70200
Aromatics >EC35-EC44	<100 µg/kg	TM173		473000	26700	33500	33500	27900	21900
Aromatics >EC40-EC44	<100 µg/kg	TM173		204000	11100	13100	15100	11100	7640
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		1040000	90800	187000	85300	148000	146000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		1790000	182000	366000	153000	308000	359000

CERTIFICATE OF ANALYSIS

SDG:	140122-25	**Location:**	Coed Darcy	**Order Number:**	CD0599
Job:	H_ATKINS_LDC-202	**Customer:**	Atkins Global Ltd	**Report Number:**	258498
Client Reference:	PHS2-RD	**Attention:**	Jack Lowrie	**Superseded Report:**	

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	RD109	RD109				
			Depth (m)	0.20	0.80				
			Sample Type	Soil/Solid	Soil/Solid				
			Date Sampled	20/01/2014	20/01/2014				
			Sample Time	.	.				
			Date Received	22/01/2014	22/01/2014				
			SDG Ref	140122-25	140122-25				
			Lab Sample No.(s)	8724474	8724475				
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		44	68				
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		3110 M	3690 M				
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M				
Benzene	<10 µg/kg	TM089		14.1 M	15.3 M				
Toluene	<2 µg/kg	TM089		28.2 M	37.2 M				
Ethylbenzene	<3 µg/kg	TM089		<3 M	5.47 M				
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M				
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M				
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9				
sum of detected BTEX by GC	<24 µg/kg	TM089		42.3	58				
Aliphatics >C5-C6	<10 µg/kg	TM089		34.8	51.4				
Aliphatics >C6-C8	<10 µg/kg	TM089		122	179				
Aliphatics >C8-C10	<10 µg/kg	TM089		415	520				
Aliphatics >C10-C12	<10 µg/kg	TM089		1330	1520				
Aliphatics >C12-C16	<100 µg/kg	TM173		36000	63800				
Aliphatics >C16-C21	<100 µg/kg	TM173		43600	62100				
Aliphatics >C21-C35	<100 µg/kg	TM173		51400	82600				
Aliphatics >C35-C44	<100 µg/kg	TM173		8640	16400				
Total Aliphatics >C12-C44	<100 µg/kg	TM173		140000	225000				
Aromatics >EC5-EC7	<10 µg/kg	TM089		14.1	15.3				
Aromatics >EC7-EC8	<10 µg/kg	TM089		28.2	37.2				
Aromatics >EC8-EC10	<10 µg/kg	TM089		281	357				
Aromatics >EC10-EC12	<10 µg/kg	TM089		884	1010				
Aromatics >EC12-EC16	<100 µg/kg	TM173		10900	15100				
Aromatics >EC16-EC21	<100 µg/kg	TM173		29600	38200				
Aromatics >EC21-EC35	<100 µg/kg	TM173		48600	65400				
Aromatics >EC35-EC44	<100 µg/kg	TM173		14200	20600				
Aromatics >EC40-EC44	<100 µg/kg	TM173		4790	6840				
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		103000	139000				
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		246000	368000				

CERTIFICATE OF ANALYSIS

SDG:	140122-25	**Location:**	Coed Darcy	**Order Number:**	CD0599
Job:	H_ATKINS_LDC-202	**Customer:**	Atkins Global Ltd	**Report Number:**	258498
Client Reference:	PHS2-RD	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	RD103	RD103	RD103	RD103	RD104	RD104
			Depth (m)	0.30	0.90	2.00	2.30	0.20	1.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014
			SDG Ref	140122-25	140122-25	140122-25	140122-25	140122-25	140122-25
			Lab Sample No.(s)	8724441	8724442	8724443	8724444	8724446	8724448
			AGS Reference						
Dibromofluoromethane**	%	TM116		100	102	107	98.4	102	105
Toluene-d8**	%	TM116		98.4	98.2	98.8	98.5	98.7	97.6
4-Bromofluorobenzene**	%	TM116		104	112	114	104	107	114
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<4 M	<80 M
Chloromethane	<7 µg/kg	TM116		<140	<140	<140	<140	<7	<140
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<200	<200	<10	<200
Bromomethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<13 M	<260 M
Chloroethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<14 M	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<6 M	<120 M
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<10 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<7 M	<140 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<10 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<11 M	<220 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<11 M	<220 M
1,1-Dichloroethane	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<8 M	<160 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<5 M	<100 M
2,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<12 M	<240 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<14 M	<280 M
Chloroform	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<8 M	<160 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<7 M	<140 M
1,1-Dichloropropene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<11 M	<220 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<14 M	<280 M
1,2-Dichloroethane	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<5 M	<100 M
Benzene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<9 M	<180 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<9 M	<180 M
1,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<12 M	<240 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<9 M	<180 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<7 M	<140 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<14 M	<280 M
Toluene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	9.49 M	<100 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<2000	<2000	<2000	<100	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<10 M	<200 M

CERTIFICATE OF ANALYSIS

SDG:	140122-25	**Location:**	Coed Darcy	**Order Number:**	CD0599
Job:	H_ATKINS_LDC-202	**Customer:**	Atkins Global Ltd	**Report Number:**	258498
Client Reference:	PHS2-RD	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	RD103	RD103	RD103	RD103	RD104	RD104
			Depth (m)	0.30	0.90	2.00	2.30	0.20	1.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014
			SDG Ref	140122-25	140122-25	140122-25	140122-25	140122-25	140122-25
			Lab Sample No.(s)	8724441	8724442	8724443	8724444	8724446	8724448
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<140 #	<140 #	<7 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<5 M	<100 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<13 M	<260 M
1,2-Dibromoethane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<12 M	<240 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<5 M	<100 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<10 M	<200 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<4 M	<80 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<280 #	<14 #	<280 #
o-Xylene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<10 M	<200 M
Styrene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<10 M	<200 M
Bromoform	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<10 M	<200 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	556 M	575 M	316 M	<5 M	<100 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<10 #	<200 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 M	<340 M	<340 M	<340 M	<17 M	<340 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<10 M	<200 M
Propylbenzene	<11 µg/kg	TM116		<220 M	1130 M	1110 M	598 M	<11 M	<220 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<9 M	<180 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<160 #	<160 #	<8 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<12 M	<240 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<240 #	<12 #	<240 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<180 #	<180 #	<180 #	<9 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		437 M	1470 M	1100 M	522 M	<10 M	<200 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<11 M	<220 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<6 M	<120 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<5 M	<100 M
n-Butylbenzene	<10 µg/kg	TM116		511 M	<200 M	<200 M	<200 M	<10 M	<200 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<12 M	<240 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<14 M	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<300	<300	<15	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<120 #	<120 #	<6 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<240	<240	<12	<240
Naphthalene	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<13 M	<260 M

CERTIFICATE OF ANALYSIS

SDG:	140122-25	**Location:**	Coed Darcy	**Order Number:**	CD0599
Job:	H_ATKINS_LDC-202	**Customer:**	Atkins Global Ltd	**Report Number:**	258498
Client Reference:	PHS2-RD	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	RD103	RD103	RD103	RD103	RD104	RD104
			Depth (m)	0.30	0.90	2.00	2.30	0.20	1.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014
			SDG Ref	140122-25	140122-25	140122-25	140122-25	140122-25	140122-25
			Lab Sample No.(s)	8724441	8724442	8724443	8724444	8724446	8724448
			AGS Reference						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<6 M	<120 M

CERTIFICATE OF ANALYSIS

SDG:	140122-25	**Location:**	Coed Darcy	**Order Number:**	CD0599
Job:	H_ATKINS_LDC-202	**Customer:**	Atkins Global Ltd	**Report Number:**	258498
Client Reference:	PHS2-RD	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	RD104	RD104	RD105	RD105	RD105	RD106
			Depth (m)	2.10	2.40	0.20	1.00	1.10	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014
			SDG Ref	140122-25	140122-25	140122-25	140122-25	140122-25	140122-25
			Lab Sample No.(s)	8724451	8724452	8724455	8724457	8724458	8724459
			AGS Reference						
Dibromofluoromethane**	%	TM116		105	104	104	103	108	110
Toluene-d8**	%	TM116		97.5	98.8	97.2	97	101	97.8
4-Bromofluorobenzene**	%	TM116		115	111	118	116	111	111
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<80 M	<80 #	<80 #	<80 #	<80 M
Chloromethane	<7 µg/kg	TM116		<140	<140	<140	<140	<140	<140
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<200	<200	<200	<200
Bromomethane	<13 µg/kg	TM116		<260 M	<260 M	<260 #	<260 #	<260 #	<260 M
Chloroethane	<14 µg/kg	TM116		<280 M	<280 M	<280 #	<280 #	<280 #	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<120 M	<120 #	<120 #	<120 #	<120 M
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<140 M	<140 #	<140 #	<140 #	<140 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<220 M	<220 #	<220 #	<220 #	<220 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 M	<220 M	<220 #	<220 #	<220 #	<220 M
1,1-Dichloroethane	<8 µg/kg	TM116		<160 M	<160 M	<160 #	<160 #	<160 #	<160 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 #	<100 #	<100 #	<100 M
2,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 #	<240 #	<240 #	<240 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<280 M	<280 #	<280 #	<280 #	<280 M
Chloroform	<8 µg/kg	TM116		<160 M	<160 M	<160 #	<160 #	<160 #	<160 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 M	<140 M	<140 #	<140 #	<140 #	<140 M
1,1-Dichloropropene	<11 µg/kg	TM116		<220 M	<220 M	<220 #	<220 #	<220 #	<220 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<280 M	<280 #	<280 #	<280 #	<280 M
1,2-Dichloroethane	<5 µg/kg	TM116		<100 M	<100 M	<100 #	<100 #	<100 #	<100 M
Benzene	<9 µg/kg	TM116		<180 M	<180 M	747 #	287 #	243 #	<180 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<180 M	<180 #	<180 #	<180 #	<180 M
1,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 #	<240 #	<240 #	<240 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<180 M	<180 #	<180 #	<180 #	<180 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<140 M	<140 #	<140 #	<140 #	<140 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 M	<280 M	<280 #	<280 #	<280 #	<280 M
Toluene	<5 µg/kg	TM116		<100 M	<100 M	131 #	<100 #	<100 #	<100 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<2000	<2000	<2000	<2000	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 #	<200 #	<200 #	<200 M

CERTIFICATE OF ANALYSIS

SDG:	140122-25	**Location:**	Coed Darcy	**Order Number:**	CD0599
Job:	H_ATKINS_LDC-202	**Customer:**	Atkins Global Ltd	**Report Number:**	258498
Client Reference:	PHS2-RD	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	RD104	RD104	RD105	RD105	RD105	RD106
			Depth (m)	2.10	2.40	0.20	1.00	1.10	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014
			SDG Ref	140122-25	140122-25	140122-25	140122-25	140122-25	140122-25
			Lab Sample No.(s)	8724451	8724452	8724455	8724457	8724458	8724459
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<140 #	<140 #	<140 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 #	<100 #	<100 #	<100 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<260 M	<260 #	<260 #	<260 #	<260 M
1,2-Dibromoethane	<12 µg/kg	TM116		<240 M	<240 M	<240 #	<240 #	<240 #	<240 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 #	<100 #	<100 #	<100 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 #	<200 #	<200 #	<200 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<80 M	<80 #	<80 #	<80 #	<80 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<280 #	<280 #	<280 #
o-Xylene	<10 µg/kg	TM116		<200 M	<200 M	<200 #	<200 #	<200 #	<200 M
Styrene	<10 µg/kg	TM116		<200 M	<200 M	<200 #	<200 #	<200 #	<200 M
Bromoform	<10 µg/kg	TM116		<200 M	<200 M	<200 #	<200 #	<200 #	<200 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<100 M	216 #	<100 #	<100 #	<100 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 M	<340 M	<340 #	<340 #	<340 #	<340 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 #	<200 #	<200 #	<200 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<220 M	541 #	<220 #	<220 #	<220 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<180 M	<180 #	<180 #	<180 #	<180 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<160 #	<160 #	<160 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<240 M	<240 #	<240 #	<240 #	<240 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<240 #	<240 #	<240 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<180 #	<180 #	<180 #	<180 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 #	<200 #	<200 #	<200 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<220 M	<220 #	<220 #	<220 #	<220 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 #	<120 #	<120 #	<120 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 #	<100 #	<100 #	<100 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 #	<200 #	<200 #	<200 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<240 M	<240 #	<240 #	<240 #	<240 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<280 M	<280 #	<280 #	<280 #	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<300	<300	<300	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<120 #	<120 #	<120 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<240	<240	<240	<240
Naphthalene	<13 µg/kg	TM116		<260 M	<260 M	<260 #	<260 #	<260 #	<260 M

CERTIFICATE OF ANALYSIS

SDG:	140122-25	**Location:**	Coed Darcy	**Order Number:**	CD0599
Job:	H_ATKINS_LDC-202	**Customer:**	Atkins Global Ltd	**Report Number:**	258498
Client Reference:	PHS2-RD	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	RD104	RD104	RD105	RD105	RD105	RD106
			Depth (m)	2.10	2.40	0.20	1.00	1.10	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014
			SDG Ref	140122-25	140122-25	140122-25	140122-25	140122-25	140122-25
			Lab Sample No.(s)	8724451	8724452	8724455	8724457	8724458	8724459
			AGS Reference						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 #	<120 #	<120 #	<120 M

CERTIFICATE OF ANALYSIS

SDG:	140122-25	**Location:**	Coed Darcy	**Order Number:**	CD0599
Job:	H_ATKINS_LDC-202	**Customer:**	Atkins Global Ltd	**Report Number:**	258498
Client Reference:	PHS2-RD	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	RD106	RD106	RD107	RD107	RD107	RD107
			Depth (m)	1.20	1.80	0.20	1.00	2.30	3.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014
			SDG Ref	140122-25	140122-25	140122-25	140122-25	140122-25	140122-25
			Lab Sample No.(s)	8724460	8724461	8724462	8724463	8724464	8724465
			AGS Reference						
Dibromofluoromethane**	%	TM116		108	109	106	109	107	108
Toluene-d8**	%	TM116		98.5	98.6	98.7	100	98.4	100
4-Bromofluorobenzene**	%	TM116		113	113	114	109	117	111
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
Chloromethane	<7 µg/kg	TM116		<140	<140	<140	<140	<140	<140
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<200	<200	<200	<200
Bromomethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M
Chloroethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
1,1-Dichloroethane	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M	<160 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
2,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Chloroform	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M	<160 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
1,1-Dichloropropene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
1,2-Dichloroethane	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Benzene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
1,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Toluene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<2000	<2000	<2000	<2000	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M

CERTIFICATE OF ANALYSIS

SDG:	140122-25	**Location:**	Coed Darcy	**Order Number:**	CD0599
Job:	H_ATKINS_LDC-202	**Customer:**	Atkins Global Ltd	**Report Number:**	258498
Client Reference:	PHS2-RD	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	RD106	RD106	RD107	RD107	RD107	RD107
			Depth (m)	1.20	1.80	0.20	1.00	2.30	3.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014
			SDG Ref	140122-25	140122-25	140122-25	140122-25	140122-25	140122-25
			Lab Sample No.(s)	8724460	8724461	8724462	8724463	8724464	8724465
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<140 #	<140 #	<140 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M
1,2-Dibromoethane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<280 #	<280 #	<280 #
o-Xylene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Styrene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Bromoform	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 M	<340 M	<340 M	<340 M	<340 M	<340 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<160 #	<160 #	<160 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<240 #	<240 #	<240 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<180 #	<180 #	<180 #	<180 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<300	<300	<300	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<120 #	<120 #	<120 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<240	<240	<240	<240
Naphthalene	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M

CERTIFICATE OF ANALYSIS

SDG:	140122-25	**Location:**	Coed Darcy	**Order Number:**	CD0599
Job:	H_ATKINS_LDC-202	**Customer:**	Atkins Global Ltd	**Report Number:**	258498
Client Reference:	PHS2-RD	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	RD106	RD106	RD107	RD107	RD107	RD107
			Depth (m)	1.20	1.80	0.20	1.00	2.30	3.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014
			SDG Ref	140122-25	140122-25	140122-25	140122-25	140122-25	140122-25
			Lab Sample No.(s)	8724460	8724461	8724462	8724463	8724464	8724465
			AGS Reference						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M

CERTIFICATE OF ANALYSIS

SDG:	140122-25	**Location:**	Coed Darcy	**Order Number:**	CD0599
Job:	H_ATKINS_LDC-202	**Customer:**	Atkins Global Ltd	**Report Number:**	258498
Client Reference:	PHS2-RD	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	RD107	RD108	RD108	RD108	RD108	RD108
			Depth (m)	3.80	0.30	1.00	2.10	3.20	3.80
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014
			SDG Ref	140122-25	140122-25	140122-25	140122-25	140122-25	140122-25
			Lab Sample No.(s)	8724466	8724467	8724468	8724470	8724471	8724473
			AGS Reference						
Dibromofluoromethane**	%	TM116		109	108	98.7	111	97.6	94.5
Toluene-d8**	%	TM116		99.1	99.4	93.1	98.1	95.2	95
4-Bromofluorobenzene**	%	TM116		109	110	126	112	127	126
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<80 M	<8 M	<80 M	<8 M	<8 M
Chloromethane	<7 µg/kg	TM116		<140	<140	<14	<140	<14	<14
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<20	<200	<20	<20
Bromomethane	<13 µg/kg	TM116		<260 M	<260 M	<26 M	<260 M	<26 M	<26 M
Chloroethane	<14 µg/kg	TM116		<280 M	<280 M	<28 M	<280 M	<28 M	<28 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<120 M	<12 M	<120 M	<12 M	<12 M
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<20 #	<200 #	<20 #	<20 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<140 M	<14 M	<140 M	<14 M	<14 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #	<20 #	<200 #	<20 #	<20 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<220 M	<22 M	<220 M	<22 M	<22 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 M	<220 M	<22 M	<220 M	<22 M	<22 M
1,1-Dichloroethane	<8 µg/kg	TM116		<160 M	<160 M	<16 M	<160 M	<16 M	<16 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 M	<100 M	<10 M	<100 M	<10 M	<10 M
2,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<24 M	<240 M	<24 M	<24 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<280 M	<28 M	<280 M	<28 M	<28 M
Chloroform	<8 µg/kg	TM116		<160 M	<160 M	<16 M	<160 M	<16 M	<16 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 M	<140 M	<14 M	<140 M	<14 M	<14 M
1,1-Dichloropropene	<11 µg/kg	TM116		<220 M	<220 M	<22 M	<220 M	<22 M	<22 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<280 M	<28 M	<280 M	<28 M	<28 M
1,2-Dichloroethane	<5 µg/kg	TM116		<100 M	<100 M	<10 M	<100 M	<10 M	<10 M
Benzene	<9 µg/kg	TM116		<180 M	<180 M	<18 M	<180 M	27.3 M	<18 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<180 M	<18 M	<180 M	<18 M	<18 M
1,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<24 M	<240 M	<24 M	<24 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<180 M	<18 M	<180 M	<18 M	<18 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<140 M	<14 M	<140 M	<14 M	<14 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 M	<280 M	<28 M	<280 M	<28 M	<28 M
Toluene	<5 µg/kg	TM116		<100 M	<100 M	58.8 M	<100 M	79.7 M	26.1 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<2000	<200	<2000	<200	<200
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 M	<200 M	<20 M	<200 M	<20 M	<20 M

CERTIFICATE OF ANALYSIS

SDG:	140122-25	**Location:**	Coed Darcy	**Order Number:**	CD0599
Job:	H_ATKINS_LDC-202	**Customer:**	Atkins Global Ltd	**Report Number:**	258498
Client Reference:	PHS2-RD	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	RD107	RD108	RD108	RD108	RD108	RD108
			Depth (m)	3.80	0.30	1.00	2.10	3.20	3.80
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014	20/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014	22/01/2014
			SDG Ref	140122-25	140122-25	140122-25	140122-25	140122-25	140122-25
			Lab Sample No.(s)	8724466	8724467	8724468	8724470	8724471	8724473
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<14 #	<140 #	<14 #	<14 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<100 M	<10 M	<100 M	<10 M	<10 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<260 M	<26 M	<260 M	<26 M	<26 M
1,2-Dibromoethane	<12 µg/kg	TM116		<240 M	<240 M	<24 M	<240 M	<24 M	<24 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<10 M	<100 M	<10 M	<10 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<200 M	<20 M	<200 M	<20 M	<20 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<80 M	<8 M	<80 M	<8 M	<8 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<28 #	<280 #	<28 #	<28 #
o-Xylene	<10 µg/kg	TM116		<200 M	<200 M	<20 M	<200 M	<20 M	<20 M
Styrene	<10 µg/kg	TM116		<200 M	<200 M	<20 M	<200 M	<20 M	<20 M
Bromoform	<10 µg/kg	TM116		<200 M	<200 M	<20 M	<200 M	<20 M	<20 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<100 M	<10 M	<100 M	<10 M	<10 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<20 #	<200 #	<20 #	<20 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 M	<340 M	<34 M	<340 M	<34 M	<34 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<200 M	<20 M	<200 M	<20 M	<20 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<220 M	<22 M	<220 M	<22 M	<22 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<180 M	<18 M	<180 M	<18 M	<18 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<16 #	<160 #	<16 #	<16 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<240 M	<24 M	<240 M	<24 M	<24 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<24 #	<240 #	<24 #	<24 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<180 #	<18 #	<180 #	<18 #	<18 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<20 M	<200 M	<20 M	<20 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<220 M	<22 M	<220 M	<22 M	<22 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<12 M	<120 M	<12 M	<12 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<10 M	<100 M	<10 M	<10 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<20 M	<200 M	<20 M	<20 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<240 M	<24 M	<240 M	<24 M	<24 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<280 M	<28 M	<280 M	<28 M	<28 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<30	<300	<30	<30
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<12 #	<120 #	<12 #	<12 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<24	<240	<24	<24
Naphthalene	<13 µg/kg	TM116		<260 M	<260 M	<26 M	<260 M	<26 M	<26 M

CERTIFICATE OF ANALYSIS

SDG:	140122-25	**Location:**	Coed Darcy	**Order Number:**	CD0599
Job:	H_ATKINS_LDC-202	**Customer:**	Atkins Global Ltd	**Report Number:**	258498
Client Reference:	PHS2-RD	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	Depth (m)	Sample Type	Date Sampled	Sample Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	RD107	3.80	Soil/Solid	20/01/2014	.	22/01/2014	140122-25	8724466	<120 M
			RD108	0.30	Soil/Solid	20/01/2014	.	22/01/2014	140122-25	8724467	<120 M
			RD108	1.00	Soil/Solid	20/01/2014	.	22/01/2014	140122-25	8724468	<12 M
			RD108	2.10	Soil/Solid	20/01/2014	.	22/01/2014	140122-25	8724470	<120 M
			RD108	3.20	Soil/Solid	20/01/2014	.	22/01/2014	140122-25	8724471	<12 M
			RD108	3.80	Soil/Solid	20/01/2014	.	22/01/2014	140122-25	8724473	<12 M

CERTIFICATE OF ANALYSIS

SDG:	140122-25	**Location:**	Coed Darcy	**Order Number:**	CD0599
Job:	H_ATKINS_LDC-202	**Customer:**	Atkins Global Ltd	**Report Number:**	258498
Client Reference:	PHS2-RD	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	RD109	RD109				
			Depth (m)	0.20	0.80				
			Sample Type	Soil/Solid	Soil/Solid				
			Date Sampled	20/01/2014	20/01/2014				
			Sample Time	.	.				
			Date Received	22/01/2014	22/01/2014				
			SDG Ref	140122-25	140122-25				
			Lab Sample No.(s)	8724474	8724475				
			AGS Reference						
Dibromofluoromethane**	%	TM116		104	96				
Toluene-d8**	%	TM116		99.3	93.3				
4-Bromofluorobenzene**	%	TM116		111	126				
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<8 M				
Chloromethane	<7 µg/kg	TM116		<140	<14				
Vinyl Chloride	<10 µg/kg	TM116		<200	<20				
Bromomethane	<13 µg/kg	TM116		<260 M	<26 M				
Chloroethane	<14 µg/kg	TM116		<280 M	<28 M				
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<12 M				
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<20 #				
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<14 M				
Dichloromethane	<10 µg/kg	TM116		<200 #	<20 #				
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<22 M				
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 M	<22 M				
1,1-Dichloroethane	<8 µg/kg	TM116		<160 M	<16 M				
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 M	<10 M				
2,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<24 M				
Bromochloromethane	<14 µg/kg	TM116		<280 M	<28 M				
Chloroform	<8 µg/kg	TM116		<160 M	<16 M				
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 M	<14 M				
1,1-Dichloropropene	<11 µg/kg	TM116		<220 M	<22 M				
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<28 M				
1,2-Dichloroethane	<5 µg/kg	TM116		<100 M	<10 M				
Benzene	<9 µg/kg	TM116		<180 M	41.7 M				
Trichloroethene	<9 µg/kg	TM116		<180 M	<18 M				
1,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<24 M				
Dibromomethane	<9 µg/kg	TM116		<180 M	<18 M				
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<14 M				
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 M	<28 M				
Toluene	<5 µg/kg	TM116		247 M	87.6 M				
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<200				
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 M	<20 M				

CERTIFICATE OF ANALYSIS

SDG:	140122-25	**Location:**	Coed Darcy	**Order Number:**	CD0599
Job:	H_ATKINS_LDC-202	**Customer:**	Atkins Global Ltd	**Report Number:**	258498
Client Reference:	PHS2-RD	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	RD109	RD109				
			Depth (m)	0.20	0.80				
			Sample Type	Soil/Solid	Soil/Solid				
			Date Sampled	20/01/2014	20/01/2014				
			Sample Time	.	.				
			Date Received	22/01/2014	22/01/2014				
			SDG Ref	140122-25	140122-25				
			Lab Sample No.(s)	8724474	8724475				
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<14 #				
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<10 M				
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<26 M				
1,2-Dibromoethane	<12 µg/kg	TM116		<240 M	<24 M				
Chlorobenzene	<5 µg/kg	TM116		<100 M	<10 M				
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<20 M				
Ethylbenzene	<4 µg/kg	TM116		<80 M	<8 M				
p/m-Xylene	<14 µg/kg	TM116		<280 #	<28 #				
o-Xylene	<10 µg/kg	TM116		<200 M	<20 M				
Styrene	<10 µg/kg	TM116		<200 M	<20 M				
Bromoform	<10 µg/kg	TM116		<200 M	<20 M				
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<10 M				
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<20 #				
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 M	<34 M				
Bromobenzene	<10 µg/kg	TM116		<200 M	<20 M				
Propylbenzene	<11 µg/kg	TM116		<220 M	<22 M				
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<18 M				
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<16 #				
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<24 M				
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<24 #				
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<18 #				
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<20 M				
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<22 M				
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<12 M				
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<10 M				
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<20 M				
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<24 M				
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<28 M				
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<30				
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<12 #				
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<24				
Naphthalene	<13 µg/kg	TM116		<260 M	<26 M				

CERTIFICATE OF ANALYSIS

SDG:	140122-25	**Location:**	Coed Darcy	**Order Number:**	CD0599
Job:	H_ATKINS_LDC-202	**Customer:**	Atkins Global Ltd	**Report Number:**	258498
Client Reference:	PHS2-RD	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	RD109	RD109
			Depth (m)	0.20	0.80
			Sample Type	Soil/Solid	Soil/Solid
			Date Sampled	20/01/2014	20/01/2014
			Sample Time	.	.
			Date Received	22/01/2014	22/01/2014
			SDG Ref	140122-25	140122-25
			Lab Sample No.(s)	8724474	8724475
			AGS Reference		
1,2,3-Trichlorobenzene	<6 µg/kg	TM116		<120 M	<12 M

CERTIFICATE OF ANALYSIS

SDG:	140122-25	**Location:**	Coed Darcy	**Order Number:**	CD0599
Job:	H_ATKINS_LDC-202	**Customer:**	Atkins Global Ltd	**Report Number:**	258498
Client Reference:	PHS2-RD	**Attention:**	Jack Lowrie	**Superseded Report:**	

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 Receieved SDG Original Sample Method Number	RD103 0.30 SOLID 20/01/2014 00:00:00 140122-25 8724441 TM048	31/1/14	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 Receieved SDG Original Sample Method Number	RD103 0.90 SOLID 20/01/2014 00:00:00 140122-25 8724442 TM048	31/1/14	Lauren Sargeant	Soil containing loose fibres and ACM debris	Not Detected (#)	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	RD103 2.00 SOLID 20/01/2014 00:00:00 140122-25 8724443 TM048	31/1/14	Lauren Sargeant	Soil containing material typical of asbestos bitumen	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	RD103 2.30 SOLID 20/01/2014 00:00:00 140122-25 8724444 TM048	31/1/14	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 Receieved SDG Original Sample Method Number	RD104 0.20 SOLID 20/01/2014 00:00:00 140122-25 8724446 TM048	30/01/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140122-25	**Location:**	Coed Darcy	**Order Number:**	CD0599
Job:	H_ATKINS_LDC-202	**Customer:**	Atkins Global Ltd	**Report Number:**	258498
Client Reference:	PHS2-RD	**Attention:**	Jack Lowrie	**Superseded Report:**	

		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 Receieved SDG Original Sample Method Number	RD104 1.10 SOLID 20/01/2014 00:00:00 140122-25 8724448 TM048	31/1/14	Lauren Sargeant	Loose fibres in soil	Not Detected (#)	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	RD104 2.10 SOLID 20/01/2014 00:00:00 140122-25 8724451 TM048	31/1/14	Martin Cotterell	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 Receieved SDG Original Sample Method Number	RD104 2.40 SOLID 20/01/2014 00:00:00 140122-25 8724452 TM048	31/1/14	Martin Cotterell	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 Receieved SDG Original Sample Method Number	RD105 0.20 SOLID 20/01/2014 00:00:00 140122-25 8724455 TM048	30/01/14	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 Receieved SDG Original Sample Method Number	RD105 1.00 SOLID 20/01/2014 00:00:00 140122-25 8724457 TM048	31/1/14	Martin Cotterell	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 Receieved SDG Original Sample Method Number	RD105 1.10 SOLID 20/01/2014 00:00:00 140122-25 8724458 TM048	31/1/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140122-25	**Location:**	Coed Darcy	**Order Number:**	CD0599
Job:	H_ATKINS_LDC-202	**Customer:**	Atkins Global Ltd	**Report Number:**	258498
Client Reference:	PHS2-RD	**Attention:**	Jack Lowrie	**Superseded Report:**	

		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 Receieved SDG Original Sample Method Number	RD106 0.20 SOLID 20/01/2014 00:00:00 140122-25 8724459 TM048	31/1/14	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 Receieved SDG Original Sample Method Number	RD106 1.20 SOLID 20/01/2014 00:00:00 140122-25 8724460 TM048	31/1/14	Martin Cotterell	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 Receieved SDG Original Sample Method Number	RD106 1.80 SOLID 20/01/2014 00:00:00 140122-25 8724461 TM048	31/1/14	Paul Fenney	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 Receieved SDG Original Sample Method Number	RD107 0.20 SOLID 20/01/2014 00:00:00 140122-25 8724462 TM048	31/1/14	Martin Cotterell	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 Receieved SDG Original Sample Method Number	RD107 1.00 SOLID 20/01/2014 00:00:00 140122-25 8724463 TM048	31/1/14	Martin Cotterell	Loose fibres in soil	Not Detected (#)	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	RD107 2.30 SOLID 20/01/2014 00:00:00 140122-25 8724464 TM048	31/1/14	Paul Fenney	Loose fibres in soil	Not Detected (#)	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140122-25	**Location:**	Coed Darcy	**Order Number:**	CD0599
Job:	H_ATKINS_LDC-202	**Customer:**	Atkins Global Ltd	**Report Number:**	258498
Client Reference:	PHS2-RD	**Attention:**	Jack Lowrie	**Superseded Report:**	

		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 Receieved SDG Original Sample Method Number	RD107 3.00 SOLID 20/01/2014 00:00:00 140122-25 8724465 TM048	31/1/14	Paul Fenney	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 Receieved SDG Original Sample Method Number	RD107 3.80 SOLID 20/01/2014 00:00:00 140122-25 8724466 TM048	31/1/14	Martin Cotterell	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 Receieved SDG Original Sample Method Number	RD108 0.30 SOLID 20/01/2014 00:00:00 140122-25 8724467 TM048	31/1/14	Paul Fenney	Soil containing loose fibres and ACM debris	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	RD108 1.00 SOLID 20/01/2014 00:00:00 140122-25 8724468 TM048	31/1/14	Lauren Sargeant	Loose fibres in soil	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	RD108 2.10 SOLID 20/01/2014 00:00:00 140122-25 8724470 TM048	31/1/14	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 Receieved SDG Original Sample Method Number	RD108 3.20 SOLID 20/01/2014 00:00:00 140122-25 8724471 TM048	31/1/14	Paul Fenney	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140122-25	**Location:**	Coed Darcy	**Order Number:**	CD0599
Job:	H_ATKINS_LDC-202	**Customer:**	Atkins Global Ltd	**Report Number:**	258498
Client Reference:	PHS2-RD	**Attention:**	Jack Lowrie	**Superseded Report:**	

		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 Receieved SDG Original Sample Method Number	RD108 3.80 SOLID 20/01/2014 00:00:00 140122-25 8724473 TM048	31/1/14	Lauren Sargeant	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 Receieved SDG Original Sample Method Number	RD109 0.20 SOLID 20/01/2014 00:00:00 140122-25 8724474 TM048	31/1/14	Paul Fenney	Loose fibres in soil	Not Detected (#)	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	RD109 0.80 SOLID 20/01/2014 00:00:00 140122-25 8724475 TM048	31/1/14	Paul Fenney	Loose fibres in soil	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140122-25	**Location:**	Coed Darcy	**Order Number:**	CD0599
Job:	H_ATKINS_LDC-202	**Customer:**	Atkins Global Ltd	**Report Number:**	258498
Client Reference:	PHS2-RD	**Attention:**	Jack Lowrie	**Superseded Report:**	

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)		
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS		
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		
TM157	HP 6890 Gas Chromatograph (GC) system and HP 5973 Mass Selective Detector (MSD).	Determination of SVOC in Soils by GC-MS extracted by sonication in DCM/Acetone		
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		

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

CERTIFICATE OF ANALYSIS

SDG:	140122-25	**Location:**	Coed Darcy	**Order Number:**	CD0599
Job:	H_ATKINS_LDC-202	**Customer:**	Atkins Global Ltd	**Report Number:**	258498
Client Reference:	PHS2-RD	**Attention:**	Jack Lowrie	**Superseded Report:**	

Test Completion Dates

Lab Sample No(s)	8724441	8724442	8724443	8724444	8724446	8724448	8724451	8724452	8724455	8724457
Customer Sample Ref.	RD103	RD103	RD103	RD103	RD104	RD104	RD104	RD104	RD105	RD105
AGS Ref.										
Depth	0.30	0.90	2.00	2.30	0.20	1.10	2.10	2.40	0.20	1.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	31-Jan-2014	31-Jan-2014	31-Jan-2014	31-Jan-2014	30-Jan-2014	31-Jan-2014	31-Jan-2014	31-Jan-2014	30-Jan-2014	31-Jan-2014
EPH CWG (Aliphatic) GC (S)	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014
EPH CWG (Aromatic) GC (S)	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014
GRO by GC-FID (S)	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	30-Jan-2014
Metals in solid samples by OES	31-Jan-2014	31-Jan-2014	31-Jan-2014	31-Jan-2014	31-Jan-2014	31-Jan-2014	31-Jan-2014	31-Jan-2014	31-Jan-2014	31-Jan-2014
pH	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	30-Jan-2014
Sample description	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014
Semi Volatile Organic Compounds	26-Jan-2014	26-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	26-Jan-2014	26-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014
Total Organic Carbon	30-Jan-2014	30-Jan-2014	30-Jan-2014	30-Jan-2014	31-Jan-2014	30-Jan-2014	30-Jan-2014	30-Jan-2014	30-Jan-2014	31-Jan-2014
TPH CWG GC (S)	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014	30-Jan-2014
VOC MS (S)	29-Jan-2014	30-Jan-2014	30-Jan-2014	31-Jan-2014	28-Jan-2014	30-Jan-2014	30-Jan-2014	30-Jan-2014	31-Jan-2014	30-Jan-2014

Lab Sample No(s)	8724458	8724459	8724460	8724461	8724462	8724463	8724464	8724465	8724466	8724467
Customer Sample Ref.	RD105	RD106	RD106	RD106	RD107	RD107	RD107	RD107	RD107	RD108
AGS Ref.										
Depth	1.10	0.20	1.20	1.80	0.20	1.00	2.30	3.00	3.80	0.30
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	31-Jan-2014	31-Jan-2014	31-Jan-2014	31-Jan-2014	31-Jan-2014	31-Jan-2014	31-Jan-2014	31-Jan-2014	31-Jan-2014	31-Jan-2014
EPH CWG (Aliphatic) GC (S)	27-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	27-Jan-2014
EPH CWG (Aromatic) GC (S)	27-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	27-Jan-2014
GRO by GC-FID (S)	29-Jan-2014	29-Jan-2014	29-Jan-2014	28-Jan-2014	29-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	26-Jan-2014	28-Jan-2014
Metals in solid samples by OES	31-Jan-2014	31-Jan-2014	31-Jan-2014	31-Jan-2014	31-Jan-2014	31-Jan-2014	31-Jan-2014	31-Jan-2014	31-Jan-2014	31-Jan-2014
pH	30-Jan-2014	29-Jan-2014	30-Jan-2014	30-Jan-2014	30-Jan-2014	30-Jan-2014	30-Jan-2014	30-Jan-2014	30-Jan-2014	30-Jan-2014
Sample description	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014
Semi Volatile Organic Compounds	26-Jan-2014	26-Jan-2014	29-Jan-2014	29-Jan-2014	26-Jan-2014	27-Jan-2014	26-Jan-2014	29-Jan-2014	29-Jan-2014	28-Jan-2014
Total Organic Carbon	30-Jan-2014	30-Jan-2014	30-Jan-2014	30-Jan-2014	30-Jan-2014	30-Jan-2014	30-Jan-2014	30-Jan-2014	31-Jan-2014	30-Jan-2014
TPH CWG GC (S)	29-Jan-2014	29-Jan-2014	29-Jan-2014	28-Jan-2014	29-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014
VOC MS (S)	30-Jan-2014	30-Jan-2014	30-Jan-2014	30-Jan-2014	30-Jan-2014	27-Jan-2014	27-Jan-2014	27-Jan-2014	27-Jan-2014	27-Jan-2014

Lab Sample No(s)	8724468	8724470	8724471	8724473	8724474	8724475
Customer Sample Ref.	RD108	RD108	RD108	RD108	RD109	RD109
AGS Ref.						
Depth	1.00	2.10	3.20	3.80	0.20	0.80
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	31-Jan-2014	31-Jan-2014	31-Jan-2014	31-Jan-2014	31-Jan-2014	31-Jan-2014
EPH CWG (Aliphatic) GC (S)	27-Jan-2014	27-Jan-2014	27-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014
EPH CWG (Aromatic) GC (S)	27-Jan-2014	27-Jan-2014	27-Jan-2014	28-Jan-2014	28-Jan-2014	28-Jan-2014
GRO by GC-FID (S)	29-Jan-2014	27-Jan-2014	28-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014
Metals in solid samples by OES	31-Jan-2014	31-Jan-2014	31-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014
pH	30-Jan-2014	30-Jan-2014	30-Jan-2014	30-Jan-2014	30-Jan-2014	30-Jan-2014
Sample description	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014	23-Jan-2014
Semi Volatile Organic Compounds	28-Jan-2014	28-Jan-2014	28-Jan-2014	26-Jan-2014	26-Jan-2014	26-Jan-2014
Total Organic Carbon	30-Jan-2014	30-Jan-2014	30-Jan-2014	30-Jan-2014	30-Jan-2014	30-Jan-2014
TPH CWG GC (S)	29-Jan-2014	27-Jan-2014	28-Jan-2014	29-Jan-2014	29-Jan-2014	29-Jan-2014
VOC MS (S)	29-Jan-2014	27-Jan-2014	31-Jan-2014	31-Jan-2014	30-Jan-2014	31-Jan-2014

SDG:	140122-25	**Location:**	Coed Darcy	**Order Number:**	CD0599
Job:	H_ATKINS_LDC-202	**Customer:**	Atkins Global Ltd	**Report Number:**	258498
Client Reference:	PHS2-RD	**Attention:**	Jack Lowrie	**Superseded Report:**	

Appendix
General

1. Results are expressed on a dry weight basis (dried at 35ºC) 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 Dimethyphenol, 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 presevation 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.

ALcontrol Laboratories

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Project Jonah site office
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Coed Darcy
Llandarcy
SA10 6HJ

Attention: Jack Lowrie

CERTIFICATE OF ANALYSIS

Date:	09 December 2014
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	140320-29
Your Reference:	PHS 2 POS RM
Location:	Coed Darcy
Report No:	294925

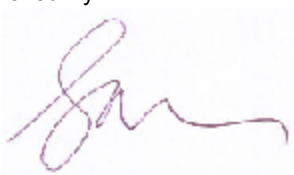
This report has been revised and directly supersedes 264755 in its entirety.

We received 16 samples on Thursday March 20, 2014 and 16 of these samples were scheduled for analysis which was completed on Friday March 28, 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

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Registered Office: Units 7 & 8 Hawarden Business Park, Manor Road, Hawarden, Deeside, CH5 3US. Registered in England and Wales No. 4057291.

CERTIFICATE OF ANALYSIS

SDG:	140320-29	**Location:**	Coed Darcy	**Order Number:**	CD0636
Job:	H_ATKINS_LDC-210	**Customer:**	Atkins Global Ltd	**Report Number:**	294925
Client Reference:	PHS 2 POS RM	**Attention:**	Jack Lowrie	**Superseded Report:**	264755

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
9008046	SMH121			18/03/2014
9008047	SMH122			18/03/2014
9008048	SMH123			18/03/2014
9008049	SMH124			18/03/2014
9008050	SMH125			18/03/2014
9008051	SMH126			18/03/2014
9008054	SMH127			18/03/2014
9008055	SMH128			18/03/2014
9008056	SMH129			18/03/2014
9008057	SMH130			18/03/2014
9008058	SMH131			18/03/2014
9008059	SMH132			18/03/2014
9008060	SMH133			18/03/2014
9008061	SMH134			18/03/2014
9008062	SMH135			18/03/2014
9008065	SMH136			18/03/2014

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

CERTIFICATE OF ANALYSIS

SDG:	140320-29	**Location:**	Coed Darcy	**Order Number:**	CD0636
Job:	H_ATKINS_LDC-210	**Customer:**	Atkins Global Ltd	**Report Number:**	294925
Client Reference:	PHS 2 POS RM	**Attention:**	Jack Lowrie	**Superseded Report:**	264755

SOLID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
9008046	SMH121			250g Amber Jar
9008047	SMH122			400g Tub (ALE214)
9008048	SMH123			60g VOC (ALE215)
9008049	SMH124			250g Amber Jar
9008050	SMH125			400g Tub (ALE214)
9008051	SMH126			60g VOC (ALE215)
9008054	SMH127			250g Amber Jar
9008055	SMH128			400g Tub (ALE214)
9008056	SMH129			60g VOC (ALE215)
9008057	SMH130			250g Amber Jar
9008058	SMH131			400g Tub (ALE214)
9008059	SMH132			60g VOC (ALE215)
9008060	SMH133			250g Amber Jar
9008061	SMH134			400g Tub (ALE214)
				60g VOC (ALE215)
				250g Amber Jar

Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 16	X X X X X X X X X X X X X X X X
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 16	X X X X X X X X X X X X X X X X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 16	X X X X X X X X X X X X X X X X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 16	X X X X X X X X X X X X X X X X
Metals in solid samples by OES	All	NDPs: 0 Tests: 16	X X X X X X X X X X X X X X X X
pH	All	NDPs: 0 Tests: 16	X X X X X X X X X X X X X X X X
Sample description	All	NDPs: 0 Tests: 16	X X X X X X X X X X X X X X X X
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 16	X X X X X X X X X X X X X X X X
Total Organic Carbon	All	NDPs: 0 Tests: 16	X X X X X X X X X X X X X X X X
TPH CWG GC (S)	All	NDPs: 0 Tests: 16	X X X X X X X X X X X X X X X X
VOC MS (S)	All	NDPs: 0 Tests: 16	X X X X X X X X X X X X X X X X

CERTIFICATE OF ANALYSIS

SDG:	140320-29	**Location:**	Coed Darcy	**Order Number:**	CD0636
Job:	H_ATKINS_LDC-210	**Customer:**	Atkins Global Ltd	**Report Number:**	294925
Client Reference:	PHS 2 POS RM	**Attention:**	Jack Lowrie	**Superseded Report:**	264755

SOLID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)			9008061	9008062	9008065
Customer Sample Reference			SMH134	SMH135	SMH136
AGS Reference					
Depth (m)					
Container			60g VOC (ALE215)	250g Amber Jar 400g Tub (ALE214) 60g VOC (ALE215)	250g Amber Jar 400g Tub (ALE214) 60g VOC (ALE215)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 16		X	X
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 16		X	X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 16		X	X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 16	X	X	X
Metals in solid samples by OES	All	NDPs: 0 Tests: 16		X	X
pH	All	NDPs: 0 Tests: 16		X	X
Sample description	All	NDPs: 0 Tests: 16		X	X
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 16		X	X
Total Organic Carbon	All	NDPs: 0 Tests: 16		X	X
TPH CWG GC (S)	All	NDPs: 0 Tests: 16		X	X
VOC MS (S)	All	NDPs: 0 Tests: 16	X	X	X

CERTIFICATE OF ANALYSIS

SDG:	140320-29	**Location:**	Coed Darcy	**Order Number:**	CD0636
Job:	H_ATKINS_LDC-210	**Customer:**	Atkins Global Ltd	**Report Number:**	294925
Client Reference:	PHS 2 POS RM	**Attention:**	Jack Lowrie	**Superseded Report:**	264755

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
9008046	SMH121		Light Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9008047	SMH122		Light Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9008048	SMH123		Light Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9008049	SMH124		Light Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9008050	SMH125		Light Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9008051	SMH126		Light Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9008054	SMH127		Light Brown	Sandy Clay	0.1 - 2 mm	Stones	None
9008055	SMH128		Light Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9008056	SMH129		Light Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9008057	SMH130		Light Brown	Sandy Clay	0.1 - 2 mm	Stones	None
9008058	SMH131		Light Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9008059	SMH132		Light Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9008060	SMH133		Light Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9008061	SMH134		Light Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9008062	SMH135		Light Brown	Sandy Clay	0.1 - 2 mm	Stones	None
9008065	SMH136		Light Brown	Sandy Clay	0.1 - 2 mm	Stones	None

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 ocurring 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.

CERTIFICATE OF ANALYSIS

SDG:	140320-29	**Location:**	Coed Darcy	**Order Number:**	CD0636
Job:	H_ATKINS_LDC-210	**Customer:**	Atkins Global Ltd	**Report Number:**	294925
Client Reference:	PHS 2 POS RM	**Attention:**	Jack Lowrie	**Superseded Report:**	264755

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH121	SMH122	SMH123	SMH124	SMH125	SMH126
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/03/2014	18/03/2014	18/03/2014	18/03/2014	18/03/2014	18/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			SDG Ref	140320-29	140320-29	140320-29	140320-29	140320-29	140320-29
			Lab Sample No.(s)	9008046	9008047	9008048	9008049	9008050	9008051
			AGS Reference						
Moisture Content Ratio	%	PM024		4.2	3.5	3.4	7.7	4.1	3.8
Soil Organic Matter (SOM)	<0.35 %	TM132		1.1 #	1.31 #	1.09 #	0.957 #	0.859 #	0.814 #
pH	1 pH Units	TM133		8.1 M	8.15 M	8.08 M	8.22 M	8.17 M	8.13 M
Arsenic	<0.6 mg/kg	TM181		16 M	17.7 M	17.4 M	18.3 M	15.5 M	21.2 M
Cadmium	<0.02 mg/kg	TM181		1.03 M	0.939 M	1.25 M	1.43 M	0.908 M	1.73 M
Chromium	<0.9 mg/kg	TM181		18.9 M	21.2 M	22 M	23.3 M	17.5 M	26.8 M
Copper	<1.4 mg/kg	TM181		23 M	27.2 M	25.9 M	26.7 M	21.2 M	26.7 M
Lead	<0.7 mg/kg	TM181		64.8 M	74 M	77.5 M	82.1 M	59.3 M	102 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		19.6 M	22.3 M	23.1 M	26 M	18.4 M	29.5 M
Selenium	<1 mg/kg	TM181		1.63 #	1.18 #	1.24 #	1.59 #	1.22 #	1.95 #
Vanadium	<0.2 mg/kg	TM181		30.7 #	34.7 #	37.5 #	38.5 #	31.5 #	53 #
Zinc	<1.9 mg/kg	TM181		248 M	206 M	320 M	336 M	230 M	471 M

CERTIFICATE OF ANALYSIS

SDG:	140320-29	**Location:**	Coed Darcy	**Order Number:**	CD0636
Job:	H_ATKINS_LDC-210	**Customer:**	Atkins Global Ltd	**Report Number:**	294925
Client Reference:	PHS 2 POS RM	**Attention:**	Jack Lowrie	**Superseded Report:**	264755

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH127	SMH128	SMH129	SMH130	SMH131	SMH132
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/03/2014	18/03/2014	18/03/2014	18/03/2014	18/03/2014	18/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			SDG Ref	140320-29	140320-29	140320-29	140320-29	140320-29	140320-29
			Lab Sample No.(s)	9008054	9008055	9008056	9008057	9008058	9008059
			AGS Reference						
Moisture Content Ratio	%	PM024		3.2	11	4.6	6.6	3.9	14
Soil Organic Matter (SOM)	<0.35 %	TM132		0.857 #	1.02 #	1.13 #	1.25 #	0.786 #	0.85 #
pH	1 pH Units	TM133		8.17 M	8.11 M	8.14 M	8.07 M	8.31 M	8.02 M
Arsenic	<0.6 mg/kg	TM181		17.3 M	18 M	26.4 M	19.4 M	35.2 M	30.8 M
Cadmium	<0.02 mg/kg	TM181		1 M	1.55 M	1.38 M	1.46 M	0.815 M	4.14 M
Chromium	<0.9 mg/kg	TM181		17.8 M	23.3 M	26.1 M	22.8 M	25.1 M	36.5 M
Copper	<1.4 mg/kg	TM181		19.1 M	23.4 M	24.3 M	28.6 M	31.8 M	24.4 M
Lead	<0.7 mg/kg	TM181		59.1 M	76.6 M	79.8 M	100 M	178 M	186 M
Mercury	<0.14 mg/kg	TM181		0.314 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		18 M	24.2 M	23.7 M	29 M	25.4 M	40.9 M
Selenium	<1 mg/kg	TM181		1.23 #	1.69 #	1.31 #	2.3 #	<10 #	<10 #
Vanadium	<0.2 mg/kg	TM181		32.4 #	40.2 #	41.1 #	39.1 #	44.4 #	69.1 #
Zinc	<1.9 mg/kg	TM181		287 M	350 M	390 M	330 M	357 M	816 M

CERTIFICATE OF ANALYSIS

SDG:	140320-29	**Location:**	Coed Darcy	**Order Number:**	CD0636
Job:	H_ATKINS_LDC-210	**Customer:**	Atkins Global Ltd	**Report Number:**	294925
Client Reference:	PHS 2 POS RM	**Attention:**	Jack Lowrie	**Superseded Report:**	264755

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH133	SMH134	SMH135	SMH136		
			Depth (m)	.	.	.	.		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	18/03/2014	18/03/2014	18/03/2014	18/03/2014		
			Sample Time	.	.	.	.		
			Date Received	20/03/2014	20/03/2014	20/03/2014	20/03/2014		
			SDG Ref	140320-29	140320-29	140320-29	140320-29		
			Lab Sample No.(s)	9008060	9008061	9008062	9008065		
			AGS Reference						
Moisture Content Ratio	%	PM024		4.3	5.3	3.9	4.7		
Soil Organic Matter (SOM)	<0.35 %	TM132		1.09 #	0.838 #	1.23 #	0.729 #		
pH	1 pH Units	TM133		8.05 M	8.16 M	8.02 M	8.14 M		
Arsenic	<0.6 mg/kg	TM181		17.9 M	17.8 M	16.7 M	16.2 M		
Cadmium	<0.02 mg/kg	TM181		1.17 M	0.709 M	1.79 M	0.427 M		
Chromium	<0.9 mg/kg	TM181		23.2 M	18.6 M	20.1 M	20.3 M		
Copper	<1.4 mg/kg	TM181		25.9 M	22 M	15.4 M	23.8 M		
Lead	<0.7 mg/kg	TM181		82.6 M	66.7 M	89.4 M	68.2 M		
Mercury	<0.14 mg/kg	TM181		<0.14 M	0.216 M	<0.14 M	<0.14 M		
Nickel	<0.2 mg/kg	TM181		25.3 M	18.5 M	22.7 M	18.7 M		
Selenium	<1 mg/kg	TM181		1.39 #	<1 #	2.41 #	<1 #		
Vanadium	<0.2 mg/kg	TM181		36.9 #	28.9 #	36.4 #	28.7 #		
Zinc	<1.9 mg/kg	TM181		290 M	181 M	461 M	160 M		

CERTIFICATE OF ANALYSIS

SDG:	140320-29	**Location:**	Coed Darcy	**Order Number:**	CD0636
Job:	H_ATKINS_LDC-210	**Customer:**	Atkins Global Ltd	**Report Number:**	294925
Client Reference:	PHS 2 POS RM	**Attention:**	Jack Lowrie	**Superseded Report:**	264755

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH121	SMH122	SMH123	SMH124	SMH125	SMH126
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/03/2014	18/03/2014	18/03/2014	18/03/2014	18/03/2014	18/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			SDG Ref	140320-29	140320-29	140320-29	140320-29	140320-29	140320-29
			Lab Sample No.(s)	9008046	9008047	9008048	9008049	9008050	9008051
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		4930	517	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		6280	771	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140320-29	**Location:**	Coed Darcy	**Order Number:**	CD0636
Job:	H_ATKINS_LDC-210	**Customer:**	Atkins Global Ltd	**Report Number:**	294925
Client Reference:	PHS 2 POS RM	**Attention:**	Jack Lowrie	**Superseded Report:**	264755

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH121	SMH122	SMH123	SMH124	SMH125	SMH126
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/03/2014	18/03/2014	18/03/2014	18/03/2014	18/03/2014	18/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			SDG Ref	140320-29	140320-29	140320-29	140320-29	140320-29	140320-29
			Lab Sample No.(s)	9008046	9008047	9008048	9008049	9008050	9008051
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		2290	<100	<100	<100	<100	<100
Acenaphthylene	<100 µg/kg	TM157		229	873	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		12400	160	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		9620	3360	<100	475	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		24600	8800	352	817	370	337
Benzo(b)fluoranthene	<100 µg/kg	TM157		25500	5940	290	549	293	268
Benzo(k)fluoranthene	<100 µg/kg	TM157		18100	5810	295	600	298	270
Benzo(a)pyrene	<100 µg/kg	TM157		24300	6480	318	642	326	297
Benzo(g,h,i)perylene	<100 µg/kg	TM157		14000	2730	158	287	162	140
Chrysene	<100 µg/kg	TM157		28600	7270	360	771	379	343
Fluoranthene	<100 µg/kg	TM157		48200	19600	668	1510	692	634
Fluorene	<100 µg/kg	TM157		9190	1710	<100	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		16500	3370	177	320	187	179
Phenanthrene	<100 µg/kg	TM157		46400	14400	296	707	303	283
Pyrene	<100 µg/kg	TM157		35400	13700	498	1150	541	490
Naphthalene	<100 µg/kg	TM157		2470	175	<100	<100	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		3920	837	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140320-29	**Location:**	Coed Darcy	**Order Number:**	CD0636
Job:	H_ATKINS_LDC-210	**Customer:**	Atkins Global Ltd	**Report Number:**	294925
Client Reference:	PHS 2 POS RM	**Attention:**	Jack Lowrie	**Superseded Report:**	264755

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH127	SMH128	SMH129	SMH130	SMH131	SMH132
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/03/2014	18/03/2014	18/03/2014	18/03/2014	18/03/2014	18/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			SDG Ref	140320-29	140320-29	140320-29	140320-29	140320-29	140320-29
			Lab Sample No.(s)	9008054	9008055	9008056	9008057	9008058	9008059
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		155	<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140320-29	**Location:**	Coed Darcy	**Order Number:**	CD0636
Job:	H_ATKINS_LDC-210	**Customer:**	Atkins Global Ltd	**Report Number:**	294925
Client Reference:	PHS 2 POS RM	**Attention:**	Jack Lowrie	**Superseded Report:**	264755

Semi Volatile Organic Compounds

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH127	SMH128	SMH129	SMH130	SMH131	SMH132
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/03/2014	18/03/2014	18/03/2014	18/03/2014	18/03/2014	18/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			SDG Ref	140320-29	140320-29	140320-29	140320-29	140320-29	140320-29
			Lab Sample No.(s)	9008054	9008055	9008056	9008057	9008058	9008059
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthylene	<100 µg/kg	TM157		139	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		479	<100	<100	<100	106	<100
Benzo(a)anthracene	<100 µg/kg	TM157		1710	277	521	349	500	240
Benzo(b)fluoranthene	<100 µg/kg	TM157		1010	240	490	236	436	174
Benzo(k)fluoranthene	<100 µg/kg	TM157		1080	221	486	261	429	194
Benzo(a)pyrene	<100 µg/kg	TM157		1140	240	452	301	458	206
Benzo(g,h,i)perylene	<100 µg/kg	TM157		472	120	235	144	227	<100
Chrysene	<100 µg/kg	TM157		1380	298	592	368	516	250
Fluoranthene	<100 µg/kg	TM157		3440	558	879	601	924	474
Fluorene	<100 µg/kg	TM157		115	<100	<100	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		626	162	271	180	257	129
Phenanthrene	<100 µg/kg	TM157		2440	331	305	233	383	274
Pyrene	<100 µg/kg	TM157		2730	428	693	523	723	365
Naphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		128	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG: 140320-29 **Location:** Coed Darcy **Order Number:** CD0636
Job: H_ATKINS_LDC-210 **Customer:** Atkins Global Ltd **Report Number:** 294925
Client Reference: PHS 2 POS RM **Attention:** Jack Lowrie **Superseded Report:** 264755

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH133	SMH134	SMH135	SMH136		
			Depth (m)	.	.	.	.		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	18/03/2014	18/03/2014	18/03/2014	18/03/2014		
			Sample Time	.	.	.	.		
			Date Received	20/03/2014	20/03/2014	20/03/2014	20/03/2014		
			SDG Ref	140320-29	140320-29	140320-29	140320-29		
			Lab Sample No.(s)	9008060	9008061	9008062	9008065		
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100		
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100		
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100		
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100		
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100		
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100		
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100		
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100		
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100		
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100		
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100		
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100		
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100		
Dibenzofuran	<100 µg/kg	TM157		105	4420	<100	<100		
Carbazole	<100 µg/kg	TM157		<100	4030	<100	<100		
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100		
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100		
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100		
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100		
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100		
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100		
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100		
4-Methylphenol	<100 µg/kg	TM157		<100	149	<100	<100		
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100		
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100		
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100		
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100		
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100		
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100		
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100		
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100		
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100		

CERTIFICATE OF ANALYSIS

SDG:	140320-29	**Location:**	Coed Darcy	**Order Number:**	CD0636
Job:	H_ATKINS_LDC-210	**Customer:**	Atkins Global Ltd	**Report Number:**	294925
Client Reference:	PHS 2 POS RM	**Attention:**	Jack Lowrie	**Superseded Report:**	264755

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH133	SMH134	SMH135	SMH136		
			Depth (m)	.	.	.	.		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	18/03/2014	18/03/2014	18/03/2014	18/03/2014		
			Sample Time	.	.	.	.		
			Date Received	20/03/2014	20/03/2014	20/03/2014	20/03/2014		
			SDG Ref	140320-29	140320-29	140320-29	140320-29		
			Lab Sample No.(s)	9008060	9008061	9008062	9008065		
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100		
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100		
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100		
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100		
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100		
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100		
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100		
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100		
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100		
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100		
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100		
2-Methylnaphthalene	<100 µg/kg	TM157		<100	310	<100	<100		
Acenaphthylene	<100 µg/kg	TM157		208	5740	<100	<100		
Acenaphthene	<100 µg/kg	TM157		<100	1190	<100	<100		
Anthracene	<100 µg/kg	TM157		557	13300	<100	<100		
Benzo(a)anthracene	<100 µg/kg	TM157		2580	21200	167	363		
Benzo(b)fluoranthene	<100 µg/kg	TM157		1810	12500	115	253		
Benzo(k)fluoranthene	<100 µg/kg	TM157		1800	12900	125	269		
Benzo(a)pyrene	<100 µg/kg	TM157		2010	14900	145	307		
Benzo(g,h,i)perylene	<100 µg/kg	TM157		860	5980	<100	147		
Chrysene	<100 µg/kg	TM157		2080	19200	183	360		
Fluoranthene	<100 µg/kg	TM157		4770	51100	325	630		
Fluorene	<100 µg/kg	TM157		141	5680	<100	<100		
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		1090	8170	<100	180		
Phenanthrene	<100 µg/kg	TM157		1660	54000	170	245		
Pyrene	<100 µg/kg	TM157		3520	35400	278	546		
Naphthalene	<100 µg/kg	TM157		129	438	<100	<100		
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		253	1880	<100	<100		

CERTIFICATE OF ANALYSIS

SDG:	140320-29	**Location:**	Coed Darcy	**Order Number:**	CD0636
Job:	H_ATKINS_LDC-210	**Customer:**	Atkins Global Ltd	**Report Number:**	294925
Client Reference:	PHS 2 POS RM	**Attention:**	Jack Lowrie	**Superseded Report:**	264755

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH121	SMH122	SMH123	SMH124	SMH125	SMH126
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/03/2014	18/03/2014	18/03/2014	18/03/2014	18/03/2014	18/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			SDG Ref	140320-29	140320-29	140320-29	140320-29	140320-29	140320-29
			Lab Sample No.(s)	9008046	9008047	9008048	9008049	9008050	9008051
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		112	102	123	105	98	109
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<44 M	<44 M	49.7 M	<44 M	<44 M	<44 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	<2 M	<2 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 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		<10	<10	<10	<10	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C8-C10	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C10-C12	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C12-C16	<100 µg/kg	TM173		1850	<100	<100	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	1430	<100	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		5470	<100	13500	3050	<100	1800
Aliphatics >C35-C44	<100 µg/kg	TM173		1660	<100	4410	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		8970	<100	19300	3050	<100	1800
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC12-EC16	<100 µg/kg	TM173		3180	<100	959	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		5540	5470	9320	12400	<100	2230
Aromatics >EC21-EC35	<100 µg/kg	TM173		20400	20700	40500	30100	<100	30000
Aromatics >EC35-EC44	<100 µg/kg	TM173		10400	8470	19600	11500	<100	14700
Aromatics >EC40-EC44	<100 µg/kg	TM173		4130	2660	7710	4020	<100	4470
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		39500	25300	70400	54100	<100	37500
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		48500	25300	89700	57200	<100	39300

CERTIFICATE OF ANALYSIS

SDG:	140320-29	**Location:**	Coed Darcy	**Order Number:**	CD0636
Job:	H_ATKINS_LDC-210	**Customer:**	Atkins Global Ltd	**Report Number:**	294925
Client Reference:	PHS 2 POS RM	**Attention:**	Jack Lowrie	**Superseded Report:**	264755

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH127	SMH128	SMH129	SMH130	SMH131	SMH132
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/03/2014	18/03/2014	18/03/2014	18/03/2014	18/03/2014	18/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			SDG Ref	140320-29	140320-29	140320-29	140320-29	140320-29	140320-29
			Lab Sample No.(s)	9008054	9008055	9008056	9008057	9008058	9008059
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		98	101	90	105	103	91
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<44 M	<44 M	<44 M	<44 M	<44 M	<44 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	<2 M	<2 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 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		<10	<10	<10	<10	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C8-C10	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C10-C12	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C12-C16	<100 µg/kg	TM173		550	<100	887	226	879	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		2530	<100	3610	3280	3040	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		12200	<100	14700	13500	12100	2330
Aliphatics >C35-C44	<100 µg/kg	TM173		6220	<100	5970	5680	5440	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		21500	<100	25200	22700	21500	2330
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC12-EC16	<100 µg/kg	TM173		428	<100	3160	691	962	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		5670	7670	31800	14500	6900	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		25200	24600	74300	48700	24000	1980
Aromatics >EC35-EC44	<100 µg/kg	TM173		15900	6720	22900	20300	12000	5960
Aromatics >EC40-EC44	<100 µg/kg	TM173		7520	2220	8590	8420	4860	2130
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		47200	28900	132000	84200	43800	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		68700	28900	157000	107000	65300	2330

CERTIFICATE OF ANALYSIS

SDG:	140320-29	**Location:**	Coed Darcy	**Order Number:**	CD0636
Job:	H_ATKINS_LDC-210	**Customer:**	Atkins Global Ltd	**Report Number:**	294925
Client Reference:	PHS 2 POS RM	**Attention:**	Jack Lowrie	**Superseded Report:**	264755

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH133	SMH134	SMH135	SMH136		
			Depth (m)	.	.	.	.		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	18/03/2014	18/03/2014	18/03/2014	18/03/2014		
			Sample Time	.	.	.	.		
			Date Received	20/03/2014	20/03/2014	20/03/2014	20/03/2014		
			SDG Ref	140320-29	140320-29	140320-29	140320-29		
			Lab Sample No.(s)	9008060	9008061	9008062	9008065		
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		98	100	108	86		
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		56.4 M	<44 M	<44 M	<44 M		
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M		
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M		
Toluene	<2 µg/kg	TM089		<2 M	<2 M	<2 M	<2 M		
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M		
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M		
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M		
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9		
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	<24		
Aliphatics >C5-C6	<10 µg/kg	TM089		<10	<10	<10	<10		
Aliphatics >C6-C8	<10 µg/kg	TM089		<10	<10	<10	<10		
Aliphatics >C8-C10	<10 µg/kg	TM089		11.5	<10	<10	<10		
Aliphatics >C10-C12	<10 µg/kg	TM089		13.6	<10	<10	<10		
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	<100	<100		
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	1410	365		
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	<100	11700	14100		
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	5860	6020		
Total Aliphatics >C12-C44	<100 µg/kg	TM173		<100	<100	19000	20500		
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10		
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10		
Aromatics >EC8-EC10	<10 µg/kg	TM089		<10	<10	<10	<10		
Aromatics >EC10-EC12	<10 µg/kg	TM089		<10	<10	<10	<10		
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	946	2640		
Aromatics >EC16-EC21	<100 µg/kg	TM173		4200	3570	3580	7390		
Aromatics >EC21-EC35	<100 µg/kg	TM173		11200	10400	13300	42200		
Aromatics >EC35-EC44	<100 µg/kg	TM173		6150	9460	11800	33300		
Aromatics >EC40-EC44	<100 µg/kg	TM173		1790	3940	5080	14200		
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		12000	17100	29600	85500		
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		12100	17100	48500	106000		

CERTIFICATE OF ANALYSIS

SDG:	140320-29	**Location:**	Coed Darcy	**Order Number:**	CD0636
Job:	H_ATKINS_LDC-210	**Customer:**	Atkins Global Ltd	**Report Number:**	294925
Client Reference:	PHS 2 POS RM	**Attention:**	Jack Lowrie	**Superseded Report:**	264755

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH121	SMH122	SMH123	SMH124	SMH125	SMH126
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/03/2014	18/03/2014	18/03/2014	18/03/2014	18/03/2014	18/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			SDG Ref	140320-29	140320-29	140320-29	140320-29	140320-29	140320-29
			Lab Sample No.(s)	9008046	9008047	9008048	9008049	9008050	9008051
			AGS Reference						
Dibromofluoromethane**	%	TM116		107	100	88.3	97.8	98.7	82
Toluene-d8**	%	TM116		103	100	97.8	101	102	98.8
4-Bromofluorobenzene**	%	TM116		107	108	113	115	111	114
Dichlorodifluoromethane	<4 µg/kg	TM116		<4 #	<4 #	<4 #	<4 #	<4 #	<4 #
Chloromethane	<7 µg/kg	TM116		<7	<7	<7	<7	<7	<7
Vinyl Chloride	<10 µg/kg	TM116		<10	<10	<10	<10	<10	<10
Bromomethane	<13 µg/kg	TM116		<13 #	<13 #	<13 #	<13 #	<13 #	<13 #
Chloroethane	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
Trichlorofluorormethane	<6 µg/kg	TM116		<6 #	<6 #	<6 #	<6 #	<6 #	<6 #
1,1-Dichloroethene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Carbon Disulphide	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	<7 M	<7 M
Dichloromethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<11	<11	<11	<11	<11	<11
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<11 #	<11 #	<11 #	<11 #	<11 #	<11 #
1,1-Dichloroethane	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
2,2-Dichloropropane	<12 µg/kg	TM116		<12	<12	<12	<12	<12	<12
Bromochloromethane	<14 µg/kg	TM116		<14 #	<14 #	<14 #	<14 #	<14 #	<14 #
Chloroform	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	<7 M	<7 M
1,1-Dichloropropene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M	<11 M	<11 M
Carbontetrachloride	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
1,2-Dichloroethane	<5 µg/kg	TM116		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
Benzene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M	<9 M	<9 M
Trichloroethene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M	<9 M	<9 M
1,2-Dichloropropane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Dibromomethane	<9 µg/kg	TM116		<9 #	<9 #	<9 #	<9 #	<9 #	<9 #
Bromodichloromethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	<7 M	<7 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<14	<14	<14	<14	<14	<14
Toluene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<100	<100	<100	<100	<100	<100
1,1,2-Trichloroethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #

CERTIFICATE OF ANALYSIS

SDG:	140320-29	**Location:**	Coed Darcy	**Order Number:**	CD0636
Job:	H_ATKINS_LDC-210	**Customer:**	Atkins Global Ltd	**Report Number:**	294925
Client Reference:	PHS 2 POS RM	**Attention:**	Jack Lowrie	**Superseded Report:**	264755

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH121	SMH122	SMH123	SMH124	SMH125	SMH126
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/03/2014	18/03/2014	18/03/2014	18/03/2014	18/03/2014	18/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			SDG Ref	140320-29	140320-29	140320-29	140320-29	140320-29	140320-29
			Lab Sample No.(s)	9008046	9008047	9008048	9008049	9008050	9008051
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<7 #	<7 #	<7 #	<7 #	<7 #	<7 #
Tetrachloroethene	<5 µg/kg	TM116		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
Dibromochloromethane	<13 µg/kg	TM116		<13 #	<13 #	<13 #	<13 #	<13 #	<13 #
1,2-Dibromoethane	<12 µg/kg	TM116		<12 #	<12 #	<12 #	<12 #	<12 #	<12 #
Chlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Ethylbenzene	<4 µg/kg	TM116		<4 #	<4 #	<4 #	<4 #	<4 #	<4 #
p/m-Xylene	<14 µg/kg	TM116		<14 #	<14 #	<14 #	<14 #	<14 #	<14 #
o-Xylene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Styrene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Bromoform	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Isopropylbenzene	<5 µg/kg	TM116		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<17 #	<17 #	<17 #	<17 #	<17 #	<17 #
Bromobenzene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Propylbenzene	<11 µg/kg	TM116		<11 #	<11 #	<11 #	<11 #	<11 #	<11 #
2-Chlorotoluene	<9 µg/kg	TM116		<9 #	<9 #	<9 #	<9 #	<9 #	<9 #
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<8 #	<8 #	<8 #	<8 #	<8 #	<8 #
4-Chlorotoluene	<12 µg/kg	TM116		<12 #	<12 #	<12 #	<12 #	<12 #	<12 #
tert-Butylbenzene	<12 µg/kg	TM116		<12 #	<12 #	<12 #	<12 #	<12 #	<12 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<9 #	<9 #	<9 #	<9 #	<9 #	<9 #
sec-Butylbenzene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
4-Isopropyltoluene	<11 µg/kg	TM116		<11 #	<11 #	<11 #	<11 #	<11 #	<11 #
1,3-Dichlorobenzene	<6 µg/kg	TM116		<6 #	<6 #	<6 #	<6 #	<6 #	<6 #
1,4-Dichlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
n-Butylbenzene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
1,2-Dichlorobenzene	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<14 #	<14 #	<14 #	<14 #	<14 #	<14 #
Tert-amyl methyl ether	<15 µg/kg	TM116		<15	<15	<15	<15	<15	<15
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<6 #	<6 #	<6 #	<6 #	<6 #	<6 #
Hexachlorobutadiene	<12 µg/kg	TM116		<12	<12	<12	<12	<12	<12
Naphthalene	<13 µg/kg	TM116		<13 #	<13 #	<13 #	<13 #	<13 #	<13 #

CERTIFICATE OF ANALYSIS

SDG:	140320-29	**Location:**	Coed Darcy	**Order Number:**	CD0636
Job:	H_ATKINS_LDC-210	**Customer:**	Atkins Global Ltd	**Report Number:**	294925
Client Reference:	PHS 2 POS RM	**Attention:**	Jack Lowrie	**Superseded Report:**	264755

VOC MS (S)

Results Legend		Customer Sample Ref.	SMH121	SMH122	SMH123	SMH124	SMH125	SMH126
#	ISO17025 accredited.							
M	*m*CERTS 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)							
		Depth (m)	.	.	.	.	.	.
		Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
		Date Sampled	18/03/2014	18/03/2014	18/03/2014	18/03/2014	18/03/2014	18/03/2014
		Sample Time	.	.	.	.	.	.
		Date Received	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
		SDG Ref	140320-29	140320-29	140320-29	140320-29	140320-29	140320-29
		Lab Sample No.(s)	9008046	9008047	9008048	9008049	9008050	9008051
		AGS Reference						

Component	LOD/Units	Method						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	<6 #	<6 #	<6 #	<6 #	<6 #	<6 #

CERTIFICATE OF ANALYSIS

SDG:	140320-29	**Location:**	Coed Darcy	**Order Number:**	CD0636
Job:	H_ATKINS_LDC-210	**Customer:**	Atkins Global Ltd	**Report Number:**	294925
Client Reference:	PHS 2 POS RM	**Attention:**	Jack Lowrie	**Superseded Report:**	264755

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH127	SMH128	SMH129	SMH130	SMH131	SMH132
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/03/2014	18/03/2014	18/03/2014	18/03/2014	18/03/2014	18/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			SDG Ref	140320-29	140320-29	140320-29	140320-29	140320-29	140320-29
			Lab Sample No.(s)	9008054	9008055	9008056	9008057	9008058	9008059
			AGS Reference						
Dibromofluoromethane**	%	TM116		98.1	97.1	77	101	99.6	102
Toluene-d8**	%	TM116		101	102	98.1	103	102	101
4-Bromofluorobenzene**	%	TM116		115	110	115	115	109	111
Dichlorodifluoromethane	<4 µg/kg	TM116		<4 #	<4 #	<4 #	<4 #	<4 #	<4 #
Chloromethane	<7 µg/kg	TM116		<7	<7	<7	<7	<7	<7
Vinyl Chloride	<10 µg/kg	TM116		<10	<10	<10	<10	<10	<10
Bromomethane	<13 µg/kg	TM116		<13 #	<13 #	<13 #	<13 #	<13 #	<13 #
Chloroethane	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
Trichlorofluorormethane	<6 µg/kg	TM116		<6 #	<6 #	<6 #	<6 #	<6 #	<6 #
1,1-Dichloroethene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Carbon Disulphide	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	<7 M	<7 M
Dichloromethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<11	<11	<11	<11	<11	<11
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<11 #	<11 #	<11 #	<11 #	<11 #	<11 #
1,1-Dichloroethane	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
2,2-Dichloropropane	<12 µg/kg	TM116		<12	<12	<12	<12	<12	<12
Bromochloromethane	<14 µg/kg	TM116		<14 #	<14 #	<14 #	<14 #	<14 #	<14 #
Chloroform	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	<7 M	<7 M
1,1-Dichloropropene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M	<11 M	<11 M
Carbontetrachloride	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
1,2-Dichloroethane	<5 µg/kg	TM116		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
Benzene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M	<9 M	<9 M
Trichloroethene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M	<9 M	<9 M
1,2-Dichloropropane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Dibromomethane	<9 µg/kg	TM116		<9 #	<9 #	<9 #	<9 #	<9 #	<9 #
Bromodichloromethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	<7 M	<7 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<14	<14	<14	<14	<14	<14
Toluene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<100	<100	<100	<100	<100	<100
1,1,2-Trichloroethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #

CERTIFICATE OF ANALYSIS

SDG:	140320-29	**Location:**	Coed Darcy	**Order Number:**	CD0636
Job:	H_ATKINS_LDC-210	**Customer:**	Atkins Global Ltd	**Report Number:**	294925
Client Reference:	PHS 2 POS RM	**Attention:**	Jack Lowrie	**Superseded Report:**	264755

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH127	SMH128	SMH129	SMH130	SMH131	SMH132
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/03/2014	18/03/2014	18/03/2014	18/03/2014	18/03/2014	18/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			SDG Ref	140320-29	140320-29	140320-29	140320-29	140320-29	140320-29
			Lab Sample No.(s)	9008054	9008055	9008056	9008057	9008058	9008059
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<7 #	<7 #	<7 #	<7 #	<7 #	<7 #
Tetrachloroethene	<5 µg/kg	TM116		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
Dibromochloromethane	<13 µg/kg	TM116		<13 #	<13 #	<13 #	<13 #	<13 #	<13 #
1,2-Dibromoethane	<12 µg/kg	TM116		<12 #	<12 #	<12 #	<12 #	<12 #	<12 #
Chlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Ethylbenzene	<4 µg/kg	TM116		<4 #	<4 #	<4 #	<4 #	<4 #	<4 #
p/m-Xylene	<14 µg/kg	TM116		<14 #	<14 #	<14 #	<14 #	<14 #	<14 #
o-Xylene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Styrene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Bromoform	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Isopropylbenzene	<5 µg/kg	TM116		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<17 #	<17 #	<17 #	<17 #	<17 #	<17 #
Bromobenzene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Propylbenzene	<11 µg/kg	TM116		<11 #	<11 #	<11 #	<11 #	<11 #	<11 #
2-Chlorotoluene	<9 µg/kg	TM116		<9 #	<9 #	<9 #	<9 #	<9 #	<9 #
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<8 #	<8 #	<8 #	<8 #	<8 #	<8 #
4-Chlorotoluene	<12 µg/kg	TM116		<12 #	<12 #	<12 #	<12 #	<12 #	<12 #
tert-Butylbenzene	<12 µg/kg	TM116		<12 #	<12 #	<12 #	<12 #	<12 #	<12 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<9 #	<9 #	<9 #	<9 #	<9 #	<9 #
sec-Butylbenzene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
4-Isopropyltoluene	<11 µg/kg	TM116		<11 #	<11 #	<11 #	<11 #	<11 #	<11 #
1,3-Dichlorobenzene	<6 µg/kg	TM116		<6 #	<6 #	<6 #	<6 #	<6 #	<6 #
1,4-Dichlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
n-Butylbenzene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
1,2-Dichlorobenzene	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<14 #	<14 #	<14 #	<14 #	<14 #	<14 #
Tert-amyl methyl ether	<15 µg/kg	TM116		<15	<15	<15	<15	<15	<15
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<6 #	<6 #	<6 #	<6 #	<6 #	<6 #
Hexachlorobutadiene	<12 µg/kg	TM116		<12	<12	<12	<12	<12	<12
Naphthalene	<13 µg/kg	TM116		<13 #	<13 #	<13 #	<13 #	<13 #	<13 #

CERTIFICATE OF ANALYSIS

SDG:	140320-29	**Location:**	Coed Darcy	**Order Number:**	CD0636
Job:	H_ATKINS_LDC-210	**Customer:**	Atkins Global Ltd	**Report Number:**	294925
Client Reference:	PHS 2 POS RM	**Attention:**	Jack Lowrie	**Superseded Report:**	264755

VOC MS (S)

Results Legend		Customer Sample Ref.	SMH127	SMH128	SMH129	SMH130	SMH131	SMH132
#	ISO17025 accredited.							
M	*m*CERTS 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)							
		Depth (m)	.	.	.	.	.	.
		Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
		Date Sampled	18/03/2014	18/03/2014	18/03/2014	18/03/2014	18/03/2014	18/03/2014
		Sample Time	.	.	.	.	.	.
		Date Received	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
		SDG Ref	140320-29	140320-29	140320-29	140320-29	140320-29	140320-29
		Lab Sample No.(s)	9008054	9008055	9008056	9008057	9008058	9008059
		AGS Reference						

Component	LOD/Units	Method						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	<6 #	<6 #	<6 #	<6 #	<6 #	<6 #

CERTIFICATE OF ANALYSIS

SDG:	140320-29	**Location:**	Coed Darcy	**Order Number:**	CD0636
Job:	H_ATKINS_LDC-210	**Customer:**	Atkins Global Ltd	**Report Number:**	294925
Client Reference:	PHS 2 POS RM	**Attention:**	Jack Lowrie	**Superseded Report:**	264755

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH133	SMH134	SMH135	SMH136		
			Depth (m)	.	.	.	.		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	18/03/2014	18/03/2014	18/03/2014	18/03/2014		
			Sample Time	.	.	.	.		
			Date Received	20/03/2014	20/03/2014	20/03/2014	20/03/2014		
			SDG Ref	140320-29	140320-29	140320-29	140320-29		
			Lab Sample No.(s)	9008060	9008061	9008062	9008065		
			AGS Reference						
Dibromofluoromethane**	%	TM116		83.1	82.3	96.9	98		
Toluene-d8**	%	TM116		99.8	100	103	101		
4-Bromofluorobenzene**	%	TM116		111	111	111	111		
Dichlorodifluoromethane	<4 µg/kg	TM116		<4 #	<4 #	<4 #	<4 #		
Chloromethane	<7 µg/kg	TM116		<7	<7	<7	<7		
Vinyl Chloride	<10 µg/kg	TM116		<10	<10	<10	<10		
Bromomethane	<13 µg/kg	TM116		<13 #	<13 #	<13 #	<13 #		
Chloroethane	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M		
Trichlorofluorormethane	<6 µg/kg	TM116		<6 #	<6 #	<6 #	<6 #		
1,1-Dichloroethene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M		
Carbon Disulphide	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M		
Dichloromethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #		
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<11	<11	<11	<11		
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<11 #	<11 #	<11 #	<11 #		
1,1-Dichloroethane	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<8 M		
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M		
2,2-Dichloropropane	<12 µg/kg	TM116		<12	<12	<12	<12		
Bromochloromethane	<14 µg/kg	TM116		<14 #	<14 #	<14 #	<14 #		
Chloroform	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<8 M		
1,1,1-Trichloroethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M		
1,1-Dichloropropene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M		
Carbontetrachloride	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M		
1,2-Dichloroethane	<5 µg/kg	TM116		<5 #	<5 #	<5 #	<5 #		
Benzene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M		
Trichloroethene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M		
1,2-Dichloropropane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M		
Dibromomethane	<9 µg/kg	TM116		<9 #	<9 #	<9 #	<9 #		
Bromodichloromethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M		
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<14	<14	<14	<14		
Toluene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M		
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<100	<100	<100	<100		
1,1,2-Trichloroethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #		

CERTIFICATE OF ANALYSIS

SDG:	140320-29	**Location:**	Coed Darcy	**Order Number:**	CD0636
Job:	H_ATKINS_LDC-210	**Customer:**	Atkins Global Ltd	**Report Number:**	294925
Client Reference:	PHS 2 POS RM	**Attention:**	Jack Lowrie	**Superseded Report:**	264755

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH133	SMH134	SMH135	SMH136		
			Depth (m)	.	.	.	.		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	18/03/2014	18/03/2014	18/03/2014	18/03/2014		
			Sample Time	.	.	.	.		
			Date Received	20/03/2014	20/03/2014	20/03/2014	20/03/2014		
			SDG Ref	140320-29	140320-29	140320-29	140320-29		
			Lab Sample No.(s)	9008060	9008061	9008062	9008065		
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<7 #	<7 #	<7 #	<7 #		
Tetrachloroethene	<5 µg/kg	TM116		<5 #	<5 #	<5 #	<5 #		
Dibromochloromethane	<13 µg/kg	TM116		<13 #	<13 #	<13 #	<13 #		
1,2-Dibromoethane	<12 µg/kg	TM116		<12 #	<12 #	<12 #	<12 #		
Chlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M		
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M		
Ethylbenzene	<4 µg/kg	TM116		<4 #	<4 #	<4 #	<4 #		
p/m-Xylene	<14 µg/kg	TM116		<14 #	<14 #	<14 #	<14 #		
o-Xylene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #		
Styrene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #		
Bromoform	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #		
Isopropylbenzene	<5 µg/kg	TM116		<5 #	<5 #	<5 #	<5 #		
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #		
1,2,3-Trichloropropane	<17 µg/kg	TM116		<17 #	<17 #	<17 #	<17 #		
Bromobenzene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M		
Propylbenzene	<11 µg/kg	TM116		<11 #	<11 #	<11 #	<11 #		
2-Chlorotoluene	<9 µg/kg	TM116		<9 #	<9 #	<9 #	<9 #		
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<8 #	<8 #	<8 #	<8 #		
4-Chlorotoluene	<12 µg/kg	TM116		<12 #	<12 #	<12 #	<12 #		
tert-Butylbenzene	<12 µg/kg	TM116		<12 #	<12 #	<12 #	<12 #		
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<9 #	<9 #	<9 #	<9 #		
sec-Butylbenzene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #		
4-Isopropyltoluene	<11 µg/kg	TM116		<11 #	<11 #	<11 #	<11 #		
1,3-Dichlorobenzene	<6 µg/kg	TM116		<6 #	<6 #	<6 #	<6 #		
1,4-Dichlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M		
n-Butylbenzene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #		
1,2-Dichlorobenzene	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M		
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<14 #	<14 #	<14 #	<14 #		
Tert-amyl methyl ether	<15 µg/kg	TM116		<15	<15	<15	<15		
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<6 #	<6 #	<6 #	<6 #		
Hexachlorobutadiene	<12 µg/kg	TM116		<12	<12	<12	<12		
Naphthalene	<13 µg/kg	TM116		<13 #	<13 #	<13 #	<13 #		

CERTIFICATE OF ANALYSIS

SDG:	140320-29	**Location:**	Coed Darcy	**Order Number:**	CD0636
Job:	H_ATKINS_LDC-210	**Customer:**	Atkins Global Ltd	**Report Number:**	294925
Client Reference:	PHS 2 POS RM	**Attention:**	Jack Lowrie	**Superseded Report:**	264755

VOC MS (S)

Results Legend		Customer Sample Ref.	SMH133	SMH134	SMH135	SMH136		
#	ISO17025 accredited.							
M	*m*CERTS accredited.							
aq	Aqueous / settled sample.	Depth (m)	.	.	.	.		
diss.filt	Dissolved / filtered sample.	Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
tot.unfilt	Total / unfiltered sample.	Date Sampled	18/03/2014	18/03/2014	18/03/2014	18/03/2014		
*	Subcontracted test.	Sample Time	.	.	.	.		
**	% 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	Date Received	20/03/2014	20/03/2014	20/03/2014	20/03/2014		
		SDG Ref	140320-29	140320-29	140320-29	140320-29		
(F)	Trigger breach confirmed	Lab Sample No.(s)	9008060	9008061	9008062	9008065		
1-5&♦§@	Sample deviation (see appendix)	AGS Reference						
Component	**LOD/Units**	**Method**						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	<6 #	<6 #	<6 #	<6 #		

CERTIFICATE OF ANALYSIS

SDG:	140320-29	**Location:**	Coed Darcy	**Order Number:**	CD0636
Job:	H_ATKINS_LDC-210	**Customer:**	Atkins Global Ltd	**Report Number:**	294925
Client Reference:	PHS 2 POS RM	**Attention:**	Jack Lowrie	**Superseded Report:**	264755

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 Receieved SDG Original Sample Method Number	SMH121 SOLID 18/03/2014 00:00:00 140320-29 9008046 TM048	26/03/14	Martin Cotterell	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SMH122 SOLID 18/03/2014 00:00:00 140320-29 9008047 TM048	25/03/14	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 Receieved SDG Original Sample Method Number	SMH123 SOLID 18/03/2014 00:00:00 140320-29 9008048 TM048	26/03/14	Martin Cotterell	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SMH124 SOLID 18/03/2014 00:00:00 140320-29 9008049 TM048	25/03/14	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 Receieved SDG Original Sample Method Number	SMH125 SOLID 18/03/2014 00:00:00 140320-29 9008050 TM048	26/03/14	Martin Cotterell	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG: 140320-29 **Location:** Coed Darcy **Order Number:** CD0636
Job: H_ATKINS_LDC-210 **Customer:** Atkins Global Ltd **Report Number:** 294925
Client Reference: PHS 2 POS RM **Attention:** Jack Lowrie **Superseded Report:** 264755

		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 Receieved SDG Original Sample Method Number	SMH126 SOLID 18/03/2014 00:00:00 140320-29 9008051 TM048	25/03/14	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 Receieved SDG Original Sample Method Number	SMH127 SOLID 18/03/2014 00:00:00 140320-29 9008054 TM048	26/03/14	Martin Cotterell	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SMH128 SOLID 18/03/2014 00:00:00 140320-29 9008055 TM048	25/03/14	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 Receieved SDG Original Sample Method Number	SMH129 SOLID 18/03/2014 00:00:00 140320-29 9008056 TM048	25/03/14	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 Receieved SDG Original Sample Method Number	SMH130 SOLID 18/03/2014 00:00:00 140320-29 9008057 TM048	25/03/14	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 Receieved SDG Original Sample Method Number	SMH131 SOLID 18/03/2014 00:00:00 140320-29 9008058 TM048	25/03/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG: 140320-29 **Location:** Coed Darcy **Order Number:** CD0636
Job: H_ATKINS_LDC-210 **Customer:** Atkins Global Ltd **Report Number:** 294925
Client Reference: PHS 2 POS RM **Attention:** Jack Lowrie **Superseded Report:** 264755

		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 Receieved SDG Original Sample Method Number	SMH132 SOLID 18/03/2014 00:00:00 140320-29 9008059 TM048	26/03/14	Martin Cotterell	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SMH133 SOLID 18/03/2014 00:00:00 140320-29 9008060 TM048	25/03/14	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 Receieved SDG Original Sample Method Number	SMH134 SOLID 18/03/2014 00:00:00 140320-29 9008061 TM048	25/03/14	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 Receieved SDG Original Sample Method Number	SMH135 SOLID 18/03/2014 00:00:00 140320-29 9008062 TM048	25/03/14	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 Receieved SDG Original Sample Method Number	SMH136 SOLID 18/03/2014 00:00:00 140320-29 9008065 TM048	25/03/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

SDG:	140320-29	**Location:**	Coed Darcy	**Order Number:**	CD0636
Job:	H_ATKINS_LDC-210	**Customer:**	Atkins Global Ltd	**Report Number:**	294925
Client Reference:	PHS 2 POS RM	**Attention:**	Jack Lowrie	**Superseded Report:**	264755

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)		
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS		
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		
TM157	HP 6890 Gas Chromatograph (GC) system and HP 5973 Mass Selective Detector (MSD).	Determination of SVOC in Soils by GC-MS extracted by sonication in DCM/Acetone		
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		

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

CERTIFICATE OF ANALYSIS

SDG:	140320-29	**Location:**	Coed Darcy	**Order Number:**	CD0636
Job:	H_ATKINS_LDC-210	**Customer:**	Atkins Global Ltd	**Report Number:**	294925
Client Reference:	PHS 2 POS RM	**Attention:**	Jack Lowrie	**Superseded Report:**	264755

Test Completion Dates

Lab Sample No(s)	9008046	9008047	9008048	9008049	9008050	9008051	9008054	9008055	9008056	9008057
Customer Sample Ref.	SMH121	SMH122	SMH123	SMH124	SMH125	SMH126	SMH127	SMH128	SMH129	SMH130
AGS Ref.										
Depth										
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	26-Mar-2014	26-Mar-2014	26-Mar-2014	26-Mar-2014	26-Mar-2014	26-Mar-2014	26-Mar-2014	26-Mar-2014	26-Mar-2014	26-Mar-2014
EPH CWG (Aliphatic) GC (S)	26-Mar-2014	25-Mar-2014	26-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014
EPH CWG (Aromatic) GC (S)	26-Mar-2014	25-Mar-2014	26-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014
GRO by GC-FID (S)	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014
Metals in solid samples by OES	26-Mar-2014	26-Mar-2014	26-Mar-2014	26-Mar-2014	26-Mar-2014	26-Mar-2014	28-Mar-2014	26-Mar-2014	26-Mar-2014	28-Mar-2014
pH	26-Mar-2014	26-Mar-2014	26-Mar-2014	26-Mar-2014	26-Mar-2014	26-Mar-2014	26-Mar-2014	26-Mar-2014	26-Mar-2014	26-Mar-2014
Sample description	20-Mar-2014	20-Mar-2014	20-Mar-2014	20-Mar-2014	20-Mar-2014	20-Mar-2014	20-Mar-2014	20-Mar-2014	20-Mar-2014	20-Mar-2014
Semi Volatile Organic Compounds	22-Mar-2014	22-Mar-2014	22-Mar-2014	22-Mar-2014	22-Mar-2014	22-Mar-2014	22-Mar-2014	22-Mar-2014	22-Mar-2014	22-Mar-2014
Total Organic Carbon	26-Mar-2014	26-Mar-2014	26-Mar-2014	26-Mar-2014	26-Mar-2014	26-Mar-2014	27-Mar-2014	26-Mar-2014	26-Mar-2014	27-Mar-2014
TPH CWG GC (S)	26-Mar-2014	25-Mar-2014	26-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014
VOC MS (S)	25-Mar-2014	25-Mar-2014	27-Mar-2014	25-Mar-2014	25-Mar-2014	27-Mar-2014	25-Mar-2014	25-Mar-2014	27-Mar-2014	25-Mar-2014

Lab Sample No(s)	9008058	9008059	9008060	9008061	9008062	9008065
Customer Sample Ref.	SMH131	SMH132	SMH133	SMH134	SMH135	SMH136
AGS Ref.						
Depth						
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	26-Mar-2014	26-Mar-2014	26-Mar-2014	26-Mar-2014	26-Mar-2014	26-Mar-2014
EPH CWG (Aliphatic) GC (S)	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014	24-Mar-2014	24-Mar-2014
EPH CWG (Aromatic) GC (S)	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014	24-Mar-2014	24-Mar-2014
GRO by GC-FID (S)	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014
Metals in solid samples by OES	27-Mar-2014	26-Mar-2014	26-Mar-2014	26-Mar-2014	28-Mar-2014	28-Mar-2014
pH	26-Mar-2014	26-Mar-2014	26-Mar-2014	26-Mar-2014	26-Mar-2014	26-Mar-2014
Sample description	20-Mar-2014	20-Mar-2014	20-Mar-2014	20-Mar-2014	20-Mar-2014	20-Mar-2014
Semi Volatile Organic Compounds	22-Mar-2014	22-Mar-2014	22-Mar-2014	22-Mar-2014	22-Mar-2014	22-Mar-2014
Total Organic Carbon	26-Mar-2014	26-Mar-2014	26-Mar-2014	26-Mar-2014	27-Mar-2014	27-Mar-2014
TPH CWG GC (S)	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014
VOC MS (S)	25-Mar-2014	25-Mar-2014	27-Mar-2014	27-Mar-2014	25-Mar-2014	25-Mar-2014

SDG:	140320-29	**Location:**	Coed Darcy	**Order Number:**	CD0636
Job:	H_ATKINS_LDC-210	**Customer:**	Atkins Global Ltd	**Report Number:**	294925
Client Reference:	PHS 2 POS RM	**Attention:**	Jack Lowrie	**Superseded Report:**	264755

Appendix

General

1. Results are expressed on a dry weight basis (dried at 35ºC) 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 Dimethyphenol, 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 presevation 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.

ALcontrol Laboratories

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

Attention: Jack Lowrie

CERTIFICATE OF ANALYSIS

Date:	09 December 2014
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	140322-76
Your Reference:	Phase 2
Location:	Coed Darcy
Report No:	294942

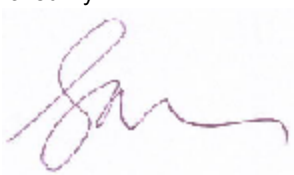
This report has been revised and directly supersedes 265955 in its entirety.

We received 59 samples on Saturday March 22, 2014 and 59 of these samples were scheduled for analysis which was completed on Tuesday April 08, 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

Alcontrol Laboratories is a trading division of ALcontrol UK Limited
Registered Office: Units 7 & 8 Hawarden Business Park, Manor Road, Hawarden, Deeside, CH5 3US. Registered in England and Wales No. 4057291.

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
9026620	SMH137			20/03/2014
9026621	SMH138			20/03/2014
9026622	SMH139			20/03/2014
9026623	SMH140			20/03/2014
9026624	SMH141			20/03/2014
9026625	SMH142			20/03/2014
9026626	SMH143			20/03/2014
9026627	SMH144			20/03/2014
9026628	SMH145			20/03/2014
9026629	SMH146			20/03/2014
9026630	SMH147			20/03/2014
9026631	SMH148			20/03/2014
9026632	SMH149			20/03/2014
9026633	SMH150			20/03/2014
9026634	SMH151			20/03/2014
9026635	SMH152			20/03/2014
9026636	SMH153			20/03/2014
9026637	SMH154			20/03/2014
9026638	SMH155			20/03/2014
9026640	SMH156			20/03/2014
9026641	SMH157			20/03/2014
9026642	SMH158			20/03/2014
9026643	SMH159			20/03/2014
9026644	SMH160			20/03/2014
9026645	SMH161			20/03/2014
9026646	SMH162			20/03/2014
9026647	SMH163			20/03/2014
9026648	SMH164			20/03/2014
9026649	SMH165			20/03/2014
9026651	SMH166			20/03/2014
9026652	SMH167			20/03/2014
9026654	SMH168			20/03/2014
9026655	SMH169			20/03/2014
9026656	SMH170			20/03/2014
9026657	SMH171			20/03/2014
9026658	SMH172			20/03/2014
9026659	SMH173			20/03/2014
9026660	SMH174			20/03/2014
9026661	SMH175			20/03/2014
9026662	SMH176			20/03/2014
9026663	SMH177			20/03/2014
9026664	SMH178			20/03/2014
9026665	SMH179			20/03/2014
9026667	SMH180			20/03/2014
9026668	SMH181			20/03/2014
9026669	SMH182			20/03/2014
9026670	SMH183			20/03/2014
9026671	SMH184			20/03/2014
9026672	SMH185			20/03/2014
9026673	SMH186			20/03/2014
9026674	SMH187			20/03/2014
9026675	SMH188			20/03/2014
9026676	SMH189			20/03/2014
9026677	SMH190			20/03/2014
9026678	SMH191			20/03/2014
9026679	SMH192			20/03/2014

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

9026681	SMH193	20/03/2014
9026682	SMH194	20/03/2014
9026683	SMH195	20/03/2014

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

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

SOLID

Results Legend

- X Test
- N No Determination Possible

Lab Sample No(s)			9026620			9026621			9026622			9026623			9026624			9026625			9026626		
Customer Sample Reference			SMH137			SMH138			SMH139			SMH140			SMH141			SMH142			SMH143		
AGS Reference																							
Depth (m)																							
Container			250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 59		X			X			X			X			X			X			X	
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 59	X			X			X			X			X			X			X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 59	X			X			X			X			X			X			X		
GRO by GC-FID (S)	All	NDPs: 0 Tests: 59			X			X			X			X			X			X			X
Metals in solid samples by OES	All	NDPs: 0 Tests: 59	X			X			X			X			X			X			X		
pH	All	NDPs: 0 Tests: 59		X			X			X			X			X			X			X	
Sample description	All	NDPs: 0 Tests: 59	X			X			X			X			X			X			X		
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 59	X			X			X			X			X			X			X		
Total Organic Carbon	All	NDPs: 0 Tests: 59	X			X			X			X			X			X			X		
TPH CWG GC (S)	All	NDPs: 0 Tests: 59	X			X			X			X			X			X			X		
VOC MS (S)	All	NDPs: 0 Tests: 59			X			X			X			X			X			X			X

Lab Sample No(s)			9026627			9026628			9026629			9026630			9026631			9026632			9026633
Customer Sample Reference			SMH144			SMH145			SMH146			SMH147			SMH148			SMH149			SMH150
AGS Reference																					
Depth (m)																					
Container			250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 59		X			X			X			X			X			X		
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 59	X			X			X			X			X			X			X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 59	X			X			X			X			X			X			X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 59			X			X			X			X			X			X	
Metals in solid samples by OES	All	NDPs: 0 Tests: 59	X			X			X			X			X			X			X
pH	All	NDPs: 0 Tests: 59		X			X			X			X			X			X		
Sample description	All	NDPs: 0 Tests: 59	X			X			X			X			X			X			X
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 59	X			X			X			X			X			X			X
Total Organic Carbon	All	NDPs: 0 Tests: 59	X			X			X			X			X			X			X
TPH CWG GC (S)	All	NDPs: 0 Tests: 59	X			X			X			X			X			X			X
VOC MS (S)	All	NDPs: 0 Tests: 59			X			X			X			X			X			X	

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

SOLID

Results Legend

X **Test**

N **No Determination Possible**

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
			9026633	SMH150			400g Tub (ALE214)
			9026634	SMH151			60g VOC (ALE215)
			9026635	SMH152			250g Amber Jar
			9026636	SMH153			400g Tub (ALE214)
			9026637	SMH154			60g VOC (ALE215)
			9026638	SMH155			250g Amber Jar
			9026640	SMH156			400g Tub (ALE214)
			9026641	SMH157			60g VOC (ALE215)
			9026642	SMH158			250g Amber Jar
			9026643	SMH159			400g Tub (ALE214)
			9026644	SMH160			60g VOC (ALE215)
			9026645	SMH161			250g Amber Jar
			9026646	SMH162			400g Tub (ALE214)
			9026647	SMH163			60g VOC (ALE215)
							250g Amber Jar
							400g Tub (ALE214)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 59	X	X	X	X	X
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 59	X	X	X	X	X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 59	X	X	X	X	X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 59	X	X	X	X	X
Metals in solid samples by OES	All	NDPs: 0 Tests: 59	X	X	X	X	X
pH	All	NDPs: 0 Tests: 59	X	X	X	X	X
Sample description	All	NDPs: 0 Tests: 59	X	X	X	X	X
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 59	X	X	X	X	X
Total Organic Carbon	All	NDPs: 0 Tests: 59	X	X	X	X	X
TPH CWG GC (S)	All	NDPs: 0 Tests: 59	X	X	X	X	X
VOC MS (S)	All	NDPs: 0 Tests: 59	X	X	X	X	X

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

SOLID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)			9026647	9026648			9026649			9026651			9026652			9026654			9026655			9026656			9026657			9026658			9026659			9026660			9026661			9026662		
Customer Sample Reference			SMH163	SMH164			SMH165			SMH166			SMH167			SMH168			SMH169			SMH170			SMH171			SMH172			SMH173			SMH174			SMH175			SMH176		
AGS Reference																																										
Depth (m)																																										
Container			60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 59			X			X			X			X			X			X			X			X			X			X			X			X			X	
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 59		X			X			X			X			X			X			X			X			X			X			X			X			X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 59		X			X			X			X			X			X			X			X			X			X			X			X			X		
GRO by GC-FID (S)	All	NDPs: 0 Tests: 59	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Metals in solid samples by OES	All	NDPs: 0 Tests: 59		X			X			X			X			X			X			X			X			X			X			X			X			X		
pH	All	NDPs: 0 Tests: 59			X			X			X			X			X			X			X			X			X			X			X			X			X	
Sample description	All	NDPs: 0 Tests: 59		X			X			X			X			X			X			X			X			X			X			X			X			X		
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 59		X			X			X			X			X			X			X			X			X			X			X			X			X		
Total Organic Carbon	All	NDPs: 0 Tests: 59		X			X			X			X			X			X			X			X			X			X			X			X			X		
TPH CWG GC (S)	All	NDPs: 0 Tests: 59		X			X			X			X			X			X			X			X			X			X			X			X			X		
VOC MS (S)	All	NDPs: 0 Tests: 59	X			X			X			X			X			X			X			X			X			X			X			X			X			X

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

SOLID

Results Legend

X **Test**

N **No Determination Possible**

Lab Sample No(s)	9026663	9026664	9026665	9026667	9026668	9026669	9026670	9026671	9026672	9026673	9026674	9026675	9026676	9026677
Customer Sample Reference	SMH177	SMH178	SMH179	SMH180	SMH181	SMH182	SMH183	SMH184	SMH185	SMH186	SMH187	SMH188	SMH189	SMH190
AGS Reference														
Depth (m)														
Container	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar

Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 59		X			X			X			X			X			X			X			X			X			X	
Asbestos Quantification - Full	All	NDPs: 0 Tests: 1									X																					
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 59	X			X			X			X			X			X			X			X			X			X			X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 59	X			X			X			X			X			X			X			X			X			X			X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 59			X			X			X			X			X			X			X			X			X			X	
Metals in solid samples by OES	All	NDPs: 0 Tests: 59	X			X			X			X			X			X			X			X			X			X			X
pH	All	NDPs: 0 Tests: 59		X			X			X			X			X			X			X			X			X			X		
Sample description	All	NDPs: 0 Tests: 59	X			X			X			X			X			X			X			X			X			X			X
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 59	X			X			X			X			X			X			X			X			X			X			X
Total Organic Carbon	All	NDPs: 0 Tests: 59	X			X			X			X			X			X			X			X			X			X			X
TPH CWG GC (S)	All	NDPs: 0 Tests: 59	X			X			X			X			X			X			X			X			X			X			X
VOC MS (S)	All	NDPs: 0 Tests: 59			X			X			X			X			X			X			X			X			X			X	

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

SOLID

Results Legend

X **Test**

N **No Determination Possible**

Lab Sample No(s)	9026677	9026678	9026679	9026681	9026682	9026683
Customer Sample Reference	SMH190	SMH191	SMH192	SMH193	SMH194	SMH195
AGS Reference						
Depth (m)						
Container	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 59	X		X		X		X		X		X	
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 59		X		X		X		X		X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 59		X		X		X		X		X		
GRO by GC-FID (S)	All	NDPs: 0 Tests: 59	X		X		X		X		X		X	
Metals in solid samples by OES	All	NDPs: 0 Tests: 59		X		X		X		X		X		
pH	All	NDPs: 0 Tests: 59	X		X		X		X		X		X	
Sample description	All	NDPs: 0 Tests: 59		X		X		X		X		X		
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 59		X		X		X		X		X		
Total Organic Carbon	All	NDPs: 0 Tests: 59		X		X		X		X		X		
TPH CWG GC (S)	All	NDPs: 0 Tests: 59		X		X		X		X		X		
VOC MS (S)	All	NDPs: 0 Tests: 59	X		X		X		X		X		X	

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

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
9026620	SMH137		Light Brown	Clay Loam	0.1 - 2 mm	Stones	Vegetation
9026621	SMH138		Light Brown	Clay Loam	0.1 - 2 mm	Stones	Vegetation
9026622	SMH139		Light Brown	Clay Loam	0.1 - 2 mm	Stones	Vegetation
9026623	SMH140		Light Brown	Clay Loam	0.1 - 2 mm	Stones	Vegetation
9026624	SMH141		Light Brown	Clay Loam	0.1 - 2 mm	Stones	N/A
9026625	SMH142		Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	N/A
9026626	SMH143		Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	N/A
9026627	SMH144		Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	N/A
9026628	SMH145		Dark Brown	Loamy Sand	0.1 - 2 mm	Brick	Stones
9026629	SMH146		Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	Vegetation
9026630	SMH147		Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Crushed Brick	Stones
9026631	SMH148		Orange	Sandy Clay Loam	0.063 - 0.1 mm	Stones	N/A
9026632	SMH149		Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Crushed Brick	Stones
9026633	SMH150		Orange	Clay	<0.063 mm	Brick	Stones
9026634	SMH151		Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Crushed Brick	Stones
9026635	SMH152		Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Crushed Brick	Stones
9026636	SMH153		Orange	Silty Clay Loam	0.063 - 0.1 mm	Stones	N/A
9026637	SMH154		Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	None
9026638	SMH155		Orange	Clay	<0.063 mm	Brick	Stones
9026640	SMH156		Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	None
9026641	SMH157		Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	Vegetation
9026642	SMH158		Light Brown	Silty Clay	0.063 - 0.1 mm	Stones	N/A
9026643	SMH159		Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	None
9026644	SMH160		Light Brown	Silty Clay	0.063 - 0.1 mm	Stones	N/A
9026645	SMH161		Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	None
9026646	SMH162		Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Vegetation	Stones
9026647	SMH163		Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	None
9026648	SMH164		Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Vegetation	Stones
9026649	SMH165		Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones	None
9026651	SMH166		Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones	None
9026652	SMH167		Light Brown	Clay Loam	0.1 - 2 mm	Stones	Vegetation
9026654	SMH168		Light Brown	Clay Loam	0.1 - 2 mm	Stones	N/A
9026655	SMH169		Light Brown	Clay Loam	0.1 - 2 mm	Stones	Vegetation
9026656	SMH170		Light Brown	Clay Loam	0.1 - 2 mm	Stones	Vegetation
9026657	SMH171		Light Brown	Clay Loam	0.1 - 2 mm	Stones	Vegetation
9026658	SMH172		Light Brown	Clay Loam	0.1 - 2 mm	Stones	Vegetation
9026659	SMH173		Light Brown	Clay Loam	0.1 - 2 mm	Stones	N/A
9026660	SMH174		Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	N/A

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

			Colour	Description	Grain size	Inclusions	Inclusions 2
9026661	SMH175		Dark Brown	Clay Loam	0.063 - 0.1 mm	Stones	N/A
9026662	SMH176		Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	N/A
9026663	SMH177		Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Crushed Brick	Stones
9026664	SMH178		Orange	Silty Clay Loam	<0.063 mm	Brick	Stones
9026665	SMH179		Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	Vegetation
9026667	SMH180		Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Crushed Brick	Stones
9026668	SMH181		Orange	Sandy Clay Loam	<0.063 mm	Stones	N/A
9026669	SMH182		Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Concrete/Aggregate	Stones
9026670	SMH183		Orange	Sandy Clay Loam	0.063 - 0.1 mm	Brick	Stones
9026671	SMH184		Orange	Silty Clay Loam	0.063 - 0.1 mm	Stones	Vegetation
9026672	SMH185		Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Crushed Brick	Stones
9026673	SMH186		Dark Brown	Clay Loam	0.063 - 0.1 mm	Stones	N/A
9026674	SMH187		Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	None
9026675	SMH188		Dark Brown	Silty Clay	0.063 - 0.1 mm	Vegetation	Stones
9026676	SMH189		Dark Brown	Clay Loam	0.063 - 0.1 mm	Stones	N/A
9026677	SMH190		Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	None
9026678	SMH191		Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	None
9026679	SMH192		Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones	Vegetation
9026681	SMH193		Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	Vegetation
9026682	SMH194		Dark Brown	Clay Loam	0.063 - 0.1 mm	Stones	N/A
9026683	SMH195		Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	None

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 ocurring 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.

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sample Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
			SMH137	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026620	
			SMH138	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026621	
			SMH139	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026622	
			SMH140	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026623	
			SMH141	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026624	
			SMH142	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026625	
Moisture Content Ratio	%	PM024	12	11	4.4	7.9	5.5	4.7			
Soil Organic Matter (SOM)	<0.35 %	TM132	0.936 #	1.3 #	0.812 #	0.981 #	0.859 #	0.959 #			
pH	1 pH Units	TM133	8.11 M	8.03 M	8.38 M	8.14 M	8.28 M	8.12 M			
Arsenic	<0.6 mg/kg	TM181	17.4 M	15.9 M	17.1 M	16.1 M	17.5 M	19.4 M			
Cadmium	<0.02 mg/kg	TM181	0.298 M	1.06 M	1.05 M	1.34 M	0.95 M	0.993 M			
Chromium	<0.9 mg/kg	TM181	26.4 M	26 M	23.4 M	20.7 M	20.1 M	19.7 M			
Copper	<1.4 mg/kg	TM181	23.8 M	18.3 M	17.4 M	12 M	21.9 M	17.5 M			
Lead	<0.7 mg/kg	TM181	136 M	79.6 M	109 M	75.4 M	74 M	75.5 M			
Mercury	<0.14 mg/kg	TM181	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M			
Nickel	<0.2 mg/kg	TM181	21.6 M	22.4 M	21.4 M	20.8 M	22.3 M	22.3 M			
Selenium	<1 mg/kg	TM181	2.21 #	2.48 #	2.35 #	2.38 #	2.06 #	1.86 #			
Vanadium	<0.2 mg/kg	TM181	43.6 #	43 #	38.4 #	38.6 #	35.4 #	34 #			
Zinc	<1.9 mg/kg	TM181	295 M	497 M	388 M	560 M	334 M	329 M			

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sample Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
			SMH143	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026626	
			SMH144	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026627	
			SMH145	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026628	
			SMH146	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026629	
			SMH147	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026630	
			SMH148	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026631	
Moisture Content Ratio	%	PM024	5.5		5.7		5.1		3.6		9.2		4.3	
Soil Organic Matter (SOM)	<0.35 %	TM132	0.771	#	0.998	#	0.959	#	1.13	#	1.36	#	1.18	#
pH	1 pH Units	TM133	8.13	M	8.15	M	8.24	M	8.35	M	8.4	M	8.13	M
Arsenic	<0.6 mg/kg	TM181	17.1	M	17	M	22.5	M	17.8	M	16.1	M	16.8	M
Cadmium	<0.02 mg/kg	TM181	1.25	M	1.24	M	2.71	M	1.21	M	0.607	M	1.37	M
Chromium	<0.9 mg/kg	TM181	18.4	M	22.4	M	25.5	M	24.4	M	21.8	M	23.9	M
Copper	<1.4 mg/kg	TM181	9.74	M	23.4	M	25.9	M	19.7	M	28	M	16.3	M
Lead	<0.7 mg/kg	TM181	62.9	M	83	M	119	M	83.3	M	74.3	M	82.4	M
Mercury	<0.14 mg/kg	TM181	0.154	M	<0.14	M	<0.14	M	<0.14	M	<0.14	M	<0.14	M
Nickel	<0.2 mg/kg	TM181	18.9	M	23	M	27.2	M	22.7	M	22	M	23.7	M
Selenium	<1 mg/kg	TM181	2.2	#	2.4	#	<10	#	2.5	#	2.12	#	2.98	#
Vanadium	<0.2 mg/kg	TM181	36.1	#	39.5	#	46.3	#	44.1	#	36.3	#	46.1	#
Zinc	<1.9 mg/kg	TM181	544	M	337	M	541	M	531	M	218	M	784	M

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sample Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
			SMH149	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026632	
			SMH150	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026633	
			SMH151	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026634	
			SMH152	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026635	
			SMH153	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026636	
			SMH154	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026637	
Moisture Content Ratio	%	PM024	5.1		3.8		8.3		9.1		8.5		3.9	
Soil Organic Matter (SOM)	<0.35 %	TM132	0.917	#	1.06	#	1.15	#	0.924	#	2.29	#	0.79	#
pH	1 pH Units	TM133	8.33	M	8.25	M	8.57	M	8.26	M	8.21	M	8.16	M
Arsenic	<0.6 mg/kg	TM181	17	M	16.1	M	16.8	M	17.5	M	19.2	M	27.8	M
Cadmium	<0.02 mg/kg	TM181	1.36	M	1.11	M	0.744	M	1.23	M	0.539	M	6.4	M
Chromium	<0.9 mg/kg	TM181	25.2	M	15.5	M	22.6	M	22.5	M	28.1	M	31.1	M
Copper	<1.4 mg/kg	TM181	19.8	M	12.3	M	25	M	14	M	39.9	M	25	M
Lead	<0.7 mg/kg	TM181	91.1	M	106	M	84.6	M	84.6	M	66.2	M	103	M
Mercury	<0.14 mg/kg	TM181	<0.14	M	<0.14	M	<0.14	M	<0.14	M	<0.14	M	<0.14	M
Nickel	<0.2 mg/kg	TM181	26.8	M	17.3	M	22.8	M	22.6	M	23.9	M	61	M
Selenium	<1 mg/kg	TM181	2.87	#	3.18	#	2.38	#	3.05	#	1.81	#	4.43	#
Vanadium	<0.2 mg/kg	TM181	46	#	41.7	#	37.8	#	44	#	33.5	#	57.1	#
Zinc	<1.9 mg/kg	TM181	495	M	313	M	317	M	706	M	176	M	943	M

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sample Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
			SMH155	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026638	
Moisture Content Ratio	%	PM024	6.7								
Soil Organic Matter (SOM)	<0.35 %	TM132	0.879 #								
pH	1 pH Units	TM133	7.96 M								
Arsenic	<0.6 mg/kg	TM181	13.1 M								
Cadmium	<0.02 mg/kg	TM181	0.773 M								
Chromium	<0.9 mg/kg	TM181	15 M								
Copper	<1.4 mg/kg	TM181	10.4 M								
Lead	<0.7 mg/kg	TM181	60.2 M								
Mercury	<0.14 mg/kg	TM181	<0.14 M								
Nickel	<0.2 mg/kg	TM181	14.6 M								
Selenium	<1 mg/kg	TM181	1.92 #								
Vanadium	<0.2 mg/kg	TM181	33.1 #								
Zinc	<1.9 mg/kg	TM181	327 M								

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sample Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
			SMH156	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026640	
Moisture Content Ratio	%	PM024	5.8								
Soil Organic Matter (SOM)	<0.35 %	TM132	1.04 #								
pH	1 pH Units	TM133	8.02 M								
Arsenic	<0.6 mg/kg	TM181	24.2 M								
Cadmium	<0.02 mg/kg	TM181	2.23 M								
Chromium	<0.9 mg/kg	TM181	26.9 M								
Copper	<1.4 mg/kg	TM181	69 M								
Lead	<0.7 mg/kg	TM181	93.5 M								
Mercury	<0.14 mg/kg	TM181	<0.14 M								
Nickel	<0.2 mg/kg	TM181	30.9 M								
Selenium	<1 mg/kg	TM181	<10 #								
Vanadium	<0.2 mg/kg	TM181	50.2 #								
Zinc	<1.9 mg/kg	TM181	408 M								

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sample Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
			SMH157	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026641	
Moisture Content Ratio	%	PM024	5.1								
Soil Organic Matter (SOM)	<0.35 %	TM132	1.76 #								
pH	1 pH Units	TM133	7.95 M								
Arsenic	<0.6 mg/kg	TM181	18.1 M								
Cadmium	<0.02 mg/kg	TM181	0.817 M								
Chromium	<0.9 mg/kg	TM181	19.7 M								
Copper	<1.4 mg/kg	TM181	36.7 M								
Lead	<0.7 mg/kg	TM181	70.6 M								
Mercury	<0.14 mg/kg	TM181	<0.14 M								
Nickel	<0.2 mg/kg	TM181	25.1 M								
Selenium	<1 mg/kg	TM181	1.88 #								
Vanadium	<0.2 mg/kg	TM181	32.8 #								
Zinc	<1.9 mg/kg	TM181	162 M								

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sample Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
			SMH158	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026642	
Moisture Content Ratio	%	PM024	6.4								
Soil Organic Matter (SOM)	<0.35 %	TM132	1.56 #								
pH	1 pH Units	TM133	8.02 M								
Arsenic	<0.6 mg/kg	TM181	18.7 M								
Cadmium	<0.02 mg/kg	TM181	0.712 M								
Chromium	<0.9 mg/kg	TM181	20 M								
Copper	<1.4 mg/kg	TM181	31.5 M								
Lead	<0.7 mg/kg	TM181	76.4 M								
Mercury	<0.14 mg/kg	TM181	<0.14 M								
Nickel	<0.2 mg/kg	TM181	27.3 M								
Selenium	<1 mg/kg	TM181	2.15 #								
Vanadium	<0.2 mg/kg	TM181	31.4 #								
Zinc	<1.9 mg/kg	TM181	167 M								

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sample Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
			SMH159	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026643	
Moisture Content Ratio	%	PM024	8.7								
Soil Organic Matter (SOM)	<0.35 %	TM132	1.88 #								
pH	1 pH Units	TM133	8.03 M								
Arsenic	<0.6 mg/kg	TM181	19.8 M								
Cadmium	<0.02 mg/kg	TM181	0.652 M								
Chromium	<0.9 mg/kg	TM181	20.6 M								
Copper	<1.4 mg/kg	TM181	36.1 M								
Lead	<0.7 mg/kg	TM181	69.7 M								
Mercury	<0.14 mg/kg	TM181	<0.14 M								
Nickel	<0.2 mg/kg	TM181	24.4 M								
Selenium	<1 mg/kg	TM181	1.82 #								
Vanadium	<0.2 mg/kg	TM181	33.7 #								
Zinc	<1.9 mg/kg	TM181	157 M								

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sample Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
			SMH160	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026644	
Moisture Content Ratio	%	PM024	4.2								
Soil Organic Matter (SOM)	<0.35 %	TM132	1.25 #								
pH	1 pH Units	TM133	8.01 M								
Arsenic	<0.6 mg/kg	TM181	16.4 M								
Cadmium	<0.02 mg/kg	TM181	0.713 M								
Chromium	<0.9 mg/kg	TM181	19.1 M								
Copper	<1.4 mg/kg	TM181	36.1 M								
Lead	<0.7 mg/kg	TM181	81.4 M								
Mercury	<0.14 mg/kg	TM181	<0.14 M								
Nickel	<0.2 mg/kg	TM181	25.3 M								
Selenium	<1 mg/kg	TM181	2.14 #								
Vanadium	<0.2 mg/kg	TM181	32.5 #								
Zinc	<1.9 mg/kg	TM181	163 M								

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sample Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
			SMH161	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026645	
			SMH162	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026646	
			SMH163	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026647	
			SMH164	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026648	
			SMH165	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026649	
			SMH166	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026651	
Moisture Content Ratio	%	PM024	6	4	8.8	7.8	6.6	7			
Soil Organic Matter (SOM)	<0.35 %	TM132	1.26 #	0.76 #	1.3 #	1.1 #	1.67 #	1.37 #			
pH	1 pH Units	TM133	8.1 M	8.24 M	8.15 M	8.16 M	8.25 M	8.12 M			
Arsenic	<0.6 mg/kg	TM181	19.2 M	37.5 M	17.8 M	14.6 M	20.2 M	17.6 M			
Cadmium	<0.02 mg/kg	TM181	0.939 M	1.09 M	0.889 M	0.594 M	0.635 M	0.718 M			
Chromium	<0.9 mg/kg	TM181	20.5 M	16.7 M	23.2 M	16.9 M	22 M	19.4 M			
Copper	<1.4 mg/kg	TM181	40.3 M	18.3 M	29.8 M	26.9 M	40.2 M	30.9 M			
Lead	<0.7 mg/kg	TM181	87.4 M	53.7 M	72.9 M	52.5 M	78.9 M	64.1 M			
Mercury	<0.14 mg/kg	TM181	<0.14 M	0.323 M	<0.14 M	0.167 M	<0.14 M	<0.14 M			
Nickel	<0.2 mg/kg	TM181	24.9 M	16.8 M	24.4 M	21.4 M	24.9 M	21.5 M			
Selenium	<1 mg/kg	TM181	2.17 #	1.71 #	1.75 #	2.04 #	2.02 #	1.9 #			
Vanadium	<0.2 mg/kg	TM181	36 #	28 #	39.1 #	34.9 #	35.2 #	32.3 #			
Zinc	<1.9 mg/kg	TM181	201 M	222 M	306 M	115 M	144 M	199 M			

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sample Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
			SMH167	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026652	
			SMH168	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026654	
			SMH169	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026655	
			SMH170	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026656	
			SMH171	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026657	
			SMH172	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026658	
Moisture Content Ratio	%	PM024	8.6	7.2	12	11	11	13			
Soil Organic Matter (SOM)	<0.35 %	TM132	1.48 #	1.11 #	1.13 #	0.978 #	1.15 #	0.993 #			
pH	1 pH Units	TM133	8.04 M	8.02 M	8.22 M	8.2 M	8.18 M	8.06 M			
Arsenic	<0.6 mg/kg	TM181	18.1 M	19.1 M	17.5 M	13.4 M	33.2 M	17.5 M			
Cadmium	<0.02 mg/kg	TM181	0.678 M	1.1 M	1.22 M	1.18 M	1.81 M	1.1 M			
Chromium	<0.9 mg/kg	TM181	20.5 M	22.1 M	24.9 M	27.5 M	25 M	25.2 M			
Copper	<1.4 mg/kg	TM181	36.1 M	27.2 M	26.2 M	15.2 M	260 M	22.7 M			
Lead	<0.7 mg/kg	TM181	77.6 M	67.2 M	82.9 M	62 M	95.5 M	83.8 M			
Mercury	<0.14 mg/kg	TM181	<0.14 M	0.17 M	<0.14 M	0.24 M	0.141 M	<0.14 M			
Nickel	<0.2 mg/kg	TM181	24.2 M	22.1 M	25 M	16.2 M	25 M	23.6 M			
Selenium	<1 mg/kg	TM181	1.96 #	1.92 #	2.81 #	1.47 #	2.72 #	2.79 #			
Vanadium	<0.2 mg/kg	TM181	33 #	35.6 #	43.6 #	32.1 #	44.1 #	44.5 #			
Zinc	<1.9 mg/kg	TM181	155 M	302 M	485 M	382 M	653 M	475 M			

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sample Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
			SMH173	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026659	
			SMH174	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026660	
			SMH175	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026661	
			SMH176	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026662	
			SMH177	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026663	
			SMH178	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026664	
Moisture Content Ratio	%	PM024	14	12	15	16	14	16			
Soil Organic Matter (SOM)	<0.35 %	TM132	1.04 #	0.878 #	1.02 #	1.65 #	0.953 #	0.941 #			
pH	1 pH Units	TM133	8.1 M	8.15 M	8.11 M	7.92 M	8.14 M	8.26 M			
Arsenic	<0.6 mg/kg	TM181	18.7 M	12.9 M	17.4 M	21.6 M	17.4 M	16.1 M			
Cadmium	<0.02 mg/kg	TM181	1.3 M	1.18 M	1.78 M	8.58 M	0.868 M	1.05 M			
Chromium	<0.9 mg/kg	TM181	21.9 M	16.9 M	21.7 M	26.5 M	20.4 M	23.4 M			
Copper	<1.4 mg/kg	TM181	18.5 M	12.4 M	14.3 M	45.8 M	23 M	20.1 M			
Lead	<0.7 mg/kg	TM181	107 M	61.1 M	88 M	275 M	66.7 M	79.3 M			
Mercury	<0.14 mg/kg	TM181	0.142 M	0.147 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M			
Nickel	<0.2 mg/kg	TM181	22.7 M	17.6 M	24.6 M	26.1 M	21 M	22.7 M			
Selenium	<1 mg/kg	TM181	2.36 #	1.79 #	2.94 #	2.26 #	1.55 #	2.69 #			
Vanadium	<0.2 mg/kg	TM181	39 #	31.2 #	43.7 #	42.7 #	31.5 #	42.7 #			
Zinc	<1.9 mg/kg	TM181	403 M	369 M	582 M	1020 M	226 M	579 M			

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sample Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
			SMH179	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026665	
			SMH180	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026667	
			SMH181	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026668	
			SMH182	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026669	
			SMH183	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026670	
			SMH184	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026671	
Moisture Content Ratio	%	PM024	13	9.5	16	13	17	16			
Soil Organic Matter (SOM)	<0.35 %	TM132	0.919 #	0.786 #	1.26 #	0.819 #	1.86 #	0.638 #			
pH	1 pH Units	TM133	8.16 M	8.18 M	8.31 M	8.18 M	8.27 M	8.23 M			
Arsenic	<0.6 mg/kg	TM181	16.9 M	13.7 M	17.8 M	16.6 M	24.7 M	16.9 M			
Cadmium	<0.02 mg/kg	TM181	0.757 M	1.05 M	1.2 M	0.682 M	1.17 M	0.883 M			
Chromium	<0.9 mg/kg	TM181	23.3 M	18.8 M	22.6 M	23.4 M	25.8 M	12.4 M			
Copper	<1.4 mg/kg	TM181	18.3 M	13.4 M	19.3 M	23.8 M	27.6 M	9.5 M			
Lead	<0.7 mg/kg	TM181	97.7 M	68.7 M	89.9 M	66.3 M	94.3 M	79.7 M			
Mercury	<0.14 mg/kg	TM181	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M			
Nickel	<0.2 mg/kg	TM181	23 M	18.4 M	24.4 M	21.8 M	28.8 M	12.8 M			
Selenium	<1 mg/kg	TM181	2.27 #	2.24 #	2.84 #	2.04 #	2.88 #	2.85 #			
Vanadium	<0.2 mg/kg	TM181	40.7 #	35.9 #	48.8 #	37.6 #	52.7 #	43 #			
Zinc	<1.9 mg/kg	TM181	372 M	448 M	740 M	287 M	423 M	262 M			

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sample Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
			SMH185	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026672	
			SMH186	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026673	
			SMH187	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026674	
			SMH188	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026675	
			SMH189	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026676	
			SMH190	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026677	
Moisture Content Ratio	%	PM024	14	11	12	14	13	14			
Soil Organic Matter (SOM)	<0.35 %	TM132	1.98 #	1.33 #	1.31 #	2.22 #	1.25 #	1.19 #			
pH	1 pH Units	TM133	8.14 M	8.1 M	8.06 M	8.12 M	8.04 M	8.06 M			
Arsenic	<0.6 mg/kg	TM181	19.9 M	14.5 M	21.6 M	20.5 M	19.5 M	17.3 M			
Cadmium	<0.02 mg/kg	TM181	0.482 M	0.852 M	0.89 M	1.42 M	1.93 M	0.564 M			
Chromium	<0.9 mg/kg	TM181	21.5 M	17.2 M	20.5 M	21.6 M	26.9 M	17.5 M			
Copper	<1.4 mg/kg	TM181	36.5 M	15.8 M	38.3 M	18.9 M	28.1 M	31.9 M			
Lead	<0.7 mg/kg	TM181	71.2 M	53.7 M	77.9 M	67.6 M	98.7 M	71.9 M			
Mercury	<0.14 mg/kg	TM181	<0.14 M	0.189 M	<0.14 M	0.162 M	0.152 M	<0.14 M			
Nickel	<0.2 mg/kg	TM181	23.9 M	17.6 M	27.7 M	24.9 M	28.2 M	20.9 M			
Selenium	<1 mg/kg	TM181	2.02 #	1.49 #	2.03 #	2.3 #	<10 #	1.36 #			
Vanadium	<0.2 mg/kg	TM181	35.7 #	26.8 #	34 #	40.4 #	45.8 #	28.6 #			
Zinc	<1.9 mg/kg	TM181	172 M	251 M	204 M	446 M	409 M	137 M			

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sample Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
			SMH191	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026678	
			SMH192	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026679	
			SMH193	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026681	
			SMH194	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026682	
			SMH195	.	Soil/Solid	20/03/2014	.	22/03/2014	140322-76	9026683	
Moisture Content Ratio	%	PM024	15	15	15	13	14				
Soil Organic Matter (SOM)	<0.35 %	TM132	1.52 #	1.18 #	1.58 #	1.02 #	1.34 #				
pH	1 pH Units	TM133	8.26 M	8.4 M	8.13 M	8.26 M	8.31 M				
Arsenic	<0.6 mg/kg	TM181	20.4 M	20.7 M	19.7 M	19.2 M	20.3 M				
Cadmium	<0.02 mg/kg	TM181	0.735 M	1.93 M	0.891 M	2.51 M	0.654 M				
Chromium	<0.9 mg/kg	TM181	21 M	26.3 M	21.9 M	25.9 M	21.3 M				
Copper	<1.4 mg/kg	TM181	80.9 M	23.8 M	570 M	14.5 M	42.5 M				
Lead	<0.7 mg/kg	TM181	80.9 M	104 M	75.9 M	91.6 M	72.5 M				
Mercury	<0.14 mg/kg	TM181	<0.14 M	<0.14 M	<0.14 M	0.201 M	<0.14 M				
Nickel	<0.2 mg/kg	TM181	25.1 M	29.1 M	25.6 M	28.7 M	26.8 M				
Selenium	<1 mg/kg	TM181	2.55 #	2.94 #	2.16 #	<10 #	2.06 #				
Vanadium	<0.2 mg/kg	TM181	33.1 #	48.9 #	35.7 #	48.4 #	34.2 #				
Zinc	<1.9 mg/kg	TM181	168 M	605 M	374 M	588 M	148 M				

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH137	SMH138	SMH139	SMH140	SMH141	SMH142
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
			SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76
			Lab Sample No.(s)	9026620	9026621	9026622	9026623	9026624	9026625
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	134	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH137	SMH138	SMH139	SMH140	SMH141	SMH142
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
			SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76
			Lab Sample No.(s)	9026620	9026621	9026622	9026623	9026624	9026625
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		<100	167	110	<100	<100	135
Benzo(b)fluoranthene	<100 µg/kg	TM157		<100	138	137	<100	<100	121
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	125	<100	<100	<100	<100
Benzo(a)pyrene	<100 µg/kg	TM157		<100	148	124	<100	<100	126
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Chrysene	<100 µg/kg	TM157		<100	187	137	<100	<100	140
Fluoranthene	<100 µg/kg	TM157		<100	284	161	129	114	227
Fluorene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Phenanthrene	<100 µg/kg	TM157		<100	143	<100	<100	<100	<100
Pyrene	<100 µg/kg	TM157		<100	236	142	109	<100	192
Naphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG: 140322-76 **Location:** Coed Darcy **Order Number:** CD0638
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294942
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 265955

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH143	SMH144	SMH145	SMH146	SMH147	SMH148
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
			SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76
			Lab Sample No.(s)	9026626	9026627	9026628	9026629	9026630	9026631
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	824
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH143	SMH144	SMH145	SMH146	SMH147	SMH148
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
			SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76
			Lab Sample No.(s)	9026626	9026627	9026628	9026629	9026630	9026631
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		<100	<100	123	<100	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		140	241	472	<100	338	235
Benzo(b)fluoranthene	<100 µg/kg	TM157		167	184	354	<100	232	165
Benzo(k)fluoranthene	<100 µg/kg	TM157		118	198	366	<100	252	166
Benzo(a)pyrene	<100 µg/kg	TM157		155	215	409	<100	292	196
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	113	207	<100	137	<100
Chrysene	<100 µg/kg	TM157		176	248	465	107	338	217
Fluoranthene	<100 µg/kg	TM157		193	460	825	149	666	441
Fluorene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		130	155	294	<100	158	135
Phenanthrene	<100 µg/kg	TM157		109	213	268	<100	303	388
Pyrene	<100 µg/kg	TM157		172	361	717	130	546	362
Naphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH149	SMH150	SMH151	SMH152	SMH153	SMH154
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
			SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76
			Lab Sample No.(s)	9026632	9026633	9026634	9026635	9026636	9026637
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	146	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	273	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH149	SMH150	SMH151	SMH152	SMH153	SMH154
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
			SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76
			Lab Sample No.(s)	9026632	9026633	9026634	9026635	9026636	9026637
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	281	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		<100	177	<100	<100	1040	194
Benzo(a)anthracene	<100 µg/kg	TM157		<100	825	182	291	3570	850
Benzo(b)fluoranthene	<100 µg/kg	TM157		<100	698	152	219	2310	548
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	600	142	202	2240	617
Benzo(a)pyrene	<100 µg/kg	TM157		<100	675	177	276	2410	681
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	346	<100	127	1100	296
Chrysene	<100 µg/kg	TM157		<100	809	196	358	2720	772
Fluoranthene	<100 µg/kg	TM157		113	1360	328	646	7160	1700
Fluorene	<100 µg/kg	TM157		<100	<100	<100	<100	259	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	463	120	157	1590	352
Phenanthrene	<100 µg/kg	TM157		<100	649	160	334	4270	825
Pyrene	<100 µg/kg	TM157		<100	1130	272	501	5570	1380
Naphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	110	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	109	<100	<100	302	<100

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH155	SMH156	SMH157	SMH158	SMH159	SMH160
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
			SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76
			Lab Sample No.(s)	9026638	9026640	9026641	9026642	9026643	9026644
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<500	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<500	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<500	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<500	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<500	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<500	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<500	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<500	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<500	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<500	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<500	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<500	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<500	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	13200	<100	391	4270
Carbazole	<100 µg/kg	TM157		<100	<100	4920	<100	205	1690
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<500	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<500	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<500	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<500	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<500	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<500	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<500	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<500	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<500	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<500	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<500	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<500	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<500	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<500	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<500	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<500	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<500	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH155	SMH156	SMH157	SMH158	SMH159	SMH160
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
			SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76
			Lab Sample No.(s)	9026638	9026640	9026641	9026642	9026643	9026644
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<500	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<500	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<500	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<500	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<500	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<500	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<500	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<500	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<500	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<500	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<500	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	3400	<100	<100	1930
Acenaphthylene	<100 µg/kg	TM157		<100	<100	18600	<100	515	4880
Acenaphthene	<100 µg/kg	TM157		<100	<100	2610	<100	119	627
Anthracene	<100 µg/kg	TM157		<100	<100	16800	155	1160	5120
Benzo(a)anthracene	<100 µg/kg	TM157		122	341	32200	597	2680	11900
Benzo(b)fluoranthene	<100 µg/kg	TM157		115	285	17900	457	1540	6670
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	267	18500	443	1780	7280
Benzo(a)pyrene	<100 µg/kg	TM157		<100	291	21600	541	1990	8580
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	140	8630	237	840	3400
Chrysene	<100 µg/kg	TM157		120	338	26100	583	2260	10300
Fluoranthene	<100 µg/kg	TM157		209	595	73500	1190	5410	25300
Fluorene	<100 µg/kg	TM157		<100	<100	14400	<100	789	2490
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	197	11700	359	1230	5000
Phenanthrene	<100 µg/kg	TM157		<100	275	78800	588	4450	27400
Pyrene	<100 µg/kg	TM157		181	513	56900	963	4250	19000
Naphthalene	<100 µg/kg	TM157		<100	<100	1530	<100	<100	977
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	2490	<100	264	899

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH161	SMH162	SMH163	SMH164	SMH165	SMH166
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
			SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76
			Lab Sample No.(s)	9026645	9026646	9026647	9026648	9026649	9026651
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	232	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH161	SMH162	SMH163	SMH164	SMH165	SMH166
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
			SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76
			Lab Sample No.(s)	9026645	9026646	9026647	9026648	9026649	9026651
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	117
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		324	170	455	131	363	373
Benzo(a)anthracene	<100 µg/kg	TM157		1300	801	1480	446	1520	1450
Benzo(b)fluoranthene	<100 µg/kg	TM157		900	611	1180	346	1020	960
Benzo(k)fluoranthene	<100 µg/kg	TM157		898	579	971	337	1130	999
Benzo(a)pyrene	<100 µg/kg	TM157		1070	666	1110	376	1270	1140
Benzo(g,h,i)perylene	<100 µg/kg	TM157		490	322	575	189	578	514
Chrysene	<100 µg/kg	TM157		1170	721	1320	449	1410	1290
Fluoranthene	<100 µg/kg	TM157		2320	1370	2750	842	2660	2730
Fluorene	<100 µg/kg	TM157		<100	<100	170	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		699	426	770	266	821	744
Phenanthrene	<100 µg/kg	TM157		1040	608	1910	536	1060	1450
Pyrene	<100 µg/kg	TM157		1880	1150	2030	652	2230	2230
Naphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		143	<100	193	<100	167	148

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH167	SMH168	SMH169	SMH170	SMH171	SMH172
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
			SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76
			Lab Sample No.(s)	9026652	9026654	9026655	9026656	9026657	9026658
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH167	SMH168	SMH169	SMH170	SMH171	SMH172
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
			SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76
			Lab Sample No.(s)	9026652	9026654	9026655	9026656	9026657	9026658
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthylene	<100 µg/kg	TM157		133	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		372	249	<100	<100	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		1550	895	199	235	<100	158
Benzo(b)fluoranthene	<100 µg/kg	TM157		1030	534	180	280	<100	130
Benzo(k)fluoranthene	<100 µg/kg	TM157		1050	607	159	214	<100	125
Benzo(a)pyrene	<100 µg/kg	TM157		1270	681	174	286	<100	150
Benzo(g,h,i)perylene	<100 µg/kg	TM157		525	293	<100	168	<100	<100
Chrysene	<100 µg/kg	TM157		1380	806	206	303	<100	182
Fluoranthene	<100 µg/kg	TM157		2880	1800	327	355	<100	298
Fluorene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		798	393	122	202	<100	<100
Phenanthrene	<100 µg/kg	TM157		1300	1310	201	171	<100	181
Pyrene	<100 µg/kg	TM157		2280	1430	286	350	<100	260
Naphthalene	<100 µg/kg	TM157		163	<100	<100	<100	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		136	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH173	SMH174	SMH175	SMH176	SMH177	SMH178
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
			SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76
			Lab Sample No.(s)	9026659	9026660	9026661	9026662	9026663	9026664
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	209	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

Semi Volatile Organic Compounds

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH173	SMH174	SMH175	SMH176	SMH177	SMH178
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
			SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76
			Lab Sample No.(s)	9026659	9026660	9026661	9026662	9026663	9026664
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		<100	<100	<100	340	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		152	<100	135	1230	308	<100
Benzo(b)fluoranthene	<100 µg/kg	TM157		184	<100	<100	826	221	<100
Benzo(k)fluoranthene	<100 µg/kg	TM157		161	<100	<100	887	220	<100
Benzo(a)pyrene	<100 µg/kg	TM157		203	<100	121	1020	266	<100
Benzo(g,h,i)perylene	<100 µg/kg	TM157		128	<100	<100	430	127	<100
Chrysene	<100 µg/kg	TM157		207	<100	140	1160	321	<100
Fluoranthene	<100 µg/kg	TM157		219	145	250	2400	542	141
Fluorene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		133	<100	<100	646	151	<100
Phenanthrene	<100 µg/kg	TM157		119	<100	154	1130	248	<100
Pyrene	<100 µg/kg	TM157		216	127	208	1910	463	122
Naphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	139	<100	<100

CERTIFICATE OF ANALYSIS

SDG: 140322-76 **Location:** Coed Darcy **Order Number:** CD0638
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294942
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 265955

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH179	SMH180	SMH181	SMH182	SMH183	SMH184
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
			SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76
			Lab Sample No.(s)	9026665	9026667	9026668	9026669	9026670	9026671
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH179	SMH180	SMH181	SMH182	SMH183	SMH184
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
			SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76
			Lab Sample No.(s)	9026665	9026667	9026668	9026669	9026670	9026671
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		142	219	243	286	224	160
Benzo(b)fluoranthene	<100 µg/kg	TM157		129	147	193	239	156	<100
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	156	184	222	151	<100
Benzo(a)pyrene	<100 µg/kg	TM157		121	190	212	249	187	123
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	<100	<100	122	<100	<100
Chrysene	<100 µg/kg	TM157		148	244	236	292	212	141
Fluoranthene	<100 µg/kg	TM157		242	483	424	514	400	298
Fluorene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	121	134	157	<100	<100
Phenanthrene	<100 µg/kg	TM157		145	421	222	232	262	200
Pyrene	<100 µg/kg	TM157		211	374	353	445	328	244
Naphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	147	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH185	SMH186	SMH187	SMH188	SMH189	SMH190
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
			SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76
			Lab Sample No.(s)	9026672	9026673	9026674	9026675	9026676	9026677
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		123	<100	<100	<100	<100	183
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH185	SMH186	SMH187	SMH188	SMH189	SMH190
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
			SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76
			Lab Sample No.(s)	9026672	9026673	9026674	9026675	9026676	9026677
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthylene	<100 µg/kg	TM157		170	<100	151	<100	<100	199
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		394	<100	369	<100	<100	313
Benzo(a)anthracene	<100 µg/kg	TM157		1330	309	1450	<100	230	665
Benzo(b)fluoranthene	<100 µg/kg	TM157		871	228	917	<100	154	472
Benzo(k)fluoranthene	<100 µg/kg	TM157		886	212	985	<100	166	492
Benzo(a)pyrene	<100 µg/kg	TM157		979	254	1090	<100	187	558
Benzo(g,h,i)perylene	<100 µg/kg	TM157		442	118	488	<100	<100	247
Chrysene	<100 µg/kg	TM157		1110	297	1300	<100	231	650
Fluoranthene	<100 µg/kg	TM157		2490	581	2970	145	464	1400
Fluorene	<100 µg/kg	TM157		146	<100	<100	<100	<100	209
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		604	167	709	<100	<100	359
Phenanthrene	<100 µg/kg	TM157		1550	261	1520	<100	284	1290
Pyrene	<100 µg/kg	TM157		2010	463	2310	126	380	1150
Naphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		126	<100	142	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH191	SMH192	SMH193	SMH194	SMH195	
			Depth (m)	.	.	.	.	.	
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	
			Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	
			Sample Time	.	.	.	.	.	
			Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	
			SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	
			Lab Sample No.(s)	9026678	9026679	9026681	9026682	9026683	
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH191	SMH192	SMH193	SMH194	SMH195	
			Depth (m)	.	.	.	.	.	
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	
			Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	
			Sample Time	.	.	.	.	.	
			Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	
			SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	
			Lab Sample No.(s)	9026678	9026679	9026681	9026682	9026683	
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
Anthracene	<100 µg/kg	TM157		127	<100	<100	<100	301	
Benzo(a)anthracene	<100 µg/kg	TM157		491	180	323	<100	1270	
Benzo(b)fluoranthene	<100 µg/kg	TM157		368	161	268	<100	920	
Benzo(k)fluoranthene	<100 µg/kg	TM157		358	144	234	<100	888	
Benzo(a)pyrene	<100 µg/kg	TM157		412	164	280	<100	1010	
Benzo(g,h,i)perylene	<100 µg/kg	TM157		188	<100	129	<100	472	
Chrysene	<100 µg/kg	TM157		478	186	308	<100	1050	
Fluoranthene	<100 µg/kg	TM157		940	310	539	<100	2190	
Fluorene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		265	<100	192	<100	625	
Phenanthrene	<100 µg/kg	TM157		479	183	212	<100	818	
Pyrene	<100 µg/kg	TM157		794	267	452	<100	1830	
Naphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	144	

CERTIFICATE OF ANALYSIS

SDG: 140322-76 **Location:** Coed Darcy **Order Number:** CD0638
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294942
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 265955

TPH CWG (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
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**	% 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	Customer Sample Ref.	SMH137	SMH138	SMH139	SMH140	SMH141	SMH142
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
			SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76
			Lab Sample No.(s)	9026620	9026621	9026622	9026623	9026624	9026625
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		97	110	106	109	102	94
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<44 M	<44 M	<44 M	<44 M	<44 M	<44 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	2.09 M	<2 M	<2 M	2.1 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 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		<10	<10	<10	<10	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C8-C10	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C10-C12	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	3140	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		2540	780	56500	<100	1040	1720
Aliphatics >C21-C35	<100 µg/kg	TM173		7530	6990	95300	9840	17800	15500
Aliphatics >C35-C44	<100 µg/kg	TM173		1860	2930	8340	3150	8390	2960
Total Aliphatics >C12-C44	<100 µg/kg	TM173		11900	10700	163000	13000	27200	20100
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC12-EC16	<100 µg/kg	TM173		245	<100	17600	850	<100	403
Aromatics >EC16-EC21	<100 µg/kg	TM173		2290	1660	<100	3600	1470	3220
Aromatics >EC21-EC35	<100 µg/kg	TM173		18200	11500	38800	17300	19300	25100
Aromatics >EC35-EC44	<100 µg/kg	TM173		13800	10100	15500	14100	16600	10300
Aromatics >EC40-EC44	<100 µg/kg	TM173		5910	4310	6430	6040	7250	3770
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		34500	23200	69500	35900	37400	39100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		46400	33900	233000	48900	64600	59200

CERTIFICATE OF ANALYSIS

SDG: 140322-76 **Location:** Coed Darcy **Order Number:** CD0638
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294942
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 265955

TPH CWG (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH143	SMH144	SMH145	SMH146	SMH147	SMH148
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
			SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76
			Lab Sample No.(s)	9026626	9026627	9026628	9026629	9026630	9026631
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		107	117	101	110	97	107
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<44 M	<44 M	<44 M	<44 M	<44 M	<44 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	2.12 M	2.11 M	2.07 M	<2 M	2.09 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 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		<10	<10	<10	<10	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C8-C10	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C10-C12	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C12-C16	<100 µg/kg	TM173		1140	1010	1900	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		2920	5800	3220	2350	2290	742
Aliphatics >C21-C35	<100 µg/kg	TM173		20400	2140	15800	30300	9760	8090
Aliphatics >C35-C44	<100 µg/kg	TM173		12100	215	7270	9590	3400	2910
Total Aliphatics >C12-C44	<100 µg/kg	TM173		36500	9160	28200	42300	15500	11700
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	898	<100	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		3970	5790	3810	3040	3040	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		25700	18500	17400	30200	15000	10700
Aromatics >EC35-EC44	<100 µg/kg	TM173		18300	10600	12200	13500	5500	9770
Aromatics >EC40-EC44	<100 µg/kg	TM173		7990	4650	5280	4400	1690	4420
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		47300	35800	33000	46200	23000	18000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		83800	44900	61200	88500	38500	29700

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH149	SMH150	SMH151	SMH152	SMH153	SMH154
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
			SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76
			Lab Sample No.(s)	9026632	9026633	9026634	9026635	9026636	9026637
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		105	121	98	113	114	107
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<44 M	<44 M	<44 M	<44 M	<44 M	<44 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	2.08 M	2.18 M	<2 M	2.18 M	2.08 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 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		<10	<10	<10	<10	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C8-C10	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C10-C12	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	531	<100	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		2760	1460	3210	<100	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		22000	9900	19100	10800	5390	6710
Aliphatics >C35-C44	<100 µg/kg	TM173		12100	3780	6680	3380	<100	2070
Total Aliphatics >C12-C44	<100 µg/kg	TM173		36900	15700	29000	14200	5390	8780
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	1700	<100	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		1780	<100	4700	3120	4170	10500
Aromatics >EC21-EC35	<100 µg/kg	TM173		27900	4700	28500	21900	17300	34100
Aromatics >EC35-EC44	<100 µg/kg	TM173		13700	1820	9730	11400	8410	7100
Aromatics >EC40-EC44	<100 µg/kg	TM173		4360	746	3210	3870	3390	2020
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		42900	7730	42500	35900	29000	51200
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		79800	23400	71500	50100	34400	60000

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH155	SMH156	SMH157	SMH158	SMH159	SMH160
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
			SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76
			Lab Sample No.(s)	9026638	9026640	9026641	9026642	9026643	9026644
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		110	94	120	110	93	110
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<44 M	<44 M	<44 M	<44 M	94.2 M	<44 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		2.14 M	<2 M	<2 M	2.14 M	3.29 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 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		<10	<10	<10	<10	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C8-C10	<10 µg/kg	TM089		<10	<10	<10	<10	15.3	<10
Aliphatics >C10-C12	<10 µg/kg	TM089		<10	<10	<10	<10	28.5	<10
Aliphatics >C12-C16	<100 µg/kg	TM173		1920	554	<100	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		9410	1600	2720	<100	<100	501
Aliphatics >C21-C35	<100 µg/kg	TM173		178000	10500	12300	5840	47600	1930
Aliphatics >C35-C44	<100 µg/kg	TM173		148000	5520	4890	12000	98300	292
Total Aliphatics >C12-C44	<100 µg/kg	TM173		338000	18200	19900	17800	146000	2720
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		<10	<10	<10	<10	13.1	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089		<10	<10	<10	<10	18.6	<10
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	952	8180	2630	631	1570
Aromatics >EC16-EC21	<100 µg/kg	TM173		12100	<100	65800	17500	13200	14300
Aromatics >EC21-EC35	<100 µg/kg	TM173		280000	5190	143000	61600	111000	38900
Aromatics >EC35-EC44	<100 µg/kg	TM173		267000	3400	38200	39100	150000	13800
Aromatics >EC40-EC44	<100 µg/kg	TM173		128000	1100	12800	17800	67600	4940
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		558000	9130	256000	121000	275000	68500
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		896000	27300	276000	139000	421000	71300

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH161	SMH162	SMH163	SMH164	SMH165	SMH166
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
			SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76
			Lab Sample No.(s)	9026645	9026646	9026647	9026648	9026649	9026651
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		100	114	104	103	103	99
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<44 M	<44 M	<44 M	<44 M	<44 M	<44 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		3.19 M	<2 M	<2 M	<2 M	3.21 M	3.23 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 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		<10	<10	<10	<10	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C8-C10	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C10-C12	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C12-C16	<100 µg/kg	TM173		263	234	800	2320	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		990	1520	1960	3310	<100	2130
Aliphatics >C21-C35	<100 µg/kg	TM173		4770	7330	14800	11200	2950	30600
Aliphatics >C35-C44	<100 µg/kg	TM173		1380	3900	7660	2550	<100	26900
Total Aliphatics >C12-C44	<100 µg/kg	TM173		7400	13000	25200	19300	2950	59600
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC12-EC16	<100 µg/kg	TM173		1050	1890	2330	224	2280	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		3720	8890	<100	5120	19000	6750
Aromatics >EC21-EC35	<100 µg/kg	TM173		13300	26800	7310	17500	57900	54400
Aromatics >EC35-EC44	<100 µg/kg	TM173		2730	11200	4090	7350	20700	44100
Aromatics >EC40-EC44	<100 µg/kg	TM173		709	4480	1400	2210	7870	19000
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		20800	48800	12600	30200	100000	103000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		28200	61800	37800	49500	103000	163000

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH167	SMH168	SMH169	SMH170	SMH171	SMH172
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
			SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76
			Lab Sample No.(s)	9026652	9026654	9026655	9026656	9026657	9026658
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		92	108	104	113	96	105
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<44 M	<44 M	<44 M	<44 M	<44 M	<44 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		3.28 M	2.16 M	<2 M	<2 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 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		<10	<10	<10	<10	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C8-C10	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C10-C12	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	2450	2680	1770	1620
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	<100	16700	16000	12400	11700
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	7270	9980	7410	7810
Total Aliphatics >C12-C44	<100 µg/kg	TM173		<100	<100	26400	28600	21500	21100
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC12-EC16	<100 µg/kg	TM173		1300	1550	<100	5710	5040	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		13900	5930	2210	<100	<100	2250
Aromatics >EC21-EC35	<100 µg/kg	TM173		44600	26900	18900	21300	17700	20000
Aromatics >EC35-EC44	<100 µg/kg	TM173		16800	13000	10100	21100	17200	19400
Aromatics >EC40-EC44	<100 µg/kg	TM173		6530	4810	3790	9550	7750	8700
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		76600	47400	30700	45500	37400	41600
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		76600	47400	57100	74200	58900	62700

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH173	SMH174	SMH175	SMH176	SMH177	SMH178
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
			SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76
			Lab Sample No.(s)	9026659	9026660	9026661	9026662	9026663	9026664
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		93	111	118	114	114	99
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<44 M	<44 M	<44 M	<44 M	<44 M	<44 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	<2 M	<2 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 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		<10	<10	<10	<10	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C8-C10	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C10-C12	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	1450	1480	<100	676
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	731	1880	4440	<100	2680
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	11100	19700	82000	4040	21700
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	10300	10200	61100	514	15400
Total Aliphatics >C12-C44	<100 µg/kg	TM173		<100	22100	33300	149000	4550	40500
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC12-EC16	<100 µg/kg	TM173		324	<100	<100	<100	<100	1450
Aromatics >EC16-EC21	<100 µg/kg	TM173		2540	2880	<100	12000	4810	815
Aromatics >EC21-EC35	<100 µg/kg	TM173		15800	23300	13600	144000	20900	30600
Aromatics >EC35-EC44	<100 µg/kg	TM173		11200	20600	14000	115000	6980	36900
Aromatics >EC40-EC44	<100 µg/kg	TM173		4660	8820	5980	49700	2290	17500
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		29800	46100	25500	271000	32100	69700
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		29800	68200	58800	420000	36700	110000

CERTIFICATE OF ANALYSIS

SDG: 140322-76 **Location:** Coed Darcy **Order Number:** CD0638
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294942
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 265955

TPH CWG (S)

Results Legend		Customer Sample Ref.	SMH179	SMH180	SMH181	SMH182	SMH183	SMH184
#	ISO17025 accredited.	Depth (m)	.	.	.	.	.	.
M	*m*CERTS accredited.	Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.	Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
diss.filt	Dissolved / filtered sample.	Sample Time	.	.	.	.	.	.
tot.unfilt	Total / unfiltered sample.	Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
*	Subcontracted test.	SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76
**	% 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	Lab Sample No.(s)	9026665	9026667	9026668	9026669	9026670	9026671
(F)	Trigger breach confirmed	AGS Reference						
1-5&+§@	Sample deviation (see appendix)							

Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	107	104	108	121	103	88
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	<44 M	<44 M	<44 M	<44 M	<44 M	<44 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089	<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089	<2 M	<2 M	<2 M	<2 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089	<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089	<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089	<3 M	<3 M	<3 M	<3 M	<3 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	<10	<10	<10	<10	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089	<10	<10	<10	<10	<10	<10
Aliphatics >C8-C10	<10 µg/kg	TM089	<10	<10	<10	<10	<10	<10
Aliphatics >C10-C12	<10 µg/kg	TM089	<10	<10	<10	<10	<10	<10
Aliphatics >C12-C16	<100 µg/kg	TM173	<100	<100	<100	<100	243	<100
Aliphatics >C16-C21	<100 µg/kg	TM173	5060	<100	<100	3460	1780	<100
Aliphatics >C21-C35	<100 µg/kg	TM173	14500	7540	8160	22600	15500	<100
Aliphatics >C35-C44	<100 µg/kg	TM173	8180	3650	3550	18300	13800	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173	27800	11200	11700	44400	31300	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089	<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089	<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089	<10	<10	<10	<10	<10	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089	<10	<10	<10	<10	<10	<10
Aromatics >EC12-EC16	<100 µg/kg	TM173	2380	<100	<100	<100	1590	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173	6610	4700	<100	7480	941	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173	29200	24500	7610	38500	21300	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173	18000	12500	7330	18900	30200	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173	6950	4520	3410	6980	13900	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	56100	41300	13700	64300	54000	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	83900	52500	25400	109000	85300	<100

CERTIFICATE OF ANALYSIS

SDG: 140322-76 **Location:** Coed Darcy **Order Number:** CD0638
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294942
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 265955

TPH CWG (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH185	SMH186	SMH187	SMH188	SMH189	SMH190
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
			SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76
			Lab Sample No.(s)	9026672	9026673	9026674	9026675	9026676	9026677
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		103	111	112	107	130	101
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<44 M	<44 M	<44 M	<44 M	<44 M	<44 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	<2 M	<2 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 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		<10	<10	<10	<10	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C8-C10	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C10-C12	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	<100	1300	<100	868
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	<100	2580	<100	1520
Aliphatics >C21-C35	<100 µg/kg	TM173		2580	<100	5320	22000	12200	6060
Aliphatics >C35-C44	<100 µg/kg	TM173		2630	<100	1550	6980	8090	1280
Total Aliphatics >C12-C44	<100 µg/kg	TM173		5210	<100	6870	32900	20300	9730
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	<100	<100	<100	1200
Aromatics >EC16-EC21	<100 µg/kg	TM173		10600	947	5620	<100	2770	4000
Aromatics >EC21-EC35	<100 µg/kg	TM173		38700	9750	20800	3160	26200	24200
Aromatics >EC35-EC44	<100 µg/kg	TM173		15700	5660	8310	4590	19200	3750
Aromatics >EC40-EC44	<100 µg/kg	TM173		5650	2230	3070	1830	8120	839
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		64500	15800	32600	5650	47600	33100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		69800	15800	39400	38500	67900	42900

CERTIFICATE OF ANALYSIS

SDG: 140322-76 **Location:** Coed Darcy **Order Number:** CD0638
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294942
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 265955

TPH CWG (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH191	SMH192	SMH193	SMH194	SMH195
			Depth (m)	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			Sample Time	.	.	.	.	.
			Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
			SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76
			Lab Sample No.(s)	9026678	9026679	9026681	9026682	9026683
			AGS Reference					
GRO Surrogate % recovery**	%	TM089		107	102	96	96	97
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<44 M	<44 M	<44 M	<44 M	<44 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	<2 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		<10	<10	<10	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		<10	<10	<10	<10	<10
Aliphatics >C8-C10	<10 µg/kg	TM089		<10	<10	<10	<10	<10
Aliphatics >C10-C12	<10 µg/kg	TM089		<10	<10	<10	<10	<10
Aliphatics >C12-C16	<100 µg/kg	TM173		787	<100	309	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		379	<100	1120	817	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		1940	<100	3100	11100	1220
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	<100	7300	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		3110	<100	4530	19200	1220
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		<10	<10	<10	<10	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089		<10	<10	<10	<10	<10
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	<100	<100	1170
Aromatics >EC16-EC21	<100 µg/kg	TM173		6180	1400	1340	1310	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		12100	11400	3990	14700	1060
Aromatics >EC35-EC44	<100 µg/kg	TM173		1670	8000	887	12300	849
Aromatics >EC40-EC44	<100 µg/kg	TM173		415	3650	280	5240	382
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		19900	18600	6070	27700	2690
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		23000	18600	10600	46900	3920

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH137	SMH138	SMH139	SMH140	SMH141	SMH142
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
			SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76
			Lab Sample No.(s)	9026620	9026621	9026622	9026623	9026624	9026625
			AGS Reference						
Dibromofluoromethane**	%	TM116		81.2	94.5	87.4	87.8	88.2	82.3
Toluene-d8**	%	TM116		101	102	97.3	99.5	98.7	100
4-Bromofluorobenzene**	%	TM116		118	114	127	105	108	108
Dichlorodifluoromethane	<4 µg/kg	TM116		<4 #	<4 #	<4 #	<4 #	<4 #	<4 #
Chloromethane	<7 µg/kg	TM116		<7	<7	<7	<7	<7	<7
Vinyl Chloride	<10 µg/kg	TM116		<10	<10	<10	<10	<10	<10
Bromomethane	<13 µg/kg	TM116		<13 #	<13 #	<13 #	<13 #	<13 #	<13 #
Chloroethane	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
Trichlorofluorormethane	<6 µg/kg	TM116		<6 #	<6 #	<6 #	<6 #	<6 #	<6 #
1,1-Dichloroethene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Carbon Disulphide	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	<7 M	<7 M
Dichloromethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<11	<11	<11	<11	<11	<11
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<11 #	<11 #	<11 #	<11 #	<11 #	<11 #
1,1-Dichloroethane	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
2,2-Dichloropropane	<12 µg/kg	TM116		<12	<12	<12	<12	<12	<12
Bromochloromethane	<14 µg/kg	TM116		<14 #	<14 #	<14 #	<14 #	<14 #	<14 #
Chloroform	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	<7 M	<7 M
1,1-Dichloropropene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M	<11 M	<11 M
Carbontetrachloride	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
1,2-Dichloroethane	<5 µg/kg	TM116		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
Benzene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M	<9 M	<9 M
Trichloroethene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M	<9 M	<9 M
1,2-Dichloropropane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Dibromomethane	<9 µg/kg	TM116		<9 #	<9 #	<9 #	<9 #	<9 #	<9 #
Bromodichloromethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	<7 M	<7 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<14	<14	<14	<14	<14	<14
Toluene	<5 µg/kg	TM116		8.15 M	<5 M	6.98 M	<5 M	<5 M	5.31 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<100	<100	<100	<100	<100	<100
1,1,2-Trichloroethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH137	SMH138	SMH139	SMH140	SMH141	SMH142
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
			SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76
			Lab Sample No.(s)	9026620	9026621	9026622	9026623	9026624	9026625
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<7 #	<7 #	<7 #	<7 #	<7 #	<7 #
Tetrachloroethene	<5 µg/kg	TM116		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
Dibromochloromethane	<13 µg/kg	TM116		<13 #	<13 #	<13 #	<13 #	<13 #	<13 #
1,2-Dibromoethane	<12 µg/kg	TM116		<12 #	<12 #	<12 #	<12 #	<12 #	<12 #
Chlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Ethylbenzene	<4 µg/kg	TM116		<4 #	<4 #	<4 #	<4 #	<4 #	<4 #
p/m-Xylene	<14 µg/kg	TM116		<14 #	<14 #	<14 #	<14 #	<14 #	<14 #
o-Xylene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Styrene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Bromoform	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Isopropylbenzene	<5 µg/kg	TM116		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<17 #	<17 #	<17 #	<17 #	<17 #	<17 #
Bromobenzene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Propylbenzene	<11 µg/kg	TM116		<11 #	<11 #	<11 #	<11 #	<11 #	<11 #
2-Chlorotoluene	<9 µg/kg	TM116		<9 #	<9 #	<9 #	<9 #	<9 #	<9 #
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<8 #	<8 #	<8 #	<8 #	<8 #	<8 #
4-Chlorotoluene	<12 µg/kg	TM116		<12 #	<12 #	<12 #	<12 #	<12 #	<12 #
tert-Butylbenzene	<12 µg/kg	TM116		<12 #	<12 #	<12 #	<12 #	<12 #	<12 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<9 #	<9 #	<9 #	<9 #	<9 #	<9 #
sec-Butylbenzene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
4-Isopropyltoluene	<11 µg/kg	TM116		<11 #	<11 #	<11 #	<11 #	<11 #	<11 #
1,3-Dichlorobenzene	<6 µg/kg	TM116		<6 #	<6 #	<6 #	<6 #	<6 #	<6 #
1,4-Dichlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
n-Butylbenzene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
1,2-Dichlorobenzene	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<14 #	<14 #	<14 #	<14 #	<14 #	<14 #
Tert-amyl methyl ether	<15 µg/kg	TM116		<15	<15	<15	<15	<15	<15
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<6 #	<6 #	<6 #	<6 #	<6 #	<6 #
Hexachlorobutadiene	<12 µg/kg	TM116		<12	<12	<12	<12	<12	<12
Naphthalene	<13 µg/kg	TM116		<13 #	<13 #	<13 #	<13 #	<13 #	<13 #

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

VOC MS (S)

Results Legend		Customer Sample Ref.	SMH137	SMH138	SMH139	SMH140	SMH141	SMH142
#	ISO17025 accredited.							
M	*m*CERTS 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)							
		Depth (m)	.	.	.	.	.	.
		Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
		Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
		Sample Time	.	.	.	.	.	.
		Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
		SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76
		Lab Sample No.(s)	9026620	9026621	9026622	9026623	9026624	9026625
		AGS Reference						
Component	**LOD/Units**	**Method**						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	<6 #	<6 #	<6 #	<6 #	<6 #	<6 #

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH143	SMH144	SMH145	SMH146	SMH147	SMH148
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
			SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76
			Lab Sample No.(s)	9026626	9026627	9026628	9026629	9026630	9026631
			AGS Reference						
Dibromofluoromethane**	%	TM116		87	86.3	98.7	76.4	90.2	91.5
Toluene-d8**	%	TM116		96.5	99.8	102	99.2	98	98.8
4-Bromofluorobenzene**	%	TM116		106	106	97.4	107	108	102
Dichlorodifluoromethane	<4 µg/kg	TM116		<4 #	<4 #	<4 #	<4 #	<4 #	<4 #
Chloromethane	<7 µg/kg	TM116		<7	<7	<7	<7	<7	<7
Vinyl Chloride	<10 µg/kg	TM116		<10	<10	<10	<10	<10	<10
Bromomethane	<13 µg/kg	TM116		<13 #	<13 #	<13 #	<13 #	<13 #	<13 #
Chloroethane	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
Trichlorofluorormethane	<6 µg/kg	TM116		<6 #	<6 #	<6 #	<6 #	<6 #	<6 #
1,1-Dichloroethene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Carbon Disulphide	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	<7 M	<7 M
Dichloromethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<11	<11	<11	<11	<11	<11
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<11 #	<11 #	<11 #	<11 #	<11 #	<11 #
1,1-Dichloroethane	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
2,2-Dichloropropane	<12 µg/kg	TM116		<12	<12	<12	<12	<12	<12
Bromochloromethane	<14 µg/kg	TM116		<14 #	<14 #	<14 #	<14 #	<14 #	<14 #
Chloroform	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	<7 M	<7 M
1,1-Dichloropropene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M	<11 M	<11 M
Carbontetrachloride	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
1,2-Dichloroethane	<5 µg/kg	TM116		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
Benzene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M	<9 M	<9 M
Trichloroethene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M	<9 M	<9 M
1,2-Dichloropropane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Dibromomethane	<9 µg/kg	TM116		<9 #	<9 #	<9 #	<9 #	<9 #	<9 #
Bromodichloromethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	<7 M	<7 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<14	<14	<14	<14	<14	<14
Toluene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<100	<100	<100	<100	<100	<100
1,1,2-Trichloroethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH143	SMH144	SMH145	SMH146	SMH147	SMH148
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
			SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76
			Lab Sample No.(s)	9026626	9026627	9026628	9026629	9026630	9026631
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<7 #	<7 #	<7 #	<7 #	<7 #	<7 #
Tetrachloroethene	<5 µg/kg	TM116		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
Dibromochloromethane	<13 µg/kg	TM116		<13 #	<13 #	<13 #	<13 #	<13 #	<13 #
1,2-Dibromoethane	<12 µg/kg	TM116		<12 #	<12 #	<12 #	<12 #	<12 #	<12 #
Chlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Ethylbenzene	<4 µg/kg	TM116		<4 #	<4 #	<4 #	<4 #	<4 #	<4 #
p/m-Xylene	<14 µg/kg	TM116		<14 #	<14 #	<14 #	<14 #	<14 #	<14 #
o-Xylene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Styrene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Bromoform	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Isopropylbenzene	<5 µg/kg	TM116		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<17 #	<17 #	<17 #	<17 #	<17 #	<17 #
Bromobenzene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Propylbenzene	<11 µg/kg	TM116		<11 #	<11 #	<11 #	<11 #	<11 #	<11 #
2-Chlorotoluene	<9 µg/kg	TM116		<9 #	<9 #	<9 #	<9 #	<9 #	<9 #
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<8 #	<8 #	<8 #	<8 #	<8 #	<8 #
4-Chlorotoluene	<12 µg/kg	TM116		<12 #	<12 #	<12 #	<12 #	<12 #	<12 #
tert-Butylbenzene	<12 µg/kg	TM116		<12 #	<12 #	<12 #	<12 #	<12 #	<12 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<9 #	<9 #	<9 #	<9 #	<9 #	<9 #
sec-Butylbenzene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
4-Isopropyltoluene	<11 µg/kg	TM116		<11 #	<11 #	<11 #	<11 #	<11 #	<11 #
1,3-Dichlorobenzene	<6 µg/kg	TM116		<6 #	<6 #	<6 #	<6 #	<6 #	<6 #
1,4-Dichlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
n-Butylbenzene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
1,2-Dichlorobenzene	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<14 #	<14 #	<14 #	<14 #	<14 #	<14 #
Tert-amyl methyl ether	<15 µg/kg	TM116		<15	<15	<15	<15	<15	<15
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<6 #	<6 #	<6 #	<6 #	<6 #	<6 #
Hexachlorobutadiene	<12 µg/kg	TM116		<12	<12	<12	<12	<12	<12
Naphthalene	<13 µg/kg	TM116		<13 #	<13 #	<13 #	<13 #	<13 #	<13 #

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

VOC MS (S)

Results Legend									
#	ISO17025 accredited.	Customer Sample Ref.	SMH143	SMH144	SMH145	SMH146	SMH147	SMH148	
M	*m*CERTS accredited.	Depth (m)	.	.	.	.	.	.	
aq	Aqueous / settled sample.	Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	
diss.filt	Dissolved / filtered sample.	Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	
tot.unfilt	Total / unfiltered sample.	Sample Time	.	.	.	.	.	.	
*	Subcontracted test.	Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	
**	% 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	SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76	
(F)	Trigger breach confirmed	Lab Sample No.(s)	9026626	9026627	9026628	9026629	9026630	9026631	
1-5&♦§@	Sample deviation (see appendix)	AGS Reference							
Component		**LOD/Units**	**Method**						
1,2,3-Trichlorobenzene		<6 µg/kg	TM116	<6 #	<6 #	<6 #	<6 #	<6 #	<6 #

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH149	SMH150	SMH151	SMH152	SMH153	SMH154
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
			SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76
			Lab Sample No.(s)	9026632	9026633	9026634	9026635	9026636	9026637
			AGS Reference						
Dibromofluoromethane**	%	TM116		68.4	86.6	83.4	110	111	104
Toluene-d8**	%	TM116		101	101	99	101	102	98.1
4-Bromofluorobenzene**	%	TM116		109	105	114	98.1	110	113
Dichlorodifluoromethane	<4 µg/kg	TM116		<4 #	<4 #	<4 #	<4 #	<4 #	<4 #
Chloromethane	<7 µg/kg	TM116		<7	<7	<7	<7	<7	<7
Vinyl Chloride	<10 µg/kg	TM116		<10	<10	<10	<10	<10	<10
Bromomethane	<13 µg/kg	TM116		<13 #	<13 #	<13 #	<13 #	<13 #	<13 #
Chloroethane	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
Trichlorofluorormethane	<6 µg/kg	TM116		<6 #	<6 #	<6 #	<6 #	<6 #	<6 #
1,1-Dichloroethene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Carbon Disulphide	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	<7 M	9.84 M
Dichloromethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<11	<11	<11	<11	<11	<11
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<11 #	<11 #	<11 #	<11 #	<11 #	<11 #
1,1-Dichloroethane	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
2,2-Dichloropropane	<12 µg/kg	TM116		<12	<12	<12	<12	<12	<12
Bromochloromethane	<14 µg/kg	TM116		<14 #	<14 #	<14 #	<14 #	<14 #	<14 #
Chloroform	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	<7 M	<7 M
1,1-Dichloropropene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M	<11 M	<11 M
Carbontetrachloride	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
1,2-Dichloroethane	<5 µg/kg	TM116		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
Benzene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M	<9 M	<9 M
Trichloroethene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M	<9 M	<9 M
1,2-Dichloropropane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Dibromomethane	<9 µg/kg	TM116		<9 #	<9 #	<9 #	<9 #	<9 #	<9 #
Bromodichloromethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	<7 M	<7 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<14	<14	<14	<14	<14	<14
Toluene	<5 µg/kg	TM116		<5 M	<5 M	7.15 M	<5 M	<5 M	<5 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<100	<100	<100	<100	<100	<100
1,1,2-Trichloroethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH149	SMH150	SMH151	SMH152	SMH153	SMH154
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
			SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76
			Lab Sample No.(s)	9026632	9026633	9026634	9026635	9026636	9026637
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<7 #	<7 #	<7 #	<7 #	<7 #	<7 #
Tetrachloroethene	<5 µg/kg	TM116		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
Dibromochloromethane	<13 µg/kg	TM116		<13 #	<13 #	<13 #	<13 #	<13 #	<13 #
1,2-Dibromoethane	<12 µg/kg	TM116		<12 #	<12 #	<12 #	<12 #	<12 #	<12 #
Chlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Ethylbenzene	<4 µg/kg	TM116		<4 #	<4 #	<4 #	<4 #	<4 #	<4 #
p/m-Xylene	<14 µg/kg	TM116		<14 #	<14 #	<14 #	<14 #	<14 #	<14 #
o-Xylene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Styrene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Bromoform	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Isopropylbenzene	<5 µg/kg	TM116		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<17 #	<17 #	<17 #	<17 #	<17 #	<17 #
Bromobenzene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Propylbenzene	<11 µg/kg	TM116		<11 #	<11 #	<11 #	<11 #	<11 #	<11 #
2-Chlorotoluene	<9 µg/kg	TM116		<9 #	<9 #	<9 #	<9 #	<9 #	<9 #
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<8 #	<8 #	<8 #	<8 #	<8 #	<8 #
4-Chlorotoluene	<12 µg/kg	TM116		<12 #	<12 #	<12 #	<12 #	<12 #	<12 #
tert-Butylbenzene	<12 µg/kg	TM116		<12 #	<12 #	<12 #	<12 #	<12 #	<12 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<9 #	<9 #	<9 #	<9 #	<9 #	<9 #
sec-Butylbenzene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
4-Isopropyltoluene	<11 µg/kg	TM116		<11 #	<11 #	<11 #	<11 #	<11 #	<11 #
1,3-Dichlorobenzene	<6 µg/kg	TM116		<6 #	<6 #	<6 #	<6 #	<6 #	<6 #
1,4-Dichlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
n-Butylbenzene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
1,2-Dichlorobenzene	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<14 #	<14 #	<14 #	<14 #	<14 #	<14 #
Tert-amyl methyl ether	<15 µg/kg	TM116		<15	<15	<15	<15	<15	<15
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<6 #	<6 #	<6 #	<6 #	<6 #	<6 #
Hexachlorobutadiene	<12 µg/kg	TM116		<12	<12	<12	<12	<12	<12
Naphthalene	<13 µg/kg	TM116		<13 #	<13 #	<13 #	<13 #	<13 #	<13 #

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

VOC MS (S)

Results Legend		Customer Sample Ref.	SMH149	SMH150	SMH151	SMH152	SMH153	SMH154
#	ISO17025 accredited.							
M	*m*CERTS accredited.							
aq	Aqueous / settled sample.	Depth (m)	.	.	.	.	.	.
diss.filt	Dissolved / filtered sample.	Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
tot.unfilt	Total / unfiltered sample.	Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
*	Subcontracted test.	Sample Time	.	.	.	.	.	.
**	% 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	Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
		SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76
(F)	Trigger breach confirmed	Lab Sample No.(s)	9026632	9026633	9026634	9026635	9026636	9026637
1-5&♦§@	Sample deviation (see appendix)	AGS Reference						

Component	LOD/Units	Method						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	<6 #	<6 #	<6 #	<6 #	<6 #	<6 #

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH155	SMH156	SMH157	SMH158	SMH159	SMH160
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
			SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76
			Lab Sample No.(s)	9026638	9026640	9026641	9026642	9026643	9026644
			AGS Reference						
Dibromofluoromethane**	%	TM116		110	107	106	101	102	98.2
Toluene-d8**	%	TM116		101	99.6	102	100	102	103
4-Bromofluorobenzene**	%	TM116		111	100	102	114	110	107
Dichlorodifluoromethane	<4 µg/kg	TM116		<4 #	<4 #	<4 #	<4 #	<4 #	<4 #
Chloromethane	<7 µg/kg	TM116		<7	<7	<7	<7	<7	<7
Vinyl Chloride	<10 µg/kg	TM116		<10	<10	<10	<10	<10	<10
Bromomethane	<13 µg/kg	TM116		<13 #	<13 #	<13 #	<13 #	<13 #	<13 #
Chloroethane	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
Trichlorofluorormethane	<6 µg/kg	TM116		<6 #	<6 #	<6 #	<6 #	<6 #	<6 #
1,1-Dichloroethene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Carbon Disulphide	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	<7 M	<7 M
Dichloromethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<11	<11	<11	<11	<11	<11
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<11 #	<11 #	<11 #	<11 #	<11 #	<11 #
1,1-Dichloroethane	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
2,2-Dichloropropane	<12 µg/kg	TM116		<12	<12	<12	<12	<12	<12
Bromochloromethane	<14 µg/kg	TM116		<14 #	<14 #	<14 #	<14 #	<14 #	<14 #
Chloroform	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	<7 M	<7 M
1,1-Dichloropropene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M	<11 M	<11 M
Carbontetrachloride	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
1,2-Dichloroethane	<5 µg/kg	TM116		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
Benzene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M	<9 M	<9 M
Trichloroethene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M	<9 M	<9 M
1,2-Dichloropropane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Dibromomethane	<9 µg/kg	TM116		<9 #	<9 #	<9 #	<9 #	<9 #	<9 #
Bromodichloromethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	<7 M	<7 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<14	<14	<14	<14	<14	<14
Toluene	<5 µg/kg	TM116		11.7 M	<5 M	<5 M	6.9 M	7.08 M	<5 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<100	<100	<100	<100	<100	<100
1,1,2-Trichloroethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH155	SMH156	SMH157	SMH158	SMH159	SMH160
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
			SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76
			Lab Sample No.(s)	9026638	9026640	9026641	9026642	9026643	9026644
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<7 #	<7 #	<7 #	<7 #	<7 #	<7 #
Tetrachloroethene	<5 µg/kg	TM116		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
Dibromochloromethane	<13 µg/kg	TM116		<13 #	<13 #	<13 #	<13 #	<13 #	<13 #
1,2-Dibromoethane	<12 µg/kg	TM116		<12 #	<12 #	<12 #	<12 #	<12 #	<12 #
Chlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Ethylbenzene	<4 µg/kg	TM116		<4 #	<4 #	<4 #	<4 #	<4 #	<4 #
p/m-Xylene	<14 µg/kg	TM116		<14 #	<14 #	<14 #	<14 #	<14 #	<14 #
o-Xylene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Styrene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Bromoform	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Isopropylbenzene	<5 µg/kg	TM116		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<17 #	<17 #	<17 #	<17 #	<17 #	<17 #
Bromobenzene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Propylbenzene	<11 µg/kg	TM116		<11 #	<11 #	<11 #	<11 #	<11 #	<11 #
2-Chlorotoluene	<9 µg/kg	TM116		<9 #	<9 #	<9 #	<9 #	<9 #	<9 #
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<8 #	<8 #	<8 #	<8 #	<8 #	<8 #
4-Chlorotoluene	<12 µg/kg	TM116		<12 #	<12 #	<12 #	<12 #	<12 #	<12 #
tert-Butylbenzene	<12 µg/kg	TM116		<12 #	<12 #	<12 #	<12 #	<12 #	<12 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<9 #	<9 #	<9 #	<9 #	<9 #	<9 #
sec-Butylbenzene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
4-Isopropyltoluene	<11 µg/kg	TM116		<11 #	<11 #	<11 #	<11 #	<11 #	<11 #
1,3-Dichlorobenzene	<6 µg/kg	TM116		<6 #	<6 #	<6 #	<6 #	<6 #	<6 #
1,4-Dichlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
n-Butylbenzene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
1,2-Dichlorobenzene	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<14 #	<14 #	<14 #	<14 #	<14 #	<14 #
Tert-amyl methyl ether	<15 µg/kg	TM116		<15	<15	<15	<15	<15	<15
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<6 #	<6 #	<6 #	<6 #	<6 #	<6 #
Hexachlorobutadiene	<12 µg/kg	TM116		<12	<12	<12	<12	<12	<12
Naphthalene	<13 µg/kg	TM116		<13 #	<13 #	<13 #	<13 #	<13 #	<13 #

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

VOC MS (S)

Results Legend		Customer Sample Ref.	SMH155	SMH156	SMH157	SMH158	SMH159	SMH160
#	ISO17025 accredited.							
M	*m*CERTS 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)							
		Depth (m)	.	.	.	.	.	.
		Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
		Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
		Sample Time	.	.	.	.	.	.
		Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
		SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76
		Lab Sample No.(s)	9026638	9026640	9026641	9026642	9026643	9026644
		AGS Reference						

Component	LOD/Units	Method						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	<6 #	<6 #	<6 #	<6 #	<6 #	<6 #

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH161	SMH162	SMH163	SMH164	SMH165	SMH166
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
			SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76
			Lab Sample No.(s)	9026645	9026646	9026647	9026648	9026649	9026651
			AGS Reference						
Dibromofluoromethane**	%	TM116		102	103	104	103	104	98.8
Toluene-d8**	%	TM116		100	102	101	103	101	101
4-Bromofluorobenzene**	%	TM116		110	110	114	103	114	117
Dichlorodifluoromethane	<4 µg/kg	TM116		<4 #	<4 #	<4 #	<4 #	<4 #	<4 #
Chloromethane	<7 µg/kg	TM116		<7	<7	<7	<7	<7	<7
Vinyl Chloride	<10 µg/kg	TM116		<10	<10	<10	<10	<10	<10
Bromomethane	<13 µg/kg	TM116		<13 #	<13 #	<13 #	<13 #	<13 #	<13 #
Chloroethane	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
Trichlorofluorormethane	<6 µg/kg	TM116		<6 #	<6 #	<6 #	<6 #	<6 #	<6 #
1,1-Dichloroethene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Carbon Disulphide	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	<7 M	<7 M
Dichloromethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<11	<11	<11	<11	<11	<11
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<11 #	<11 #	<11 #	<11 #	<11 #	<11 #
1,1-Dichloroethane	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
2,2-Dichloropropane	<12 µg/kg	TM116		<12	<12	<12	<12	<12	<12
Bromochloromethane	<14 µg/kg	TM116		<14 #	<14 #	<14 #	<14 #	<14 #	<14 #
Chloroform	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	<7 M	<7 M
1,1-Dichloropropene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M	<11 M	<11 M
Carbontetrachloride	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
1,2-Dichloroethane	<5 µg/kg	TM116		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
Benzene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M	<9 M	<9 M
Trichloroethene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M	<9 M	<9 M
1,2-Dichloropropane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Dibromomethane	<9 µg/kg	TM116		<9 #	<9 #	<9 #	<9 #	<9 #	<9 #
Bromodichloromethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	<7 M	<7 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<14	<14	<14	<14	<14	<14
Toluene	<5 µg/kg	TM116		7.96 M	5.97 M	7.38 M	<5 M	10 M	7.54 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<100	<100	<100	<100	<100	<100
1,1,2-Trichloroethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH161	SMH162	SMH163	SMH164	SMH165	SMH166
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
			SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76
			Lab Sample No.(s)	9026645	9026646	9026647	9026648	9026649	9026651
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<7 #	<7 #	<7 #	<7 #	<7 #	<7 #
Tetrachloroethene	<5 µg/kg	TM116		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
Dibromochloromethane	<13 µg/kg	TM116		<13 #	<13 #	<13 #	<13 #	<13 #	<13 #
1,2-Dibromoethane	<12 µg/kg	TM116		<12 #	<12 #	<12 #	<12 #	<12 #	<12 #
Chlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Ethylbenzene	<4 µg/kg	TM116		<4 #	<4 #	<4 #	<4 #	<4 #	<4 #
p/m-Xylene	<14 µg/kg	TM116		<14 #	<14 #	<14 #	<14 #	<14 #	<14 #
o-Xylene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Styrene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Bromoform	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Isopropylbenzene	<5 µg/kg	TM116		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<17 #	<17 #	<17 #	<17 #	<17 #	<17 #
Bromobenzene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Propylbenzene	<11 µg/kg	TM116		<11 #	<11 #	<11 #	<11 #	<11 #	<11 #
2-Chlorotoluene	<9 µg/kg	TM116		<9 #	<9 #	<9 #	<9 #	<9 #	<9 #
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<8 #	<8 #	<8 #	<8 #	<8 #	<8 #
4-Chlorotoluene	<12 µg/kg	TM116		<12 #	<12 #	<12 #	<12 #	<12 #	<12 #
tert-Butylbenzene	<12 µg/kg	TM116		<12 #	<12 #	<12 #	<12 #	<12 #	<12 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<9 #	<9 #	<9 #	<9 #	<9 #	<9 #
sec-Butylbenzene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
4-Isopropyltoluene	<11 µg/kg	TM116		<11 #	<11 #	<11 #	<11 #	<11 #	<11 #
1,3-Dichlorobenzene	<6 µg/kg	TM116		<6 #	<6 #	<6 #	<6 #	<6 #	<6 #
1,4-Dichlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
n-Butylbenzene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
1,2-Dichlorobenzene	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<14 #	<14 #	<14 #	<14 #	<14 #	<14 #
Tert-amyl methyl ether	<15 µg/kg	TM116		<15	<15	<15	<15	<15	<15
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<6 #	<6 #	<6 #	<6 #	<6 #	<6 #
Hexachlorobutadiene	<12 µg/kg	TM116		<12	<12	<12	<12	<12	<12
Naphthalene	<13 µg/kg	TM116		<13 #	<13 #	<13 #	<13 #	<13 #	<13 #

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

VOC MS (S)

Results Legend		Customer Sample Ref.	SMH161	SMH162	SMH163	SMH164	SMH165	SMH166
#	ISO17025 accredited.							
M	*m*CERTS 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)							
		Depth (m)	.	.	.	.	.	.
		Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
		Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
		Sample Time	.	.	.	.	.	.
		Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
		SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76
		Lab Sample No.(s)	9026645	9026646	9026647	9026648	9026649	9026651
		AGS Reference						

Component	LOD/Units	Method						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	<6 #	<6 #	<6 #	<6 #	<6 #	<6 #

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH167	SMH168	SMH169	SMH170	SMH171	SMH172
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
			SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76
			Lab Sample No.(s)	9026652	9026654	9026655	9026656	9026657	9026658
			AGS Reference						
Dibromofluoromethane**	%	TM116		88.8	97.7	85.4	89.5	86	86.2
Toluene-d8**	%	TM116		101	102	100	99.4	98	98.9
4-Bromofluorobenzene**	%	TM116		110	114	116	112	114	114
Dichlorodifluoromethane	<4 µg/kg	TM116		<4 #	<4 #	<4 #	<4 #	<4 #	<4 #
Chloromethane	<7 µg/kg	TM116		<7	<7	<7	<7	<7	<7
Vinyl Chloride	<10 µg/kg	TM116		<10	<10	<10	<10	<10	<10
Bromomethane	<13 µg/kg	TM116		<13 #	<13 #	<13 #	<13 #	<13 #	<13 #
Chloroethane	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
Trichlorofluorormethane	<6 µg/kg	TM116		<6 #	<6 #	<6 #	<6 #	<6 #	<6 #
1,1-Dichloroethene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Carbon Disulphide	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	<7 M	<7 M
Dichloromethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<11	<11	<11	<11	<11	<11
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<11 #	<11 #	<11 #	<11 #	<11 #	<11 #
1,1-Dichloroethane	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
2,2-Dichloropropane	<12 µg/kg	TM116		<12	<12	<12	<12	<12	<12
Bromochloromethane	<14 µg/kg	TM116		<14 #	<14 #	<14 #	<14 #	<14 #	<14 #
Chloroform	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	<7 M	<7 M
1,1-Dichloropropene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M	<11 M	<11 M
Carbontetrachloride	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
1,2-Dichloroethane	<5 µg/kg	TM116		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
Benzene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M	<9 M	<9 M
Trichloroethene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M	<9 M	<9 M
1,2-Dichloropropane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Dibromomethane	<9 µg/kg	TM116		<9 #	<9 #	<9 #	<9 #	<9 #	<9 #
Bromodichloromethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	<7 M	<7 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<14	<14	<14	<14	<14	<14
Toluene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	6.28 M	<5 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<100	<100	<100	<100	<100	<100
1,1,2-Trichloroethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH167	SMH168	SMH169	SMH170	SMH171	SMH172
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
			SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76
			Lab Sample No.(s)	9026652	9026654	9026655	9026656	9026657	9026658
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<7 #	<7 #	<7 #	<7 #	<7 #	<7 #
Tetrachloroethene	<5 µg/kg	TM116		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
Dibromochloromethane	<13 µg/kg	TM116		<13 #	<13 #	<13 #	<13 #	<13 #	<13 #
1,2-Dibromoethane	<12 µg/kg	TM116		<12 #	<12 #	<12 #	<12 #	<12 #	<12 #
Chlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Ethylbenzene	<4 µg/kg	TM116		<4 #	<4 #	<4 #	<4 #	<4 #	<4 #
p/m-Xylene	<14 µg/kg	TM116		<14 #	<14 #	<14 #	<14 #	<14 #	<14 #
o-Xylene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Styrene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Bromoform	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Isopropylbenzene	<5 µg/kg	TM116		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<17 #	<17 #	<17 #	<17 #	<17 #	<17 #
Bromobenzene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Propylbenzene	<11 µg/kg	TM116		<11 #	<11 #	<11 #	<11 #	<11 #	<11 #
2-Chlorotoluene	<9 µg/kg	TM116		<9 #	<9 #	<9 #	<9 #	<9 #	<9 #
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<8 #	<8 #	<8 #	<8 #	<8 #	<8 #
4-Chlorotoluene	<12 µg/kg	TM116		<12 #	<12 #	<12 #	<12 #	<12 #	<12 #
tert-Butylbenzene	<12 µg/kg	TM116		<12 #	<12 #	<12 #	<12 #	<12 #	<12 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<9 #	<9 #	<9 #	<9 #	<9 #	<9 #
sec-Butylbenzene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
4-Isopropyltoluene	<11 µg/kg	TM116		<11 #	<11 #	<11 #	<11 #	<11 #	<11 #
1,3-Dichlorobenzene	<6 µg/kg	TM116		<6 #	<6 #	<6 #	<6 #	<6 #	<6 #
1,4-Dichlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
n-Butylbenzene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
1,2-Dichlorobenzene	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<14 #	<14 #	<14 #	<14 #	<14 #	<14 #
Tert-amyl methyl ether	<15 µg/kg	TM116		<15	<15	<15	<15	<15	<15
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<6 #	<6 #	<6 #	<6 #	<6 #	<6 #
Hexachlorobutadiene	<12 µg/kg	TM116		<12	<12	<12	<12	<12	<12
Naphthalene	<13 µg/kg	TM116		<13 #	<13 #	<13 #	<13 #	<13 #	<13 #

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

VOC MS (S)

Results Legend		Customer Sample Ref.	SMH167	SMH168	SMH169	SMH170	SMH171	SMH172
#	ISO17025 accredited.							
M	*m*CERTS 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)							
		Depth (m)	.	.	.	.	.	.
		Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
		Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
		Sample Time	.	.	.	.	.	.
		Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
		SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76
		Lab Sample No.(s)	9026652	9026654	9026655	9026656	9026657	9026658
		AGS Reference						
Component	**LOD/Units**	**Method**						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	<6 #	<6 #	<6 #	<6 #	<6 #	<6 #

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH173	SMH174	SMH175	SMH176	SMH177	SMH178
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
			SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76
			Lab Sample No.(s)	9026659	9026660	9026661	9026662	9026663	9026664
			AGS Reference						
Dibromofluoromethane**	%	TM116		90.4	86.2	103	89.8	87.1	87.3
Toluene-d8**	%	TM116		100	100	101	97.7	103	102
4-Bromofluorobenzene**	%	TM116		113	107	98.3	115	102	111
Dichlorodifluoromethane	<4 µg/kg	TM116		<4 #	<4 #	<4 #	<4 #	<4 #	<4 #
Chloromethane	<7 µg/kg	TM116		<7	<7	<7	<7	<7	<7
Vinyl Chloride	<10 µg/kg	TM116		<10	<10	<10	<10	<10	<10
Bromomethane	<13 µg/kg	TM116		<13 #	<13 #	<13 #	<13 #	<13 #	<13 #
Chloroethane	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
Trichlorofluorormethane	<6 µg/kg	TM116		<6 #	<6 #	<6 #	<6 #	<6 #	<6 #
1,1-Dichloroethene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Carbon Disulphide	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	<7 M	<7 M
Dichloromethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<11	<11	<11	<11	<11	<11
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<11 #	<11 #	<11 #	<11 #	<11 #	<11 #
1,1-Dichloroethane	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
2,2-Dichloropropane	<12 µg/kg	TM116		<12	<12	<12	<12	<12	<12
Bromochloromethane	<14 µg/kg	TM116		<14 #	<14 #	<14 #	<14 #	<14 #	<14 #
Chloroform	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	<7 M	<7 M
1,1-Dichloropropene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M	<11 M	<11 M
Carbontetrachloride	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
1,2-Dichloroethane	<5 µg/kg	TM116		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
Benzene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M	<9 M	<9 M
Trichloroethene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M	<9 M	<9 M
1,2-Dichloropropane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Dibromomethane	<9 µg/kg	TM116		<9 #	<9 #	<9 #	<9 #	<9 #	<9 #
Bromodichloromethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	<7 M	<7 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<14	<14	<14	<14	<14	<14
Toluene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	7.2 M	<5 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<100	<100	<100	<100	<100	<100
1,1,2-Trichloroethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH173	SMH174	SMH175	SMH176	SMH177	SMH178
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
			SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76
			Lab Sample No.(s)	9026659	9026660	9026661	9026662	9026663	9026664
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<7 #	<7 #	<7 #	<7 #	<7 #	<7 #
Tetrachloroethene	<5 µg/kg	TM116		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
Dibromochloromethane	<13 µg/kg	TM116		<13 #	<13 #	<13 #	<13 #	<13 #	<13 #
1,2-Dibromoethane	<12 µg/kg	TM116		<12 #	<12 #	<12 #	<12 #	<12 #	<12 #
Chlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Ethylbenzene	<4 µg/kg	TM116		<4 #	<4 #	<4 #	<4 #	<4 #	<4 #
p/m-Xylene	<14 µg/kg	TM116		<14 #	<14 #	<14 #	<14 #	<14 #	<14 #
o-Xylene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Styrene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Bromoform	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Isopropylbenzene	<5 µg/kg	TM116		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<17 #	<17 #	<17 #	<17 #	<17 #	<17 #
Bromobenzene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Propylbenzene	<11 µg/kg	TM116		<11 #	<11 #	<11 #	<11 #	<11 #	<11 #
2-Chlorotoluene	<9 µg/kg	TM116		<9 #	<9 #	<9 #	<9 #	<9 #	<9 #
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<8 #	<8 #	<8 #	<8 #	<8 #	<8 #
4-Chlorotoluene	<12 µg/kg	TM116		<12 #	<12 #	<12 #	<12 #	<12 #	<12 #
tert-Butylbenzene	<12 µg/kg	TM116		<12 #	<12 #	<12 #	<12 #	<12 #	<12 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<9 #	<9 #	<9 #	<9 #	<9 #	<9 #
sec-Butylbenzene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
4-Isopropyltoluene	<11 µg/kg	TM116		<11 #	<11 #	<11 #	<11 #	<11 #	<11 #
1,3-Dichlorobenzene	<6 µg/kg	TM116		<6 #	<6 #	<6 #	<6 #	<6 #	<6 #
1,4-Dichlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
n-Butylbenzene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
1,2-Dichlorobenzene	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<14 #	<14 #	<14 #	<14 #	<14 #	<14 #
Tert-amyl methyl ether	<15 µg/kg	TM116		<15	<15	<15	<15	<15	<15
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<6 #	<6 #	<6 #	<6 #	<6 #	<6 #
Hexachlorobutadiene	<12 µg/kg	TM116		<12	<12	<12	<12	<12	<12
Naphthalene	<13 µg/kg	TM116		<13 #	<13 #	<13 #	<13 #	<13 #	<13 #

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH173	SMH174	SMH175	SMH176	SMH177	SMH178
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
			SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76
			Lab Sample No.(s)	9026659	9026660	9026661	9026662	9026663	9026664
			AGS Reference						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116		<6 #	<6 #	<6 #	<6 #	<6 #	<6 #

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH179	SMH180	SMH181	SMH182	SMH183	SMH184
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
			SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76
			Lab Sample No.(s)	9026665	9026667	9026668	9026669	9026670	9026671
			AGS Reference						
Dibromofluoromethane**	%	TM116		87.8	87.2	100	93.2	94.6	101
Toluene-d8**	%	TM116		97.9	99.7	99.9	98.6	98.3	101
4-Bromofluorobenzene**	%	TM116		109	106	100	108	112	111
Dichlorodifluoromethane	<4 µg/kg	TM116		<4 #	<4 #	<4 #	<4 #	<4 #	<4 #
Chloromethane	<7 µg/kg	TM116		<7	<7	<7	<7	<7	<7
Vinyl Chloride	<10 µg/kg	TM116		<10	<10	<10	<10	<10	<10
Bromomethane	<13 µg/kg	TM116		<13 #	<13 #	<13 #	<13 #	<13 #	<13 #
Chloroethane	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
Trichlorofluorormethane	<6 µg/kg	TM116		<6 #	<6 #	<6 #	<6 #	<6 #	<6 #
1,1-Dichloroethene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Carbon Disulphide	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	<7 M	<7 M
Dichloromethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<11	<11	<11	<11	<11	<11
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<11 #	<11 #	<11 #	<11 #	<11 #	<11 #
1,1-Dichloroethane	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
2,2-Dichloropropane	<12 µg/kg	TM116		<12	<12	<12	<12	<12	<12
Bromochloromethane	<14 µg/kg	TM116		<14 #	<14 #	<14 #	<14 #	<14 #	<14 #
Chloroform	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	<7 M	<7 M
1,1-Dichloropropene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M	<11 M	<11 M
Carbontetrachloride	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
1,2-Dichloroethane	<5 µg/kg	TM116		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
Benzene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M	<9 M	<9 M
Trichloroethene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M	<9 M	<9 M
1,2-Dichloropropane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Dibromomethane	<9 µg/kg	TM116		<9 #	<9 #	<9 #	<9 #	<9 #	<9 #
Bromodichloromethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	<7 M	<7 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<14	<14	<14	<14	<14	<14
Toluene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<100	<100	<100	<100	<100	<100
1,1,2-Trichloroethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH179	SMH180	SMH181	SMH182	SMH183	SMH184
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
			SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76
			Lab Sample No.(s)	9026665	9026667	9026668	9026669	9026670	9026671
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<7 #	<7 #	<7 #	<7 #	<7 #	<7 #
Tetrachloroethene	<5 µg/kg	TM116		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
Dibromochloromethane	<13 µg/kg	TM116		<13 #	<13 #	<13 #	<13 #	<13 #	<13 #
1,2-Dibromoethane	<12 µg/kg	TM116		<12 #	<12 #	<12 #	<12 #	<12 #	<12 #
Chlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Ethylbenzene	<4 µg/kg	TM116		<4 #	<4 #	<4 #	<4 #	<4 #	<4 #
p/m-Xylene	<14 µg/kg	TM116		<14 #	<14 #	<14 #	<14 #	<14 #	<14 #
o-Xylene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Styrene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Bromoform	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Isopropylbenzene	<5 µg/kg	TM116		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<17 #	<17 #	<17 #	<17 #	<17 #	<17 #
Bromobenzene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Propylbenzene	<11 µg/kg	TM116		<11 #	<11 #	<11 #	<11 #	<11 #	<11 #
2-Chlorotoluene	<9 µg/kg	TM116		<9 #	<9 #	<9 #	<9 #	<9 #	<9 #
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<8 #	<8 #	<8 #	<8 #	<8 #	<8 #
4-Chlorotoluene	<12 µg/kg	TM116		<12 #	<12 #	<12 #	<12 #	<12 #	<12 #
tert-Butylbenzene	<12 µg/kg	TM116		<12 #	<12 #	<12 #	<12 #	<12 #	<12 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<9 #	<9 #	<9 #	<9 #	<9 #	<9 #
sec-Butylbenzene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
4-Isopropyltoluene	<11 µg/kg	TM116		<11 #	<11 #	<11 #	<11 #	<11 #	<11 #
1,3-Dichlorobenzene	<6 µg/kg	TM116		<6 #	<6 #	<6 #	<6 #	<6 #	<6 #
1,4-Dichlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
n-Butylbenzene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
1,2-Dichlorobenzene	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<14 #	<14 #	<14 #	<14 #	<14 #	<14 #
Tert-amyl methyl ether	<15 µg/kg	TM116		<15	<15	<15	<15	<15	<15
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<6 #	<6 #	<6 #	<6 #	<6 #	<6 #
Hexachlorobutadiene	<12 µg/kg	TM116		<12	<12	<12	<12	<12	<12
Naphthalene	<13 µg/kg	TM116		<13 #	<13 #	<13 #	<13 #	<13 #	<13 #

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

VOC MS (S)

Results Legend		Customer Sample Ref.	SMH179	SMH180	SMH181	SMH182	SMH183	SMH184
#	ISO17025 accredited.							
M	*m*CERTS 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)							
		Depth (m)	.	.	.	.	.	.
		Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
		Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
		Sample Time	.	.	.	.	.	.
		Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
		SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76
		Lab Sample No.(s)	9026665	9026667	9026668	9026669	9026670	9026671
		AGS Reference						
Component	**LOD/Units**	**Method**						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	<6 #	<6 #	<6 #	<6 #	<6 #	<6 #

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH185	SMH186	SMH187	SMH188	SMH189	SMH190
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
			SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76
			Lab Sample No.(s)	9026672	9026673	9026674	9026675	9026676	9026677
			AGS Reference						
Dibromofluoromethane**	%	TM116		105	104	111	93.1	103	113
Toluene-d8**	%	TM116		101	102	102	103	99.3	102
4-Bromofluorobenzene**	%	TM116		101	109	96.2	119	98.7	113
Dichlorodifluoromethane	<4 µg/kg	TM116		<8 #	<4 #	<4 #	<4 #	<4 #	<4 #
Chloromethane	<7 µg/kg	TM116		<14	<7	<7	<7	<7	<7
Vinyl Chloride	<10 µg/kg	TM116		<20	<10	<10	<10	<10	<10
Bromomethane	<13 µg/kg	TM116		<26 #	<13 #	<13 #	<13 #	<13 #	<13 #
Chloroethane	<14 µg/kg	TM116		<28 M	<14 M	<14 M	<14 M	<14 M	<14 M
Trichlorofluorormethane	<6 µg/kg	TM116		<12 #	<6 #	<6 #	<6 #	<6 #	<6 #
1,1-Dichloroethene	<10 µg/kg	TM116		<20 M	<10 M	<10 M	<10 M	<10 M	<10 M
Carbon Disulphide	<7 µg/kg	TM116		<14 M	<7 M	<7 M	<7 M	<7 M	<7 M
Dichloromethane	<10 µg/kg	TM116		<20 #	<10 #	<10 #	<10 #	<10 #	<10 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<22	<11	<11	<11	<11	<11
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<22 #	<11 #	<11 #	<11 #	<11 #	<11 #
1,1-Dichloroethane	<8 µg/kg	TM116		<16 M	<8 M	<8 M	<8 M	<8 M	<8 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<10 M	<5 M	<5 M	<5 M	<5 M	<5 M
2,2-Dichloropropane	<12 µg/kg	TM116		<24	<12	<12	<12	<12	<12
Bromochloromethane	<14 µg/kg	TM116		<28 #	<14 #	<14 #	<14 #	<14 #	<14 #
Chloroform	<8 µg/kg	TM116		<16 M	<8 M	<8 M	<8 M	<8 M	<8 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<14 M	<7 M	<7 M	<7 M	<7 M	<7 M
1,1-Dichloropropene	<11 µg/kg	TM116		<22 M	<11 M	<11 M	<11 M	<11 M	<11 M
Carbontetrachloride	<14 µg/kg	TM116		<28 M	<14 M	<14 M	<14 M	<14 M	<14 M
1,2-Dichloroethane	<5 µg/kg	TM116		<10 #	<5 #	<5 #	<5 #	<5 #	<5 #
Benzene	<9 µg/kg	TM116		<18 M	<9 M	<9 M	<9 M	<9 M	<9 M
Trichloroethene	<9 µg/kg	TM116		<18 M	<9 M	<9 M	<9 M	<9 M	<9 M
1,2-Dichloropropane	<12 µg/kg	TM116		<24 M	<12 M	<12 M	<12 M	<12 M	<12 M
Dibromomethane	<9 µg/kg	TM116		<18 #	<9 #	<9 #	<9 #	<9 #	<9 #
Bromodichloromethane	<7 µg/kg	TM116		<14 M	<7 M	<7 M	<7 M	<7 M	<7 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<28	<14	<14	<14	<14	<14
Toluene	<5 µg/kg	TM116		<10 M	<5 M	<5 M	<5 M	<5 M	6.77 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<200	<100	<100	<100	<100	<100
1,1,2-Trichloroethane	<10 µg/kg	TM116		<20 #	<10 #	<10 #	<10 #	<10 #	<10 #

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH185	SMH186	SMH187	SMH188	SMH189	SMH190
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
			SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76
			Lab Sample No.(s)	9026672	9026673	9026674	9026675	9026676	9026677
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<14 #	<7 #	<7 #	<7 #	<7 #	<7 #
Tetrachloroethene	<5 µg/kg	TM116		<10 #	<5 #	<5 #	<5 #	<5 #	<5 #
Dibromochloromethane	<13 µg/kg	TM116		<26 #	<13 #	<13 #	<13 #	<13 #	<13 #
1,2-Dibromoethane	<12 µg/kg	TM116		<24 #	<12 #	<12 #	<12 #	<12 #	<12 #
Chlorobenzene	<5 µg/kg	TM116		<10 M	<5 M	<5 M	<5 M	<5 M	<5 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<20 M	<10 M	<10 M	<10 M	<10 M	<10 M
Ethylbenzene	<4 µg/kg	TM116		<8 #	<4 #	<4 #	<4 #	<4 #	<4 #
p/m-Xylene	<14 µg/kg	TM116		<28 #	<14 #	<14 #	<14 #	<14 #	<14 #
o-Xylene	<10 µg/kg	TM116		<20 #	<10 #	<10 #	<10 #	<10 #	<10 #
Styrene	<10 µg/kg	TM116		<20 #	<10 #	<10 #	<10 #	<10 #	<10 #
Bromoform	<10 µg/kg	TM116		<20 #	<10 #	<10 #	<10 #	<10 #	<10 #
Isopropylbenzene	<5 µg/kg	TM116		<10 #	<5 #	<5 #	<5 #	<5 #	<5 #
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<20 #	<10 #	<10 #	<10 #	<10 #	<10 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<34 #	<17 #	<17 #	<17 #	<17 #	<17 #
Bromobenzene	<10 µg/kg	TM116		<20 M	<10 M	<10 M	<10 M	<10 M	<10 M
Propylbenzene	<11 µg/kg	TM116		<22 #	<11 #	<11 #	<11 #	<11 #	<11 #
2-Chlorotoluene	<9 µg/kg	TM116		<18 #	<9 #	<9 #	<9 #	<9 #	<9 #
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<16 #	<8 #	<8 #	<8 #	<8 #	<8 #
4-Chlorotoluene	<12 µg/kg	TM116		<24 #	<12 #	<12 #	<12 #	<12 #	<12 #
tert-Butylbenzene	<12 µg/kg	TM116		<24 #	<12 #	<12 #	<12 #	<12 #	<12 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<18 #	<9 #	<9 #	<9 #	<9 #	<9 #
sec-Butylbenzene	<10 µg/kg	TM116		<20 #	<10 #	<10 #	<10 #	<10 #	<10 #
4-Isopropyltoluene	<11 µg/kg	TM116		<22 #	<11 #	<11 #	<11 #	<11 #	<11 #
1,3-Dichlorobenzene	<6 µg/kg	TM116		<12 #	<6 #	<6 #	<6 #	<6 #	<6 #
1,4-Dichlorobenzene	<5 µg/kg	TM116		<10 M	<5 M	<5 M	<5 M	<5 M	<5 M
n-Butylbenzene	<10 µg/kg	TM116		<20 #	<10 #	<10 #	<10 #	<10 #	<10 #
1,2-Dichlorobenzene	<12 µg/kg	TM116		<24 M	<12 M	<12 M	<12 M	<12 M	<12 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<28 #	<14 #	<14 #	<14 #	<14 #	<14 #
Tert-amyl methyl ether	<15 µg/kg	TM116		<30	<15	<15	<15	<15	<15
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<12 #	<6 #	<6 #	<6 #	<6 #	<6 #
Hexachlorobutadiene	<12 µg/kg	TM116		<24	<12	<12	<12	<12	<12
Naphthalene	<13 µg/kg	TM116		<26 #	<13 #	<13 #	<13 #	<13 #	<13 #

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH185	SMH186	SMH187	SMH188	SMH189	SMH190
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
			SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76	140322-76
			Lab Sample No.(s)	9026672	9026673	9026674	9026675	9026676	9026677
			AGS Reference						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116		<12 #	<6 #	<6 #	<6 #	<6 #	<6 #

CERTIFICATE OF ANALYSIS

SDG: 140322-76 **Location:** Coed Darcy **Order Number:** CD0638
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294942
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 265955

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH191	SMH192	SMH193	SMH194	SMH195
			Depth (m)	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			Sample Time	.	.	.	.	.
			Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
			SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76
			Lab Sample No.(s)	9026678	9026679	9026681	9026682	9026683
			AGS Reference					
Dibromofluoromethane**	%	TM116		102	99.5	100	102	102
Toluene-d8**	%	TM116		102	101	101	102	102
4-Bromofluorobenzene**	%	TM116		110	112	118	112	105
Dichlorodifluoromethane	<4 µg/kg	TM116		<4 #	<4 #	<4 #	<4 #	<4 #
Chloromethane	<7 µg/kg	TM116		<7	<7	<7	<7	<7
Vinyl Chloride	<10 µg/kg	TM116		<10	<10	<10	<10	<10
Bromomethane	<13 µg/kg	TM116		<13 #	<13 #	<13 #	<13 #	<13 #
Chloroethane	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M
Trichlorofluorormethane	<6 µg/kg	TM116		<6 #	<6 #	<6 #	<6 #	<6 #
1,1-Dichloroethene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M
Carbon Disulphide	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	<7 M
Dichloromethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<11	<11	<11	<11	<11
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<11 #	<11 #	<11 #	<11 #	<11 #
1,1-Dichloroethane	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<8 M	<8 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M
2,2-Dichloropropane	<12 µg/kg	TM116		<12	<12	<12	<12	<12
Bromochloromethane	<14 µg/kg	TM116		<14 #	<14 #	<14 #	<14 #	<14 #
Chloroform	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<8 M	<8 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	<7 M
1,1-Dichloropropene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M	<11 M
Carbontetrachloride	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M
1,2-Dichloroethane	<5 µg/kg	TM116		<5 #	<5 #	<5 #	<5 #	<5 #
Benzene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M	<9 M
Trichloroethene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M	<9 M
1,2-Dichloropropane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M
Dibromomethane	<9 µg/kg	TM116		<9 #	<9 #	<9 #	<9 #	<9 #
Bromodichloromethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	<7 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<14	<14	<14	<14	<14
Toluene	<5 µg/kg	TM116		<5 M	7.22 M	6.48 M	7.44 M	<5 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<100	<100	<100	<100	<100
1,1,2-Trichloroethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH191	SMH192	SMH193	SMH194	SMH195
			Depth (m)	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			Sample Time	.	.	.	.	.
			Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
			SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76
			Lab Sample No.(s)	9026678	9026679	9026681	9026682	9026683
			AGS Reference					
1,3-Dichloropropane	<7 µg/kg	TM116		<7 #	<7 #	<7 #	<7 #	<7 #
Tetrachloroethene	<5 µg/kg	TM116		<5 #	<5 #	<5 #	<5 #	<5 #
Dibromochloromethane	<13 µg/kg	TM116		<13 #	<13 #	<13 #	<13 #	<13 #
1,2-Dibromoethane	<12 µg/kg	TM116		<12 #	<12 #	<12 #	<12 #	<12 #
Chlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M
Ethylbenzene	<4 µg/kg	TM116		<4 #	<4 #	<4 #	<4 #	<4 #
p/m-Xylene	<14 µg/kg	TM116		<14 #	<14 #	<14 #	<14 #	<14 #
o-Xylene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #
Styrene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #
Bromoform	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #
Isopropylbenzene	<5 µg/kg	TM116		<5 #	<5 #	<5 #	<5 #	<5 #
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<17 #	<17 #	<17 #	<17 #	<17 #
Bromobenzene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M
Propylbenzene	<11 µg/kg	TM116		<11 #	<11 #	<11 #	<11 #	<11 #
2-Chlorotoluene	<9 µg/kg	TM116		<9 #	<9 #	<9 #	<9 #	<9 #
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<8 #	<8 #	<8 #	<8 #	<8 #
4-Chlorotoluene	<12 µg/kg	TM116		<12 #	<12 #	<12 #	<12 #	<12 #
tert-Butylbenzene	<12 µg/kg	TM116		<12 #	<12 #	<12 #	<12 #	<12 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<9 #	<9 #	<9 #	<9 #	<9 #
sec-Butylbenzene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #
4-Isopropyltoluene	<11 µg/kg	TM116		<11 #	<11 #	<11 #	<11 #	<11 #
1,3-Dichlorobenzene	<6 µg/kg	TM116		<6 #	<6 #	<6 #	<6 #	<6 #
1,4-Dichlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M
n-Butylbenzene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #
1,2-Dichlorobenzene	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<14 #	<14 #	<14 #	<14 #	<14 #
Tert-amyl methyl ether	<15 µg/kg	TM116		<15	<15	<15	<15	<15
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<6 #	<6 #	<6 #	<6 #	<6 #
Hexachlorobutadiene	<12 µg/kg	TM116		<12	<12	<12	<12	<12
Naphthalene	<13 µg/kg	TM116		<13 #	<13 #	<13 #	<13 #	<13 #

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	SMH191	SMH192	SMH193	SMH194	SMH195
			Depth (m)	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/03/2014	20/03/2014	20/03/2014	20/03/2014	20/03/2014
			Sample Time	.	.	.	.	.
			Date Received	22/03/2014	22/03/2014	22/03/2014	22/03/2014	22/03/2014
			SDG Ref	140322-76	140322-76	140322-76	140322-76	140322-76
			Lab Sample No.(s)	9026678	9026679	9026681	9026682	9026683
			AGS Reference					
1,2,3-Trichlorobenzene	<6 µg/kg	TM116		<6 #	<6 #	<6 #	<6 #	<6 #

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

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 Receieved SDG Original Sample Method Number	SMH137 SOLID 20/03/2014 00:00:00 140322-76 9026620 TM048	28/03/14	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 Receieved SDG Original Sample Method Number	SMH138 SOLID 20/03/2014 00:00:00 140322-76 9026621 TM048	31/03/14	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 Receieved SDG Original Sample Method Number	SMH139 SOLID 20/03/2014 00:00:00 140322-76 9026622 TM048	28/03/14	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 Receieved SDG Original Sample Method Number	SMH140 SOLID 20/03/2014 00:00:00 140322-76 9026623 TM048	28/03/14	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 Receieved SDG Original Sample Method Number	SMH141 SOLID 20/03/2014 00:00:00 140322-76 9026624 TM048	28/03/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG: 140322-76 **Location:** Coed Darcy **Order Number:** CD0638
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294942
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 265955

		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 Receieved SDG Original Sample Method Number	SMH142 SOLID 20/03/2014 00:00:00 140322-76 9026625 TM048	28/03/14	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 Receieved SDG Original Sample Method Number	SMH143 SOLID 20/03/2014 00:00:00 140322-76 9026626 TM048	28/03/14	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 Receieved SDG Original Sample Method Number	SMH144 SOLID 20/03/2014 00:00:00 140322-76 9026627 TM048	28/03/14	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 Receieved SDG Original Sample Method Number	SMH145 SOLID 20/03/2014 00:00:00 140322-76 9026628 TM048	31/03/14	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 Receieved SDG Original Sample Method Number	SMH146 SOLID 20/03/2014 00:00:00 140322-76 9026629 TM048	31/03/14	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 Receieved SDG Original Sample Method Number	SMH147 SOLID 20/03/2014 00:00:00 140322-76 9026630 TM048	28/03/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG: 140322-76 **Location:** Coed Darcy **Order Number:** CD0638
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294942
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 265955

		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 Receieved SDG Original Sample Method Number	SMH148 SOLID 20/03/2014 00:00:00 140322-76 9026631 TM048	31/03/14	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 Receieved SDG Original Sample Method Number	SMH149 SOLID 20/03/2014 00:00:00 140322-76 9026632 TM048	28/03/14	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 Receieved SDG Original Sample Method Number	SMH150 SOLID 20/03/2014 00:00:00 140322-76 9026633 TM048	31/03/14	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 Receieved SDG Original Sample Method Number	SMH151 SOLID 20/03/2014 00:00:00 140322-76 9026634 TM048	31/03/14	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 Receieved SDG Original Sample Method Number	SMH152 SOLID 20/03/2014 00:00:00 140322-76 9026635 TM048	31/03/14	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 Receieved SDG Original Sample Method Number	SMH153 SOLID 20/03/2014 00:00:00 140322-76 9026636 TM048	31/03/14	Paul Poynton	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG: 140322-76 **Location:** Coed Darcy **Order Number:** CD0638
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294942
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 265955

		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 Receieved SDG Original Sample Method Number	SMH154 SOLID 20/03/2014 00:00:00 140322-76 9026637 TM048	31/03/14	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 Receieved SDG Original Sample Method Number	SMH155 SOLID 20/03/2014 00:00:00 140322-76 9026638 TM048	31/03/14	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 Receieved SDG Original Sample Method Number	SMH156 SOLID 20/03/2014 00:00:00 140322-76 9026640 TM048	31/03/14	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 Receieved SDG Original Sample Method Number	SMH157 SOLID 20/03/2014 00:00:00 140322-76 9026641 TM048	31/03/14	Martin Cotterell	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SMH158 SOLID 20/03/2014 00:00:00 140322-76 9026642 TM048	31/03/14	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 Receieved SDG Original Sample Method Number	SMH159 SOLID 20/03/2014 00:00:00 140322-76 9026643 TM048	31/03/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG: 140322-76 **Location:** Coed Darcy **Order Number:** CD0638
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294942
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 265955

		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 Receieved SDG Original Sample Method Number	SMH160 SOLID 20/03/2014 00:00:00 140322-76 9026644 TM048	31/03/14	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 Receieved SDG Original Sample Method Number	SMH161 SOLID 20/03/2014 00:00:00 140322-76 9026645 TM048	31/03/14	Laura Robbins	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SMH162 SOLID 20/03/2014 00:00:00 140322-76 9026646 TM048	31/03/14	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 Receieved SDG Original Sample Method Number	SMH163 SOLID 20/03/2014 00:00:00 140322-76 9026647 TM048	31/03/14	Martin Cotterell	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SMH164 SOLID 20/03/2014 00:00:00 140322-76 9026648 TM048	31/03/14	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 Receieved SDG Original Sample Method Number	SMH165 SOLID 20/03/2014 00:00:00 140322-76 9026649 TM048	31/03/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG: 140322-76 **Location:** Coed Darcy **Order Number:** CD0638
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294942
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 265955

		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 Receieved SDG Original Sample Method Number	SMH166 SOLID 20/03/2014 00:00:00 140322-76 9026651 TM048	31/03/14	Martin Cotterell	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SMH167 SOLID 20/03/2014 00:00:00 140322-76 9026652 TM048	28/03/14	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 Receieved SDG Original Sample Method Number	SMH168 SOLID 20/03/2014 00:00:00 140322-76 9026654 TM048	28/03/14	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 Receieved SDG Original Sample Method Number	SMH169 SOLID 20/03/2014 00:00:00 140322-76 9026655 TM048	31/03/14	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 Receieved SDG Original Sample Method Number	SMH170 SOLID 20/03/2014 00:00:00 140322-76 9026656 TM048	28/03/14	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 Receieved SDG Original Sample Method Number	SMH171 SOLID 20/03/2014 00:00:00 140322-76 9026657 TM048	31/03/14	Paul Poynton	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Detected

CERTIFICATE OF ANALYSIS

SDG: 140322-76 **Location:** Coed Darcy **Order Number:** CD0638
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294942
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 265955

		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 Receieved SDG Original Sample Method Number	SMH172 SOLID 20/03/2014 00:00:00 140322-76 9026658 TM048	28/03/14	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 Receieved SDG Original Sample Method Number	SMH173 SOLID 20/03/2014 00:00:00 140322-76 9026659 TM048	31/03/14	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 Receieved SDG Original Sample Method Number	SMH174 SOLID 20/03/2014 00:00:00 140322-76 9026660 TM048	31/03/14	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 Receieved SDG Original Sample Method Number	SMH175 SOLID 20/03/2014 00:00:00 140322-76 9026661 TM048	28/03/14	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 Receieved SDG Original Sample Method Number	SMH176 SOLID 20/03/2014 00:00:00 140322-76 9026662 TM048	31/03/14	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 Receieved SDG Original Sample Method Number	SMH177 SOLID 20/03/2014 00:00:00 140322-76 9026663 TM048	28/03/14	Kevin Bowron	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG: 140322-76 **Location:** Coed Darcy **Order Number:** CD0638
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294942
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 265955

		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 Receieved SDG Original Sample Method Number	SMH178 SOLID 20/03/2014 00:00:00 140322-76 9026664 TM048	28/03/14	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 Receieved SDG Original Sample Method Number	SMH179 SOLID 20/03/2014 00:00:00 140322-76 9026665 TM048	31/03/14	Laura Robbins	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SMH180 SOLID 20/03/2014 00:00:00 140322-76 9026667 TM048	28/03/14	Chris Swindells	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 Receieved SDG Original Sample Method Number	SMH181 SOLID 20/03/2014 00:00:00 140322-76 9026668 TM048	28/03/14	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 Receieved SDG Original Sample Method Number	SMH182 SOLID 20/03/2014 00:00:00 140322-76 9026669 TM048	28/03/14	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 Receieved SDG Original Sample Method Number	SMH183 SOLID 20/03/2014 00:00:00 140322-76 9026670 TM048	31/03/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG: 140322-76 **Location:** Coed Darcy **Order Number:** CD0638
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294942
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 265955

		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 Receieved SDG Original Sample Method Number	SMH184 SOLID 20/03/2014 00:00:00 140322-76 9026671 TM048	28/03/14	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 Receieved SDG Original Sample Method Number	SMH185 SOLID 20/03/2014 00:00:00 140322-76 9026672 TM048	31/03/14	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 Receieved SDG Original Sample Method Number	SMH186 SOLID 20/03/2014 00:00:00 140322-76 9026673 TM048	31/03/14	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 Receieved SDG Original Sample Method Number	SMH187 SOLID 20/03/2014 00:00:00 140322-76 9026674 TM048	31/03/14	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 Receieved SDG Original Sample Method Number	SMH188 SOLID 20/03/2014 00:00:00 140322-76 9026675 TM048	31/03/14	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 Receieved SDG Original Sample Method Number	SMH189 SOLID 20/03/2014 00:00:00 140322-76 9026676 TM048	31/03/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG: 140322-76 **Location:** Coed Darcy **Order Number:** CD0638
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294942
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 265955

		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 Receieved SDG Original Sample Method Number	SMH190 SOLID 20/03/2014 00:00:00 140322-76 9026677 TM048	31/03/14	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 Receieved SDG Original Sample Method Number	SMH191 SOLID 20/03/2014 00:00:00 140322-76 9026678 TM048	31/03/14	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 Receieved SDG Original Sample Method Number	SMH192 SOLID 20/03/2014 00:00:00 140322-76 9026679 TM048	31/03/14	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 Receieved SDG Original Sample Method Number	SMH193 SOLID 20/03/2014 00:00:00 140322-76 9026681 TM048	31/03/14	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 Receieved SDG Original Sample Method Number	SMH194 SOLID 20/03/2014 00:00:00 140322-76 9026682 TM048	31/03/14	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 Receieved SDG Original Sample Method Number	SMH195 SOLID 20/03/2014 00:00:00 140322-76 9026683 TM048	31/03/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

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 Receieved SDG Original Sample Method Number	SMH180 SOLID 20/03/2014 00:00:00 140322-76 9026667 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

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)		
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS		
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		
TM157	HP 6890 Gas Chromatograph (GC) system and HP 5973 Mass Selective Detector (MSD).	Determination of SVOC in Soils by GC-MS extracted by sonication in DCM/Acetone		
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		

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

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

Test Completion Dates

Lab Sample No(s)	9026620	9026621	9026622	9026623	9026624	9026625	9026626	9026627	9026628	9026629
Customer Sample Ref.	SMH137	SMH138	SMH139	SMH140	SMH141	SMH142	SMH143	SMH144	SMH145	SMH146
AGS Ref.										
Depth										
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	31-Mar-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014
EPH CWG (Aliphatic) GC (S)	28-Mar-2014	28-Mar-2014	28-Mar-2014	28-Mar-2014	28-Mar-2014	28-Mar-2014	27-Mar-2014	01-Apr-2014	27-Mar-2014	27-Mar-2014
EPH CWG (Aromatic) GC (S)	28-Mar-2014	28-Mar-2014	28-Mar-2014	28-Mar-2014	28-Mar-2014	28-Mar-2014	27-Mar-2014	01-Apr-2014	27-Mar-2014	27-Mar-2014
GRO by GC-FID (S)	27-Mar-2014	27-Mar-2014	27-Mar-2014	26-Mar-2014	26-Mar-2014	26-Mar-2014	26-Mar-2014	26-Mar-2014	26-Mar-2014	26-Mar-2014
Metals in solid samples by OES	31-Mar-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014	28-Mar-2014	01-Apr-2014
pH	28-Mar-2014	28-Mar-2014	28-Mar-2014	28-Mar-2014	28-Mar-2014	28-Mar-2014	28-Mar-2014	28-Mar-2014	28-Mar-2014	28-Mar-2014
Sample description	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014
Semi Volatile Organic Compounds	29-Mar-2014	29-Mar-2014	29-Mar-2014	29-Mar-2014	29-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	29-Mar-2014
Total Organic Carbon	28-Mar-2014	28-Mar-2014	01-Apr-2014	01-Apr-2014	01-Apr-2014	01-Apr-2014	01-Apr-2014	01-Apr-2014	01-Apr-2014	28-Mar-2014
TPH CWG GC (S)	28-Mar-2014	28-Mar-2014	28-Mar-2014	28-Mar-2014	28-Mar-2014	28-Mar-2014	27-Mar-2014	01-Apr-2014	27-Mar-2014	27-Mar-2014
VOC MS (S)	28-Mar-2014	28-Mar-2014	28-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014

Lab Sample No(s)	9026630	9026631	9026632	9026633	9026634	9026635	9026636	9026637	9026638	9026640
Customer Sample Ref.	SMH147	SMH148	SMH149	SMH150	SMH151	SMH152	SMH153	SMH154	SMH155	SMH156
AGS Ref.										
Depth										
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	31-Mar-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014
EPH CWG (Aliphatic) GC (S)	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014
EPH CWG (Aromatic) GC (S)	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014
GRO by GC-FID (S)	26-Mar-2014	26-Mar-2014	26-Mar-2014	26-Mar-2014	26-Mar-2014	26-Mar-2014	27-Mar-2014	26-Mar-2014	27-Mar-2014	28-Mar-2014
Metals in solid samples by OES	31-Mar-2014	01-Apr-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014	01-Apr-2014	31-Mar-2014	01-Apr-2014	31-Mar-2014	28-Mar-2014
pH	28-Mar-2014	28-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	28-Mar-2014	28-Mar-2014
Sample description	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014
Semi Volatile Organic Compounds	29-Mar-2014	29-Mar-2014	29-Mar-2014	29-Mar-2014	29-Mar-2014	29-Mar-2014	29-Mar-2014	29-Mar-2014	29-Mar-2014	27-Mar-2014
Total Organic Carbon	28-Mar-2014	28-Mar-2014	28-Mar-2014	28-Mar-2014	28-Mar-2014	28-Mar-2014	28-Mar-2014	28-Mar-2014	01-Apr-2014	28-Mar-2014
TPH CWG GC (S)	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	28-Mar-2014
VOC MS (S)	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	28-Mar-2014	28-Mar-2014	28-Mar-2014	28-Mar-2014	28-Mar-2014

Lab Sample No(s)	9026641	9026642	9026643	9026644	9026645	9026646	9026647	9026648	9026649	9026651
Customer Sample Ref.	SMH157	SMH158	SMH159	SMH160	SMH161	SMH162	SMH163	SMH164	SMH165	SMH166
AGS Ref.										
Depth										
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	31-Mar-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014
EPH CWG (Aliphatic) GC (S)	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	28-Mar-2014	27-Mar-2014	27-Mar-2014
EPH CWG (Aromatic) GC (S)	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	28-Mar-2014	27-Mar-2014	27-Mar-2014
GRO by GC-FID (S)	26-Mar-2014	27-Mar-2014	27-Mar-2014	31-Mar-2014	26-Mar-2014	26-Mar-2014	26-Mar-2014	26-Mar-2014	26-Mar-2014	27-Mar-2014
Metals in solid samples by OES	31-Mar-2014	28-Mar-2014	31-Mar-2014	28-Mar-2014	31-Mar-2014	31-Mar-2014	28-Mar-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014
pH	28-Mar-2014	28-Mar-2014	28-Mar-2014	28-Mar-2014	28-Mar-2014	28-Mar-2014	28-Mar-2014	28-Mar-2014	28-Mar-2014	28-Mar-2014
Sample description	25-Mar-2014	26-Mar-2014	25-Mar-2014	26-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014
Semi Volatile Organic Compounds	29-Mar-2014	29-Mar-2014	27-Mar-2014	29-Mar-2014	27-Mar-2014	29-Mar-2014	29-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014
Total Organic Carbon	01-Apr-2014	01-Apr-2014	01-Apr-2014	01-Apr-2014	28-Mar-2014	01-Apr-2014	28-Mar-2014	01-Apr-2014	01-Apr-2014	01-Apr-2014
TPH CWG GC (S)	27-Mar-2014	27-Mar-2014	27-Mar-2014	31-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	28-Mar-2014	27-Mar-2014	27-Mar-2014
VOC MS (S)	28-Mar-2014	28-Mar-2014	26-Mar-2014	27-Mar-2014	26-Mar-2014	26-Mar-2014	26-Mar-2014	26-Mar-2014	26-Mar-2014	28-Mar-2014

Lab Sample No(s)	9026652	9026654	9026655	9026656	9026657	9026658	9026659	9026660	9026661	9026662
Customer Sample Ref.	SMH167	SMH168	SMH169	SMH170	SMH171	SMH172	SMH173	SMH174	SMH175	SMH176
AGS Ref.										
Depth										
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	31-Mar-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014	01-Apr-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014
EPH CWG (Aliphatic) GC (S)	28-Mar-2014	28-Mar-2014	27-Mar-2014	28-Mar-2014	28-Mar-2014	28-Mar-2014	28-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014
EPH CWG (Aromatic) GC (S)	28-Mar-2014	28-Mar-2014	27-Mar-2014	28-Mar-2014	28-Mar-2014	28-Mar-2014	28-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014
GRO by GC-FID (S)	26-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	26-Mar-2014	27-Mar-2014	27-Mar-2014		26-Mar-2014	27-Mar-2014
Metals in solid samples by OES	31-Mar-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014
pH	28-Mar-2014	28-Mar-2014	28-Mar-2014	28-Mar-2014	28-Mar-2014	28-Mar-2014	28-Mar-2014	28-Mar-2014	28-Mar-2014	28-Mar-2014
Sample description	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014
Semi Volatile Organic Compounds	29-Mar-2014	29-Mar-2014	29-Mar-2014	29-Mar-2014	29-Mar-2014	29-Mar-2014	29-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014
Total Organic Carbon	01-Apr-2014	01-Apr-2014	28-Mar-2014	01-Apr-2014	01-Apr-2014	28-Mar-2014	01-Apr-2014	01-Apr-2014	01-Apr-2014	01-Apr-2014
TPH CWG GC (S)	28-Mar-2014	28-Mar-2014	27-Mar-2014	28-Mar-2014	28-Mar-2014	28-Mar-2014	28-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014
VOC MS (S)	27-Mar-2014	28-Mar-2014	28-Mar-2014	28-Mar-2014	27-Mar-2014	28-Mar-2014	28-Mar-2014		27-Mar-2014	28-Mar-2014

CERTIFICATE OF ANALYSIS

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

Lab Sample No(s)	9026663	9026664	9026665	9026667	9026668	9026669	9026670	9026671	9026672	9026673
Customer Sample Ref.	SMH177	SMH178	SMH179	SMH180	SMH181	SMH182	SMH183	SMH184	SMH185	SMH186
AGS Ref.										
Depth										
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	31-Mar-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014
Asbestos Quantification - Full				08-Apr-2014						
EPH CWG (Aliphatic) GC (S)	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014
EPH CWG (Aromatic) GC (S)	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014
GRO by GC-FID (S)	27-Mar-2014	27-Mar-2014	26-Mar-2014	26-Mar-2014	26-Mar-2014	26-Mar-2014	26-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014
Metals in solid samples by OES	31-Mar-2014	01-Apr-2014	31-Mar-2014	31-Mar-2014	01-Apr-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014	28-Mar-2014
pH	28-Mar-2014	28-Mar-2014	28-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	28-Mar-2014	28-Mar-2014
Sample description	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014	26-Mar-2014
Semi Volatile Organic Compounds	29-Mar-2014	29-Mar-2014	29-Mar-2014	29-Mar-2014	29-Mar-2014	29-Mar-2014	29-Mar-2014	29-Mar-2014	29-Mar-2014	29-Mar-2014
Total Organic Carbon	01-Apr-2014	28-Mar-2014	28-Mar-2014	28-Mar-2014	01-Apr-2014	28-Mar-2014	01-Apr-2014	28-Mar-2014	28-Mar-2014	01-Apr-2014
TPH CWG GC (S)	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014
VOC MS (S)	28-Mar-2014	28-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	28-Mar-2014	28-Mar-2014	28-Mar-2014	01-Apr-2014	28-Mar-2014

Lab Sample No(s)	9026674	9026675	9026676	9026677	9026678	9026679	9026681	9026682	9026683
Customer Sample Ref.	SMH187	SMH188	SMH189	SMH190	SMH191	SMH192	SMH193	SMH194	SMH195
AGS Ref.									
Depth									
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	31-Mar-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014
EPH CWG (Aliphatic) GC (S)	27-Mar-2014	28-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014
EPH CWG (Aromatic) GC (S)	27-Mar-2014	28-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014
GRO by GC-FID (S)	26-Mar-2014	27-Mar-2014	31-Mar-2014	26-Mar-2014	26-Mar-2014	26-Mar-2014	26-Mar-2014	31-Mar-2014	26-Mar-2014
Metals in solid samples by OES	31-Mar-2014	31-Mar-2014	28-Mar-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014	31-Mar-2014	28-Mar-2014	31-Mar-2014
pH	28-Mar-2014	28-Mar-2014	28-Mar-2014	28-Mar-2014	28-Mar-2014	28-Mar-2014	28-Mar-2014	28-Mar-2014	28-Mar-2014
Sample description	25-Mar-2014	25-Mar-2014	26-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014	25-Mar-2014	26-Mar-2014	25-Mar-2014
Semi Volatile Organic Compounds	27-Mar-2014	27-Mar-2014	29-Mar-2014	27-Mar-2014	27-Mar-2014	29-Mar-2014	27-Mar-2014	29-Mar-2014	29-Mar-2014
Total Organic Carbon	01-Apr-2014	01-Apr-2014	01-Apr-2014	28-Mar-2014	28-Mar-2014	01-Apr-2014	28-Mar-2014	01-Apr-2014	01-Apr-2014
TPH CWG GC (S)	27-Mar-2014	28-Mar-2014	31-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	27-Mar-2014	31-Mar-2014	27-Mar-2014
VOC MS (S)	28-Mar-2014	28-Mar-2014	28-Mar-2014	26-Mar-2014	26-Mar-2014	26-Mar-2014	26-Mar-2014	27-Mar-2014	26-Mar-2014

SDG:	140322-76	**Location:**	Coed Darcy	**Order Number:**	CD0638
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294942
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	265955

Appendix

General

1. Results are expressed on a dry weight basis (dried at 35ºC) 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 Dimethyphenol, 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 presevation 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.

ALcontrol Laboratories

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

Attention: Jack Lowrie

CERTIFICATE OF ANALYSIS

Date:	08 December 2014
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	140418-10
Your Reference:	Phase 2
Location:	Coed Darcy
Report No:	294750

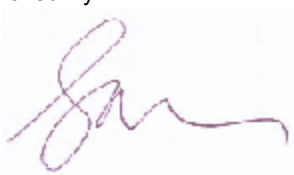
This report has been revised and directly supersedes 269173 in its entirety.

We received 6 samples on Friday April 18, 2014 and 6 of these samples were scheduled for analysis which was completed on Wednesday May 07, 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

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Registered Office: Units 7 & 8 Hawarden Business Park, Manor Road, Hawarden, Deeside, CH5 3US. Registered in England and Wales No. 4057291.

CERTIFICATE OF ANALYSIS

SDG:	140418-10	**Location:**	Coed Darcy	**Order Number:**	CD0654
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294750
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	269173

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
9165179	P1TP64		0.60 - 0.00	16/04/2014
9165184	P1TP65		0.90 - 0.00	16/04/2014
9165188	P1TP66		1.00 - 0.00	16/04/2014
9165192	P1TP67		0.80 - 0.00	16/04/2014
9165196	P1TP68		0.40 - 0.00	16/04/2014
9165201	P1TP69		0.70 - 0.00	16/04/2014

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

CERTIFICATE OF ANALYSIS

SDG:	140418-10	**Location:**	Coed Darcy	**Order Number:**	CD0654
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294750
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	269173

SOLID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)			9165179	9165184	9165188	9165192	9165196	9165201
Customer Sample Reference			P1TP64	P1TP65	P1TP66	P1TP67	P1TP68	P1TP69
AGS Reference								
Depth (m)			0.60 - 0.00	0.90 - 0.00	1.00 - 0.00	0.80 - 0.00	0.40 - 0.00	0.70 - 0.00
Container			250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 6		X			X			X			X			X			X	
Asbestos Quantification - Full	All	NDPs: 0 Tests: 5		X						X			X			X			X	
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 6	X			X			X			X			X			X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 6	X			X			X			X			X			X		
GRO by GC-FID (S)	All	NDPs: 0 Tests: 6			X			X			X			X			X			X
Metals in solid samples by OES	All	NDPs: 0 Tests: 6	X			X			X			X			X			X		
pH	All	NDPs: 0 Tests: 6		X			X			X			X			X			X	
Sample description	All	NDPs: 0 Tests: 6	X			X			X			X			X			X		
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 6	X			X			X			X			X			X		
Total Organic Carbon	All	NDPs: 0 Tests: 6	X			X			X			X			X			X		
TPH CWG GC (S)	All	NDPs: 0 Tests: 6	X			X			X			X			X			X		
VOC MS (S)	All	NDPs: 0 Tests: 6			X			X			X			X			X			X

CERTIFICATE OF ANALYSIS

SDG:	140418-10	**Location:**	Coed Darcy	**Order Number:**	CD0654
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294750
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	269173

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
9165179	P1TP64	0.60 - 0.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	N/A
9165184	P1TP65	0.90 - 0.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9165188	P1TP66	1.00 - 0.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9165192	P1TP67	0.80 - 0.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9165196	P1TP68	0.40 - 0.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Brick
9165201	P1TP69	0.70 - 0.00	Dark Brown	Sandy Loam	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 ocurring 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.

CERTIFICATE OF ANALYSIS

SDG:	140418-10	**Location:**	Coed Darcy	**Order Number:**	CD0654
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294750
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	269173

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP64	P1TP65	P1TP66	P1TP67	P1TP68	P1TP69
			Depth (m)	0.60 - 0.00	0.90 - 0.00	1.00 - 0.00	0.80 - 0.00	0.40 - 0.00	0.70 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/04/2014	16/04/2014	16/04/2014	16/04/2014	16/04/2014	16/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/04/2014	18/04/2014	18/04/2014	18/04/2014	18/04/2014	18/04/2014
			SDG Ref	140418-10	140418-10	140418-10	140418-10	140418-10	140418-10
			Lab Sample No.(s)	9165179	9165184	9165188	9165192	9165196	9165201
			AGS Reference						
Moisture Content Ratio	%	PM024		3.9	7.5	6.3	5.6	5.4	5.4
Soil Organic Matter (SOM)	<0.35 %	TM132		4.14 #	3.76 #	4.41 #	3.64 #	4.47 #	3.57 #
pH	1 pH Units	TM133		8 M	8.4 M	8.03 M	7.93 M	8.03 M	7.99 M
Arsenic	<0.6 mg/kg	TM181		22.4 M	21.6 M	24 M	24.4 M	20 M	28.4 M
Cadmium	<0.02 mg/kg	TM181		0.511 M	0.494 M	0.55 M	0.661 M	0.492 M	0.646 M
Chromium	<0.9 mg/kg	TM181		16.3 M	15.4 M	18.5 M	17.1 M	14.2 M	16.5 M
Copper	<1.4 mg/kg	TM181		75.3 M	52.5 M	71.7 M	54.6 M	80.3 M	76.1 M
Lead	<0.7 mg/kg	TM181		68.5 M	76.8 M	118 M	83.3 M	71.4 M	91.3 M
Mercury	<0.14 mg/kg	TM181		0.256 M	0.892 M	0.457 M	0.685 M	0.635 M	0.957 M
Nickel	<0.2 mg/kg	TM181		32.1 M	24.9 M	30.3 M	28.7 M	25.5 M	28.1 M
Selenium	<1 mg/kg	TM181		1.26 #	<1 #	1.01 #	1.17 #	1.42 #	1.18 #
Vanadium	<0.2 mg/kg	TM181		21.2 #	19.5 #	23.2 #	21.1 #	21.4 #	22.2 #
Zinc	<1.9 mg/kg	TM181		174 M	173 M	197 M	192 M	162 M	230 M

CERTIFICATE OF ANALYSIS

SDG:	140418-10	**Location:**	Coed Darcy	**Order Number:**	CD0654
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294750
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	269173

Semi Volatile Organic Compounds

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP64	P1TP65	P1TP66	P1TP67	P1TP68	P1TP69
			Depth (m)	0.60 - 0.00	0.90 - 0.00	1.00 - 0.00	0.80 - 0.00	0.40 - 0.00	0.70 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/04/2014	16/04/2014	16/04/2014	16/04/2014	16/04/2014	16/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/04/2014	18/04/2014	18/04/2014	18/04/2014	18/04/2014	18/04/2014
			SDG Ref	140418-10	140418-10	140418-10	140418-10	140418-10	140418-10
			Lab Sample No.(s)	9165179	9165184	9165188	9165192	9165196	9165201
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140418-10	**Location:**	Coed Darcy	**Order Number:**	CD0654
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294750
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	269173

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP64	P1TP65	P1TP66	P1TP67	P1TP68	P1TP69
			Depth (m)	0.60 - 0.00	0.90 - 0.00	1.00 - 0.00	0.80 - 0.00	0.40 - 0.00	0.70 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/04/2014	16/04/2014	16/04/2014	16/04/2014	16/04/2014	16/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/04/2014	18/04/2014	18/04/2014	18/04/2014	18/04/2014	18/04/2014
			SDG Ref	140418-10	140418-10	140418-10	140418-10	140418-10	140418-10
			Lab Sample No.(s)	9165179	9165184	9165188	9165192	9165196	9165201
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		163	110	<100	<100	167	179
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		<100	<100	256	<100	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		283	483	651	404	378	520
Benzo(b)fluoranthene	<100 µg/kg	TM157		265	441	462	409	389	476
Benzo(k)fluoranthene	<100 µg/kg	TM157		220	314	426	294	281	373
Benzo(a)pyrene	<100 µg/kg	TM157		278	407	539	392	359	487
Benzo(g,h,i)perylene	<100 µg/kg	TM157		172	239	273	226	214	284
Chrysene	<100 µg/kg	TM157		445	1050	762	432	479	708
Fluoranthene	<100 µg/kg	TM157		360	569	1180	582	468	681
Fluorene	<100 µg/kg	TM157		<100	<100	120	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		183	266	318	256	237	324
Phenanthrene	<100 µg/kg	TM157		337	472	1000	376	388	506
Pyrene	<100 µg/kg	TM157		382	517	921	470	476	651
Naphthalene	<100 µg/kg	TM157		106	<100	<100	<100	139	136
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	111	<100	<100	<100	109

CERTIFICATE OF ANALYSIS

SDG:	140418-10	**Location:**	Coed Darcy	**Order Number:**	CD0654
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294750
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	269173

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP64	P1TP65	P1TP66	P1TP67	P1TP68	P1TP69
			Depth (m)	0.60 - 0.00	0.90 - 0.00	1.00 - 0.00	0.80 - 0.00	0.40 - 0.00	0.70 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/04/2014	16/04/2014	16/04/2014	16/04/2014	16/04/2014	16/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/04/2014	18/04/2014	18/04/2014	18/04/2014	18/04/2014	18/04/2014
			SDG Ref	140418-10	140418-10	140418-10	140418-10	140418-10	140418-10
			Lab Sample No.(s)	9165179	9165184	9165188	9165192	9165196	9165201
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		29	76	73	89	74	69
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		1090 M	1720 M	3290 M	666 M	2730 M	1070 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		19.8 M	13 M	5.34 M	3.18 M	4.23 M	6.34 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 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		<10	13	17.1	<10	12.7	12.7
Aliphatics >C6-C8	<10 µg/kg	TM089		45.8	74.6	130	20.1	85.6	50.7
Aliphatics >C8-C10	<10 µg/kg	TM089		217	330	764	90	532	155
Aliphatics >C10-C12	<10 µg/kg	TM089		389	640	1120	290	1040	445
Aliphatics >C12-C16	<100 µg/kg	TM173		32500	28000	36400	26400	50300	32800
Aliphatics >C16-C21	<100 µg/kg	TM173		31100	40200	45500	51000	60000	49300
Aliphatics >C21-C35	<100 µg/kg	TM173		82300	87900	101000	745000	98000	115000
Aliphatics >C35-C44	<100 µg/kg	TM173		29200	34900	43500	325000	41700	45400
Total Aliphatics >C12-C44	<100 µg/kg	TM173		175000	191000	227000	1150000	250000	242000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		19.8	13	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		148	223	511	61.4	356	106
Aromatics >EC10-EC12	<10 µg/kg	TM089		259	427	744	194	696	296
Aromatics >EC12-EC16	<100 µg/kg	TM173		7590	6130	8350	8190	14500	7680
Aromatics >EC16-EC21	<100 µg/kg	TM173		18400	25000	25900	42100	39000	31200
Aromatics >EC21-EC35	<100 µg/kg	TM173		79900	88000	98200	180000	109000	122000
Aromatics >EC35-EC44	<100 µg/kg	TM173		41100	46100	58800	89100	57300	63500
Aromatics >EC40-EC44	<100 µg/kg	TM173		16300	19900	25700	34800	24500	28300
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		147000	165000	191000	319000	220000	225000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		323000	358000	421000	1470000	473000	468000

CERTIFICATE OF ANALYSIS

SDG:	140418-10	**Location:**	Coed Darcy	**Order Number:**	CD0654
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294750
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	269173

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP64	P1TP65	P1TP66	P1TP67	P1TP68	P1TP69
			Depth (m)	0.60 - 0.00	0.90 - 0.00	1.00 - 0.00	0.80 - 0.00	0.40 - 0.00	0.70 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/04/2014	16/04/2014	16/04/2014	16/04/2014	16/04/2014	16/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/04/2014	18/04/2014	18/04/2014	18/04/2014	18/04/2014	18/04/2014
			SDG Ref	140418-10	140418-10	140418-10	140418-10	140418-10	140418-10
			Lab Sample No.(s)	9165179	9165184	9165188	9165192	9165196	9165201
			AGS Reference						
Dibromofluoromethane**	%	TM116		112	112	113	117	113	115
Toluene-d8**	%	TM116		101	103	102	104	103	101
4-Bromofluorobenzene**	%	TM116		101	101	103	101	106	103
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 #	<80 #	<80 #	<80 #	<80 #	<80 #
Chloromethane	<7 µg/kg	TM116		<140	<140	<140	<140	<140	<140
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<200	<200	<200	<200
Bromomethane	<13 µg/kg	TM116		<260 #	<260 #	<260 #	<260 #	<260 #	<260 #
Chloroethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 #	<120 #	<120 #	<120 #	<120 #	<120 #
1,1-Dichloroethene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220	<220	<220	<220	<220	<220
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 #	<220 #	<220 #	<220 #	<220 #	<220 #
1,1-Dichloroethane	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M	<160 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
2,2-Dichloropropane	<12 µg/kg	TM116		<240	<240	<240	<240	<240	<240
Bromochloromethane	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<280 #	<280 #	<280 #
Chloroform	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M	<160 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
1,1-Dichloropropene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
1,2-Dichloroethane	<5 µg/kg	TM116		<100 #	<100 #	<100 #	<100 #	<100 #	<100 #
Benzene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
1,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Dibromomethane	<9 µg/kg	TM116		<180 #	<180 #	<180 #	<180 #	<180 #	<180 #
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280	<280	<280	<280	<280	<280
Toluene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<2000	<2000	<2000	<2000	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #

CERTIFICATE OF ANALYSIS

SDG:	140418-10	**Location:**	Coed Darcy	**Order Number:**	CD0654
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294750
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	269173

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P1TP64	P1TP65	P1TP66	P1TP67	P1TP68	P1TP69
			Depth (m)	0.60 - 0.00	0.90 - 0.00	1.00 - 0.00	0.80 - 0.00	0.40 - 0.00	0.70 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/04/2014	16/04/2014	16/04/2014	16/04/2014	16/04/2014	16/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/04/2014	18/04/2014	18/04/2014	18/04/2014	18/04/2014	18/04/2014
			SDG Ref	140418-10	140418-10	140418-10	140418-10	140418-10	140418-10
			Lab Sample No.(s)	9165179	9165184	9165188	9165192	9165196	9165201
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<140 #	<140 #	<140 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<100 #	<100 #	<100 #	<100 #	<100 #	<100 #
Dibromochloromethane	<13 µg/kg	TM116		<260 #	<260 #	<260 #	<260 #	<260 #	<260 #
1,2-Dibromoethane	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<240 #	<240 #	<240 #
Chlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Ethylbenzene	<4 µg/kg	TM116		<80 #	<80 #	<80 #	<80 #	<80 #	<80 #
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<280 #	<280 #	<280 #
o-Xylene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Styrene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Bromoform	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Isopropylbenzene	<5 µg/kg	TM116		<100 #	<100 #	<100 #	<100 #	<100 #	<100 #
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 #	<340 #	<340 #	<340 #	<340 #	<340 #
Bromobenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Propylbenzene	<11 µg/kg	TM116		<220 #	<220 #	<220 #	<220 #	<220 #	<220 #
2-Chlorotoluene	<9 µg/kg	TM116		<180 #	<180 #	<180 #	<180 #	<180 #	<180 #
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<160 #	<160 #	<160 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<240 #	<240 #	<240 #
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<240 #	<240 #	<240 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<180 #	<180 #	<180 #	<180 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
4-Isopropyltoluene	<11 µg/kg	TM116		<220 #	<220 #	<220 #	<220 #	<220 #	<220 #
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<120 #	<120 #	<120 #	<120 #
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
n-Butylbenzene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<280 #	<280 #	<280 #
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<300	<300	<300	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<120 #	<120 #	<120 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<240	<240	<240	<240
Naphthalene	<13 µg/kg	TM116		<260 #	<260 #	<260 #	<260 #	<260 #	<260 #

CERTIFICATE OF ANALYSIS

SDG:	140418-10	**Location:**	Coed Darcy	**Order Number:**	CD0654
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294750
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	269173

VOC MS (S)

Results Legend		
#	ISO17025 accredited.	
M	*m*CERTS 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	Customer Sample Ref.	P1TP64	P1TP65	P1TP66	P1TP67	P1TP68	P1TP69
			Depth (m)	0.60 - 0.00	0.90 - 0.00	1.00 - 0.00	0.80 - 0.00	0.40 - 0.00	0.70 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/04/2014	16/04/2014	16/04/2014	16/04/2014	16/04/2014	16/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	18/04/2014	18/04/2014	18/04/2014	18/04/2014	18/04/2014	18/04/2014
			SDG Ref	140418-10	140418-10	140418-10	140418-10	140418-10	140418-10
			Lab Sample No.(s)	9165179	9165184	9165188	9165192	9165196	9165201
			AGS Reference						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<120 #	<120 #	<120 #	<120 #

CERTIFICATE OF ANALYSIS

SDG:	140418-10	**Location:**	Coed Darcy	**Order Number:**	CD0654
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294750
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	269173

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 Receieved SDG Original Sample Method Number	P1TP64 0.60 - 0.00 SOLID 16/04/2014 00:00:00 140418-10 9165179 TM048	29/04/14	Martin Cotterell	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 Receieved SDG Original Sample Method Number	P1TP65 0.90 - 0.00 SOLID 16/04/2014 00:00:00 140418-10 9165184 TM048	29/04/14	Martin Cotterell	Loose fibres in soil	Trace (#)	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP66 1.00 - 0.00 SOLID 16/04/2014 00:00:00 140418-10 9165188 TM048	29/04/14	Martin Cotterell	Soil containing loose fibres and debris typical of asbestos bitumen	Detected (#)	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP67 0.80 - 0.00 SOLID 16/04/2014 00:00:00 140418-10 9165192 TM048	29/04/14	Martin Cotterell	Loose fibres in soil	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP68 0.40 - 0.00 SOLID 16/04/2014 00:00:00 140418-10 9165196 TM048	29/04/14	Martin Cotterell	Loose fibres in soil	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG: 140418-10 **Location:** Coed Darcy **Order Number:** CD0654
Job: H_ATKINS_LDC-173 **Customer:** Atkins Global Ltd **Report Number:** 294750
Client Reference: Phase 2 **Attention:** Jack Lowrie **Superseded Report:** 269173

		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 Receieved SDG Original Sample Method Number	P1TP69 0.70 - 0.00 SOLID 16/04/2014 00:00:00 140418-10 9165201 TM048	29/04/14	Martin Cotterell	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140418-10	**Location:**	Coed Darcy	**Order Number:**	CD0654
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294750
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	269173

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 Receieved SDG Original Sample Method Number	P1TP64 0.60 - 0.00 SOLID 16/04/2014 00:00:00 140418-10 9165179 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP66 1.00 - 0.00 SOLID 16/04/2014 00:00:00 140418-10 9165188 TM 304	None (#)	N/C	0.0025 (#)	<0.001 (#)	0.0029 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP67 0.80 - 0.00 SOLID 16/04/2014 00:00:00 140418-10 9165192 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP68 0.40 - 0.00 SOLID 16/04/2014 00:00:00 140418-10 9165196 TM 304	Crocidolite (#)	Loose fibres	0.0046 (#)	<0.001 (#)	0.0046 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P1TP69 0.70 - 0.00 SOLID 16/04/2014 00:00:00 140418-10 9165201 TM 304	Amosite (#)	Loose fibres	0.0014 (#)	<0.001 (#)	0.0016 (#)

CERTIFICATE OF ANALYSIS

SDG:	140418-10	**Location:**	Coed Darcy	**Order Number:**	CD0654
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294750
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	269173

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)		
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS		
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		
TM157	HP 6890 Gas Chromatograph (GC) system and HP 5973 Mass Selective Detector (MSD).	Determination of SVOC in Soils by GC-MS extracted by sonication in DCM/Acetone		
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		

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

CERTIFICATE OF ANALYSIS

SDG:	140418-10	**Location:**	Coed Darcy	**Order Number:**	CD0654
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294750
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	269173

Test Completion Dates

Lab Sample No(s)	9165179	9165184	9165188	9165192	9165196	9165201
Customer Sample Ref.	P1TP64	P1TP65	P1TP66	P1TP67	P1TP68	P1TP69
AGS Ref.						
Depth	0.60 - 0.00	0.90 - 0.00	1.00 - 0.00	0.80 - 0.00	0.40 - 0.00	0.70 - 0.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	29-Apr-2014	29-Apr-2014	29-Apr-2014	29-Apr-2014	29-Apr-2014	29-Apr-2014
Asbestos Quantification - Full	07-May-2014		07-May-2014	07-May-2014	07-May-2014	07-May-2014
EPH CWG (Aliphatic) GC (S)	25-Apr-2014	24-Apr-2014	25-Apr-2014	25-Apr-2014	24-Apr-2014	24-Apr-2014
EPH CWG (Aromatic) GC (S)	25-Apr-2014	24-Apr-2014	25-Apr-2014	25-Apr-2014	24-Apr-2014	24-Apr-2014
GRO by GC-FID (S)	27-Apr-2014	27-Apr-2014	26-Apr-2014	27-Apr-2014	27-Apr-2014	27-Apr-2014
Metals in solid samples by OES	30-Apr-2014	30-Apr-2014	30-Apr-2014	30-Apr-2014	30-Apr-2014	30-Apr-2014
pH	25-Apr-2014	25-Apr-2014	25-Apr-2014	25-Apr-2014	25-Apr-2014	25-Apr-2014
Sample description	23-Apr-2014	22-Apr-2014	23-Apr-2014	23-Apr-2014	22-Apr-2014	22-Apr-2014
Semi Volatile Organic Compounds	29-Apr-2014	29-Apr-2014	29-Apr-2014	29-Apr-2014	29-Apr-2014	29-Apr-2014
Total Organic Carbon	29-Apr-2014	29-Apr-2014	29-Apr-2014	29-Apr-2014	29-Apr-2014	29-Apr-2014
TPH CWG GC (S)	27-Apr-2014	27-Apr-2014	26-Apr-2014	27-Apr-2014	27-Apr-2014	27-Apr-2014
VOC MS (S)	29-Apr-2014	29-Apr-2014	29-Apr-2014	29-Apr-2014	29-Apr-2014	29-Apr-2014

SDG:	140418-10	**Location:**	Coed Darcy	**Order Number:**	CD0654
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	294750
Client Reference:	Phase 2	**Attention:**	Jack Lowrie	**Superseded Report:**	269173

Appendix

General

1. Results are expressed on a dry weight basis (dried at 35ºC) 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 Dimethyphenol, 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 presevation 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.

ALcontrol Laboratories

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

Attention: Jack Lowrie

CERTIFICATE OF ANALYSIS

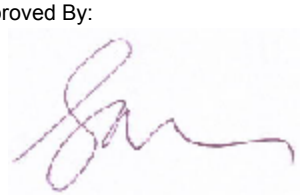
Date:	23 May 2014
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	140515-22
Your Reference:	Phase 2 validation
Location:	Coed Darcy
Report No:	270998

We received 70 samples on Thursday May 15, 2014 and 70 of these samples were scheduled for analysis which was completed on Friday May 23, 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

Alcontrol Laboratories is a trading division of ALcontrol UK Limited
Registered Office: Units 7 & 8 Hawarden Business Park, Manor Road, Hawarden, Deeside, CH5 3US. Registered in England and Wales No.

CERTIFICATE OF ANALYSIS

SDG:	140515-22	**Location:**	Coed Darcy	**Order Number:**	CD0673
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	270998
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
9284912	POS - 121		0.00 - 0.00	13/05/2014
9284941	POS - 122		0.00 - 0.00	13/05/2014
9284964	POS - 123		0.00 - 0.00	13/05/2014
9284990	POS - 124		0.00 - 0.00	13/05/2014
9285015	POS - 125		0.00 - 0.00	13/05/2014
9285040	POS - 126		0.00 - 0.00	13/05/2014
9285062	POS - 127		0.00 - 0.00	13/05/2014
9285066	POS - 128		0.00 - 0.00	13/05/2014
9285068	POS - 129		0.00 - 0.00	13/05/2014
9284915	POS - 130		0.00 - 0.00	13/05/2014
9284917	POS - 131		0.00 - 0.00	13/05/2014
9284920	POS - 132		0.00 - 0.00	13/05/2014
9284922	POS - 133		0.00 - 0.00	13/05/2014
9284924	POS - 134		0.00 - 0.00	13/05/2014
9284928	POS - 135		0.00 - 0.00	13/05/2014
9284931	POS - 136		0.00 - 0.00	13/05/2014
9284933	POS - 137		0.00 - 0.00	13/05/2014
9284935	POS - 138		0.00 - 0.00	13/05/2014
9284938	POS - 139		0.00 - 0.00	13/05/2014
9284943	POS - 140		0.00 - 0.00	13/05/2014
9284946	POS - 141		0.00 - 0.00	13/05/2014
9284948	POS - 142		0.00 - 0.00	13/05/2014
9284950	POS - 143		0.00 - 0.00	13/05/2014
9284952	POS - 144		0.00 - 0.00	13/05/2014
9284954	POS - 145		0.00 - 0.00	13/05/2014
9284956	POS - 146		0.00 - 0.00	13/05/2014
9284958	POS - 147		0.00 - 0.00	13/05/2014
9284960	POS - 148		0.00 - 0.00	13/05/2014
9284962	POS - 149		0.00 - 0.00	13/05/2014
9284966	POS - 150		0.00 - 0.00	13/05/2014
9284968	POS - 151		0.00 - 0.00	13/05/2014
9284970	POS - 152		0.00 - 0.00	13/05/2014
9284972	POS - 153		0.00 - 0.00	13/05/2014
9284975	POS - 154		0.00 - 0.00	13/05/2014
9284979	POS - 155		0.00 - 0.00	13/05/2014
9284981	POS - 156		0.00 - 0.00	13/05/2014
9284983	POS - 157		0.00 - 0.00	13/05/2014
9284985	POS - 158		0.00 - 0.00	13/05/2014
9284987	POS - 159		0.00 - 0.00	13/05/2014
9284992	POS - 160		0.00 - 0.00	13/05/2014
9284995	POS - 161		0.00 - 0.00	13/05/2014
9284997	POS - 162		0.00 - 0.00	13/05/2014
9284999	POS - 163		0.00 - 0.00	13/05/2014
9285001	POS - 164		0.00 - 0.00	13/05/2014
9285004	POS - 165		0.00 - 0.00	13/05/2014
9285006	POS - 166		0.00 - 0.00	13/05/2014
9285008	POS - 167		0.00 - 0.00	13/05/2014
9285010	POS - 168		0.00 - 0.00	13/05/2014
9285012	POS - 169		0.00 - 0.00	13/05/2014
9285017	POS - 170		0.00 - 0.00	13/05/2014
9285019	POS - 171		0.00 - 0.00	13/05/2014
9285021	POS - 172		0.00 - 0.00	13/05/2014
9285024	POS - 173		0.00 - 0.00	13/05/2014
9285026	POS - 174		0.00 - 0.00	13/05/2014
9285028	POS - 175		0.00 - 0.00	13/05/2014
9285030	POS - 176		0.00 - 0.00	13/05/2014

CERTIFICATE OF ANALYSIS

SDG:	140515-22	**Location:**	Coed Darcy	**Order Number:**	CD0673
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	270998
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	

9285032	POS - 177	0.00 - 0.00	13/05/2014
9285035	POS - 178	0.00 - 0.00	13/05/2014
9285037	POS - 179	0.00 - 0.00	13/05/2014
9285042	POS - 180	0.00 - 0.00	13/05/2014
9285044	POS - 181	0.00 - 0.00	13/05/2014
9285046	POS - 182	0.00 - 0.00	13/05/2014
9285048	POS - 183	0.00 - 0.00	13/05/2014
9285050	POS - 184	0.00 - 0.00	13/05/2014
9285052	POS - 185	0.00 - 0.00	13/05/2014
9285054	POS - 186	0.00 - 0.00	13/05/2014
9285056	POS - 187	0.00 - 0.00	13/05/2014
9285058	POS - 188	0.00 - 0.00	13/05/2014
9285060	POS - 189	0.00 - 0.00	13/05/2014
9285064	POS - 190	0.00 - 0.00	13/05/2014

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

CERTIFICATE OF ANALYSIS

SDG:	140515-22	**Location:**	Coed Darcy	**Order Number:**	CD0673
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	270998
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	

SOLID

Results Legend

X **Test**

N **No Determination Possible**

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
			284912	POS - 121		0.00 - 0.00	250g Amber Jar (AL
			284941	POS - 122		0.00 - 0.00	250g Amber Jar (AL
			284964	POS - 123		0.00 - 0.00	250g Amber Jar (AL
			284990	POS - 124		0.00 - 0.00	250g Amber Jar (AL
			285015	POS - 125		0.00 - 0.00	250g Amber Jar (AL
			285040	POS - 126		0.00 - 0.00	250g Amber Jar (AL
			285062	POS - 127		0.00 - 0.00	250g Amber Jar (AL
			285066	POS - 128		0.00 - 0.00	250g Amber Jar (AL
			285068	POS - 129		0.00 - 0.00	250g Amber Jar (AL
			284915	POS - 130		0.00 - 0.00	250g Amber Jar (AL
			284917	POS - 131		0.00 - 0.00	250g Amber Jar (AL
			284920	POS - 132		0.00 - 0.00	250g Amber Jar (AL
			284922	POS - 133		0.00 - 0.00	250g Amber Jar (AL
			284924	POS - 134		0.00 - 0.00	250g Amber Jar (AL
			284928	POS - 135		0.00 - 0.00	250g Amber Jar (AL
			284931	POS - 136		0.00 - 0.00	250g Amber Jar (AL
			284933	POS - 137		0.00 - 0.00	250g Amber Jar (AL
			284935	POS - 138		0.00 - 0.00	250g Amber Jar (AL
			284938	POS - 139		0.00 - 0.00	250g Amber Jar (AL
			284943	POS - 140		0.00 - 0.00	250g Amber Jar (AL
			284946	POS - 141		0.00 - 0.00	250g Amber Jar (AL
			284948	POS - 142		0.00 - 0.00	250g Amber Jar (AL
			284950	POS - 143		0.00 - 0.00	250g Amber Jar (AL
			284952	POS - 144		0.00 - 0.00	250g Amber Jar (AL
			284954	POS - 145		0.00 - 0.00	250g Amber Jar (AL
			284956	POS - 146		0.00 - 0.00	250g Amber Jar (AL
			284958	POS - 147		0.00 - 0.00	250g Amber Jar (AL
			284960	POS - 148		0.00 - 0.00	250g Amber Jar (AL
			284962	POS - 149		0.00 - 0.00	250g Amber Jar (AL
			284966	POS - 150		0.00 - 0.00	250g Amber Jar (AL
			284968	POS - 151		0.00 - 0.00	250g Amber Jar (AL
			284970	POS - 152		0.00 - 0.00	250g Amber Jar (AL
			284972	POS - 153		0.00 - 0.00	250g Amber Jar (AL
			284975	POS - 154		0.00 - 0.00	250g Amber Jar (AL
			284979	POS - 155		0.00 - 0.00	250g Amber Jar (AL
			284981	POS - 156		0.00 - 0.00	250g Amber Jar (AL
			284983	POS - 157		0.00 - 0.00	250g Amber Jar (AL
			284985	POS - 158		0.00 - 0.00	250g Amber Jar (AL
			284987	POS - 159		0.00 - 0.00	250g Amber Jar (AL
			284992	POS - 160		0.00 - 0.00	250g Amber Jar (AL
PAH by GCMS	All	NDPs: 0 Tests: 70	X	X		X	X
Sample description	All	NDPs: 0 Tests: 70	X	X		X	X

SDG:	140515-22	**Location:**	Coed Darcy	**Order Number:**	CD0673
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	270998
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	

SOLID

Results Legend

- X — Test
- N — No Determination Possible

Test	Samples	Summary
PAH by GCMS	All	NDPs: 0 Tests: 70
Sample description	All	NDPs: 0 Tests: 70

Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container	PAH by GCMS	Sample description
9284995	POS - 161		0.00 - 0.00	250g Amber Jar (AL	X	X
9284997	POS - 162		0.00 - 0.00	250g Amber Jar (AL	X	X
9284999	POS - 163		0.00 - 0.00	250g Amber Jar (AL	X	X
9285001	POS - 164		0.00 - 0.00	250g Amber Jar (AL	X	X
9285004	POS - 165		0.00 - 0.00	250g Amber Jar (AL	X	X
9285006	POS - 166		0.00 - 0.00	250g Amber Jar (AL	X	X
9285008	POS - 167		0.00 - 0.00	250g Amber Jar (AL	X	X
9285010	POS - 168		0.00 - 0.00	250g Amber Jar (AL	X	X
9285012	POS - 169		0.00 - 0.00	250g Amber Jar (AL	X	X
9285017	POS - 170		0.00 - 0.00	250g Amber Jar (AL	X	X
9285019	POS - 171		0.00 - 0.00	250g Amber Jar (AL	X	X
9285021	POS - 172		0.00 - 0.00	250g Amber Jar (AL	X	X
9285024	POS - 173		0.00 - 0.00	250g Amber Jar (AL	X	X
9285026	POS - 174		0.00 - 0.00	250g Amber Jar (AL	X	X
9285028	POS - 175		0.00 - 0.00	250g Amber Jar (AL	X	X
9285030	POS - 176		0.00 - 0.00	250g Amber Jar (AL	X	X
9285032	POS - 177		0.00 - 0.00	250g Amber Jar (AL	X	X
9285035	POS - 178		0.00 - 0.00	250g Amber Jar (AL	X	X
9285037	POS - 179		0.00 - 0.00	250g Amber Jar (AL	X	X
9285042	POS - 180		0.00 - 0.00	250g Amber Jar (AL	X	X
9285044	POS - 181		0.00 - 0.00	250g Amber Jar (AL	X	X
9285046	POS - 182		0.00 - 0.00	250g Amber Jar (AL	X	X
9285048	POS - 183		0.00 - 0.00	250g Amber Jar (AL	X	X
9285050	POS - 184		0.00 - 0.00	250g Amber Jar (AL	X	X
9285052	POS - 185		0.00 - 0.00	250g Amber Jar (AL	X	X
9285054	POS - 186		0.00 - 0.00	250g Amber Jar (AL	X	X
9285056	POS - 187		0.00 - 0.00	250g Amber Jar (AL	X	X
9285058	POS - 188		0.00 - 0.00	250g Amber Jar (AL	X	X
9285060	POS - 189		0.00 - 0.00	250g Amber Jar (AL	X	X
9285064	POS - 190		0.00 - 0.00	250g Amber Jar (AL	X	X

CERTIFICATE OF ANALYSIS

SDG:	140515-22	**Location:**	Coed Darcy	**Order Number:**	CD0673
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	270998
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	

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
9284912	POS - 121	0.00 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9284941	POS - 122	0.00 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9284964	POS - 123	0.00 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9284990	POS - 124	0.00 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9285015	POS - 125	0.00 - 0.00	Dark Brown	Clay Loam	0.063 - 0.1 mm	Stones	None
9285040	POS - 126	0.00 - 0.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Vegetation	Stones
9285062	POS - 127	0.00 - 0.00	Dark Brown	Clay Loam	0.063 - 0.1 mm	Stones	None
9285066	POS - 128	0.00 - 0.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	Vegetation
9285068	POS - 129	0.00 - 0.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	Vegetation
9284915	POS - 130	0.00 - 0.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	None
9284917	POS - 131	0.00 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9284920	POS - 132	0.00 - 0.00	Dark Brown	Clay Loam	0.063 - 0.1 mm	Stones	None
9284922	POS - 133	0.00 - 0.00	Dark Brown	Clay Loam	0.063 - 0.1 mm	Stones	None
9284924	POS - 134	0.00 - 0.00	Dark Brown	Clay Loam	0.063 - 0.1 mm	Stones	None
9284928	POS - 135	0.00 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9284931	POS - 136	0.00 - 0.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	None
9284933	POS - 137	0.00 - 0.00	Dark Brown	Clay Loam	0.063 - 0.1 mm	Vegetation	N/A
9284935	POS - 138	0.00 - 0.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Vegetation	Stones
9284938	POS - 139	0.00 - 0.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Vegetation	Stones
9284943	POS - 140	0.00 - 0.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	Vegetation
9284946	POS - 141	0.00 - 0.00	Dark Brown	Clay Loam	0.063 - 0.1 mm	Stones	None
9284948	POS - 142	0.00 - 0.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Vegetation	Stones
9284950	POS - 143	0.00 - 0.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	None
9284952	POS - 144	0.00 - 0.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Vegetation	Stones
9284954	POS - 145	0.00 - 0.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Vegetation	Stones
9284956	POS - 146	0.00 - 0.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Vegetation	Stones
9284958	POS - 147	0.00 - 0.00	Dark Brown	Clay Loam	0.063 - 0.1 mm	Stones	None
9284960	POS - 148	0.00 - 0.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	None
9284962	POS - 149	0.00 - 0.00	Dark Brown	Clay Loam	0.063 - 0.1 mm	Stones	None
9284966	POS - 150	0.00 - 0.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	None
9284968	POS - 151	0.00 - 0.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	Vegetation
9284970	POS - 152	0.00 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9284972	POS - 153	0.00 - 0.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	Vegetation
9284975	POS - 154	0.00 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9284979	POS - 155	0.00 - 0.00	Dark Brown	Clay Loam	0.063 - 0.1 mm	Stones	None
9284981	POS - 156	0.00 - 0.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Vegetation	Stones
9284983	POS - 157	0.00 - 0.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Vegetation	Stones
9284985	POS - 158	0.00 - 0.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	None

CERTIFICATE OF ANALYSIS

SDG:	140515-22	**Location:**	Coed Darcy	**Order Number:**	CD0673
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	270998
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	

			Colour	Description	Grain size	Inclusions	Inclusions 2
9284987	POS - 159	0.00 - 0.00	Dark Brown	Sandy Silt Loam	0.063 - 0.1 mm	Stones	None
9284992	POS - 160	0.00 - 0.00	Dark Brown	Clay Loam	0.063 - 0.1 mm	None	None
9284995	POS - 161	0.00 - 0.00	Dark Brown	Clay Loam	0.063 - 0.1 mm	Stones	None
9284997	POS - 162	0.00 - 0.00	Dark Brown	Clay Loam	0.063 - 0.1 mm	Stones	None
9284999	POS - 163	0.00 - 0.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	None
9285001	POS - 164	0.00 - 0.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	None
9285004	POS - 165	0.00 - 0.00	Dark Brown	Clay Loam	0.063 - 0.1 mm	Stones	None
9285006	POS - 166	0.00 - 0.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	Vegetation
9285008	POS - 167	0.00 - 0.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	Vegetation
9285010	POS - 168	0.00 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9285012	POS - 169	0.00 - 0.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Vegetation	Stones
9285017	POS - 170	0.00 - 0.00	Dark Brown	Clay Loam	0.063 - 0.1 mm	Stones	None
9285019	POS - 171	0.00 - 0.00	Dark Brown	Clay Loam	0.063 - 0.1 mm	Stones	None
9285021	POS - 172	0.00 - 0.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	None
9285024	POS - 173	0.00 - 0.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9285026	POS - 174	0.00 - 0.00	Dark Brown	Clay Loam	0.063 - 0.1 mm	Stones	None
9285028	POS - 175	0.00 - 0.00	Dark Brown	Clay Loam	0.063 - 0.1 mm	Stones	Vegetation
9285030	POS - 176	0.00 - 0.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	None
9285032	POS - 177	0.00 - 0.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Vegetation	Stones
9285035	POS - 178	0.00 - 0.00	Dark Brown	Clay Loam	0.063 - 0.1 mm	Stones	Vegetation
9285037	POS - 179	0.00 - 0.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	None
9285042	POS - 180	0.00 - 0.00	Dark Brown	Silty Clay	<0.063 mm	Stones	None
9285044	POS - 181	0.00 - 0.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	None
9285046	POS - 182	0.00 - 0.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Vegetation	Stones
9285048	POS - 183	0.00 - 0.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	None
9285050	POS - 184	0.00 - 0.00	Dark Brown	Clay Loam	0.063 - 0.1 mm	Stones	None
9285052	POS - 185	0.00 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9285054	POS - 186	0.00 - 0.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	None
9285056	POS - 187	0.00 - 0.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Vegetation	Stones
9285058	POS - 188	0.00 - 0.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	None
9285060	POS - 189	0.00 - 0.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	None
9285064	POS - 190	0.00 - 0.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Vegetation	Stones

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 ocurring 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.

CERTIFICATE OF ANALYSIS

SDG:	140515-22	**Location:**	Coed Darcy	**Order Number:**	CD0673
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	270998
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	POS - 121	POS - 122	POS - 123	POS - 124	POS - 125	POS - 126
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	13/05/2014	13/05/2014	13/05/2014	13/05/2014	13/05/2014	13/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			SDG Ref	140515-22	140515-22	140515-22	140515-22	140515-22	140515-22
			Lab Sample No.(s)	9284912	9284941	9284964	9284990	9285015	9285040
			AGS Reference						
Moisture Content Ratio	%	PM024		12	14	14	14	15	13

CERTIFICATE OF ANALYSIS

SDG:	140515-22	**Location:**	Coed Darcy	**Order Number:**	CD0673
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	270998
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	POS - 127	POS - 128	POS - 129	POS - 130	POS - 131	POS - 132
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	13/05/2014	13/05/2014	13/05/2014	13/05/2014	13/05/2014	13/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			SDG Ref	140515-22	140515-22	140515-22	140515-22	140515-22	140515-22
			Lab Sample No.(s)	9285062	9285066	9285068	9284915	9284917	9284920
			AGS Reference						
Moisture Content Ratio	%	PM024		16	16	16	19	17	18

CERTIFICATE OF ANALYSIS

SDG:	140515-22	**Location:**	Coed Darcy	**Order Number:**	CD0673
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	270998
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	POS - 133	POS - 134	POS - 135	POS - 136	POS - 137	POS - 138
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	13/05/2014	13/05/2014	13/05/2014	13/05/2014	13/05/2014	13/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			SDG Ref	140515-22	140515-22	140515-22	140515-22	140515-22	140515-22
			Lab Sample No.(s)	9284922	9284924	9284928	9284931	9284933	9284935
			AGS Reference						
Moisture Content Ratio	%	PM024		13	16	15	16	12	16

CERTIFICATE OF ANALYSIS

SDG:	140515-22	**Location:**	Coed Darcy	**Order Number:**	CD0673
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	270998
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	POS - 139	POS - 140	POS - 141	POS - 142	POS - 143	POS - 144
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	13/05/2014	13/05/2014	13/05/2014	13/05/2014	13/05/2014	13/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			SDG Ref	140515-22	140515-22	140515-22	140515-22	140515-22	140515-22
			Lab Sample No.(s)	9284938	9284943	9284946	9284948	9284950	9284952
			AGS Reference						
Moisture Content Ratio	%	PM024		16	18	17	17	17	16

CERTIFICATE OF ANALYSIS

SDG:	140515-22	**Location:**	Coed Darcy	**Order Number:**	CD0673
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	270998
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	POS - 145	POS - 146	POS - 147	POS - 148	POS - 149	POS - 150
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	13/05/2014	13/05/2014	13/05/2014	13/05/2014	13/05/2014	13/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			SDG Ref	140515-22	140515-22	140515-22	140515-22	140515-22	140515-22
			Lab Sample No.(s)	9284954	9284956	9284958	9284960	9284962	9284966
			AGS Reference						
Moisture Content Ratio	%	PM024		17	13	15	16	13	16

CERTIFICATE OF ANALYSIS

SDG:	140515-22	**Location:**	Coed Darcy	**Order Number:**	CD0673
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	270998
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	POS - 151	POS - 152	POS - 153	POS - 154	POS - 155	POS - 156
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	13/05/2014	13/05/2014	13/05/2014	13/05/2014	13/05/2014	13/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			SDG Ref	140515-22	140515-22	140515-22	140515-22	140515-22	140515-22
			Lab Sample No.(s)	9284968	9284970	9284972	9284975	9284979	9284981
			AGS Reference						
Moisture Content Ratio	%	PM024		15	15	14	14	16	17

CERTIFICATE OF ANALYSIS

SDG:	140515-22	**Location:**	Coed Darcy	**Order Number:**	CD0673
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	270998
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	POS - 157	POS - 158	POS - 159	POS - 160	POS - 161	POS - 162
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	13/05/2014	13/05/2014	13/05/2014	13/05/2014	13/05/2014	13/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			SDG Ref	140515-22	140515-22	140515-22	140515-22	140515-22	140515-22
			Lab Sample No.(s)	9284983	9284985	9284987	9284992	9284995	9284997
			AGS Reference						
Moisture Content Ratio	%	PM024		16	16	17	15	15	16

CERTIFICATE OF ANALYSIS

SDG:	140515-22	**Location:**	Coed Darcy	**Order Number:**	CD0673
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	270998
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	POS - 163	POS - 164	POS - 165	POS - 166	POS - 167	POS - 168
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	13/05/2014	13/05/2014	13/05/2014	13/05/2014	13/05/2014	13/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			SDG Ref	140515-22	140515-22	140515-22	140515-22	140515-22	140515-22
			Lab Sample No.(s)	9284999	9285001	9285004	9285006	9285008	9285010
			AGS Reference						
Moisture Content Ratio	%	PM024		17	15	18	16	15	16

CERTIFICATE OF ANALYSIS

SDG:	140515-22	**Location:**	Coed Darcy	**Order Number:**	CD0673
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	270998
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	POS - 169	POS - 170	POS - 171	POS - 172	POS - 173	POS - 174
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	13/05/2014	13/05/2014	13/05/2014	13/05/2014	13/05/2014	13/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			SDG Ref	140515-22	140515-22	140515-22	140515-22	140515-22	140515-22
			Lab Sample No.(s)	9285012	9285017	9285019	9285021	9285024	9285026
			AGS Reference						
Moisture Content Ratio	%	PM024		16	17	17	15	14	14

CERTIFICATE OF ANALYSIS

SDG:	140515-22	**Location:**	Coed Darcy	**Order Number:**	CD0673
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	270998
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	POS - 175	POS - 176	POS - 177	POS - 178	POS - 179	POS - 180
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	13/05/2014	13/05/2014	13/05/2014	13/05/2014	13/05/2014	13/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			SDG Ref	140515-22	140515-22	140515-22	140515-22	140515-22	140515-22
			Lab Sample No.(s)	9285028	9285030	9285032	9285035	9285037	9285042
			AGS Reference						
Moisture Content Ratio	%	PM024		16	16	15	14	14	17

CERTIFICATE OF ANALYSIS

SDG:	140515-22	**Location:**	Coed Darcy	**Order Number:**	CD0673
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	270998
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	POS - 181	POS - 182	POS - 183	POS - 184	POS - 185	POS - 186
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	13/05/2014	13/05/2014	13/05/2014	13/05/2014	13/05/2014	13/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			SDG Ref	140515-22	140515-22	140515-22	140515-22	140515-22	140515-22
			Lab Sample No.(s)	9285044	9285046	9285048	9285050	9285052	9285054
			AGS Reference						
Moisture Content Ratio	%	PM024		13	13	15	15	16	13

CERTIFICATE OF ANALYSIS

SDG:	140515-22	**Location:**	Coed Darcy	**Order Number:**	CD0673
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	270998
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	POS - 187	POS - 188	POS - 189	POS - 190		
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	13/05/2014	13/05/2014	13/05/2014	13/05/2014		
			Sample Time	.	.	.	.		
			Date Received	15/05/2014	15/05/2014	15/05/2014	15/05/2014		
			SDG Ref	140515-22	140515-22	140515-22	140515-22		
			Lab Sample No.(s)	9285056	9285058	9285060	9285064		
			AGS Reference						
Moisture Content Ratio	%	PM024		15	16	15	11		

CERTIFICATE OF ANALYSIS

SDG:	140515-22	**Location:**	Coed Darcy	**Order Number:**	CD0673
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	270998
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	POS - 121	POS - 122	POS - 123	POS - 124	POS - 125	POS - 126
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	13/05/2014	13/05/2014	13/05/2014	13/05/2014	13/05/2014	13/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			SDG Ref	140515-22	140515-22	140515-22	140515-22	140515-22	140515-22
			Lab Sample No.(s)	9284912	9284941	9284964	9284990	9285015	9285040
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		93.1	98.6	97	97.1	104	109
Acenaphthene-d10 % recovery**	%	TM218		92	95.1	95.7	96.4	102	106
Phenanthrene-d10 % recovery**	%	TM218		90.9	93.3	93.9	94.3	101	102
Chrysene-d12 % recovery**	%	TM218		80.9	83.1	81.5	85.9	91.8	88.2
Perylene-d12 % recovery**	%	TM218		78.4	80.5	75.4	89.1	90.8	92.4
Naphthalene	<9 µg/kg	TM218		34.6 M	31.2 M	15.4 M	28.6 M	25.9 M	56.2 M
Acenaphthylene	<12 µg/kg	TM218		18.2 M	32.1 M	<12 M	24.8 M	20.4 M	73.7 M
Acenaphthene	<8 µg/kg	TM218		13.1 M	16.3 M	<8 M	12.4 M	39.7 M	31.4 M
Fluorene	<10 µg/kg	TM218		27.5 M	34.7 M	<10 M	23.1 M	50.4 M	61.6 M
Phenanthrene	<15 µg/kg	TM218		234 M	336 M	65.5 M	243 M	419 M	605 M
Anthracene	<16 µg/kg	TM218		52.7 M	92.8 M	<16 M	64.2 M	116 M	150 M
Fluoranthene	<17 µg/kg	TM218		413 M	721 M	114 M	516 M	960 M	1150 M
Pyrene	<15 µg/kg	TM218		342 M	563 M	99 M	405 M	713 M	862 M
Benz(a)anthracene	<14 µg/kg	TM218		220 M	345 M	66.4 M	286 M	482 M	526 M
Chrysene	<10 µg/kg	TM218		204 M	392 M	63 M	269 M	526 M	551 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		241 M	458 M	92 M	255 M	498 M	446 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		105 M	173 M	40.1 M	174 M	244 M	273 M
Benzo(a)pyrene	<15 µg/kg	TM218		158 M	294 M	65.4 M	245 M	394 M	470 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		85 M	170 M	38 M	144 M	217 M	247 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		33.3 M	62.8 M	<23 M	56.7 M	104 M	97.3 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		98.6 M	189 M	49.5 M	169 M	256 M	306 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		2280	3910	708	2920	5070	5910

CERTIFICATE OF ANALYSIS

SDG:	140515-22	**Location:**	Coed Darcy	**Order Number:**	CD0673
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	270998
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	POS - 127	POS - 128	POS - 129	POS - 130	POS - 131	POS - 132
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	13/05/2014	13/05/2014	13/05/2014	13/05/2014	13/05/2014	13/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			SDG Ref	140515-22	140515-22	140515-22	140515-22	140515-22	140515-22
			Lab Sample No.(s)	9285062	9285066	9285068	9284915	9284917	9284920
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		93.7	94.7	97.9	97.8	108	94.8
Acenaphthene-d10 % recovery**	%	TM218		91.1	94.8	98.9	97.5	102	92.6
Phenanthrene-d10 % recovery**	%	TM218		87.7	94.4	98.1	95.4	98.8	89.3
Chrysene-d12 % recovery**	%	TM218		82.3	86.9	93.5	84.7	83	83.6
Perylene-d12 % recovery**	%	TM218		78.5	91.4	97	79.7	75.8	79.1
Naphthalene	<9 µg/kg	TM218		31.8 M	21.1 M	29.4 M	26.7 M	38.6 M	<9 M
Acenaphthylene	<12 µg/kg	TM218		35.8 M	25.7 M	50.5 M	18.7 M	36.1 M	17.9 M
Acenaphthene	<8 µg/kg	TM218		9.87 M	<8 M	10.4 M	<8 M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		28.8 M	<10 M	35 M	14.5 M	35.7 M	14.1 M
Phenanthrene	<15 µg/kg	TM218		308 M	140 M	386 M	160 M	403 M	152 M
Anthracene	<16 µg/kg	TM218		89 M	46.4 M	131 M	46 M	86.8 M	40.6 M
Fluoranthene	<17 µg/kg	TM218		667 M	430 M	1030 M	329 M	745 M	311 M
Pyrene	<15 µg/kg	TM218		500 M	346 M	782 M	251 M	555 M	247 M
Benz(a)anthracene	<14 µg/kg	TM218		303 M	249 M	544 M	143 M	326 M	155 M
Chrysene	<10 µg/kg	TM218		342 M	242 M	504 M	133 M	300 M	165 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		343 M	228 M	599 M	125 M	276 M	173 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		140 M	127 M	219 M	70.9 M	144 M	62.2 M
Benzo(a)pyrene	<15 µg/kg	TM218		196 M	213 M	426 M	101 M	221 M	87 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		104 M	113 M	187 M	50.5 M	107 M	48.7 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		40.8 M	42.9 M	72.6 M	<23 M	37.2 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		125 M	138 M	207 M	60 M	125 M	60.2 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		3260	2360	5210	1530	3440	1530

CERTIFICATE OF ANALYSIS

SDG:	140515-22	**Location:**	Coed Darcy	**Order Number:**	CD0673
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	270998
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	POS - 133	POS - 134	POS - 135	POS - 136	POS - 137	POS - 138
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	13/05/2014	13/05/2014	13/05/2014	13/05/2014	13/05/2014	13/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			SDG Ref	140515-22	140515-22	140515-22	140515-22	140515-22	140515-22
			Lab Sample No.(s)	9284922	9284924	9284928	9284931	9284933	9284935
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		100	99	101	99.6	98.3	96
Acenaphthene-d10 % recovery**	%	TM218		97.1	95.8	99.5	96.4	95.4	88.6
Phenanthrene-d10 % recovery**	%	TM218		94.9	94.4	97.6	92.7	93.4	87.5
Chrysene-d12 % recovery**	%	TM218		83.3	83.6	85.3	79.8	82.1	75
Perylene-d12 % recovery**	%	TM218		79.5	80.3	82.7	74.4	81.5	75.3
Naphthalene	<9 µg/kg	TM218		12.7 M	15 M	<9 M	14 M	<9 M	13.2 M
Acenaphthylene	<12 µg/kg	TM218		20.1 M	<12 M	<12 M	<12 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		14.7 M	16 M	<10 M	<10 M	<10 M	<10 M
Phenanthrene	<15 µg/kg	TM218		146 M	106 M	29.3 M	54.5 M	77.2 M	66.2 M
Anthracene	<16 µg/kg	TM218		35 M	24.9 M	<16 M	<16 M	<16 M	<16 M
Fluoranthene	<17 µg/kg	TM218		329 M	206 M	47.9 M	88.8 M	150 M	119 M
Pyrene	<15 µg/kg	TM218		258 M	178 M	40.5 M	71.9 M	118 M	99.1 M
Benz(a)anthracene	<14 µg/kg	TM218		168 M	133 M	46.2 M	44.9 M	79.8 M	42.2 M
Chrysene	<10 µg/kg	TM218		188 M	153 M	25.3 M	46 M	79.4 M	62.3 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		198 M	180 M	31.3 M	54.2 M	88.2 M	63.4 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		75 M	78.7 M	17.4 M	24 M	27.9 M	24.7 M
Benzo(a)pyrene	<15 µg/kg	TM218		121 M	113 M	26.5 M	38.7 M	52.9 M	48.6 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		72.5 M	80 M	23.5 M	<18 M	30 M	28 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		26.7 M	35.8 M	<23 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		83.3 M	93.4 M	29.3 M	<24 M	39.4 M	38.2 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		1750	1410	317	437	743	605

CERTIFICATE OF ANALYSIS

SDG:	140515-22	**Location:**	Coed Darcy	**Order Number:**	CD0673
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	270998
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	POS - 139	POS - 140	POS - 141	POS - 142	POS - 143	POS - 144
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	13/05/2014	13/05/2014	13/05/2014	13/05/2014	13/05/2014	13/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			SDG Ref	140515-22	140515-22	140515-22	140515-22	140515-22	140515-22
			Lab Sample No.(s)	9284938	9284943	9284946	9284948	9284950	9284952
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		107	99.1	97.2	92.7	105	98
Acenaphthene-d10 % recovery**	%	TM218		104	92.8	93.7	84.7	102	90.1
Phenanthrene-d10 % recovery**	%	TM218		103	90.5	91.5	83	99.5	85.2
Chrysene-d12 % recovery**	%	TM218		93.7	77	82.7	70.4	89.2	71.7
Perylene-d12 % recovery**	%	TM218		97.6	76.6	79.6	70.3	88.5	73.1
Naphthalene	<9 µg/kg	TM218		87.5 M	126 M	41.1 M	90.4 M	141 M	185 M
Acenaphthylene	<12 µg/kg	TM218		56.7 M	142 M	82.4 M	51.9 M	94.8 M	156 M
Acenaphthene	<8 µg/kg	TM218		50.3 M	32.4 M	20 M	45.5 M	35.3 M	25.3 M
Fluorene	<10 µg/kg	TM218		84.9 M	185 M	130 M	71.9 M	90.7 M	139 M
Phenanthrene	<15 µg/kg	TM218		636 M	1810 M	1030 M	671 M	1060 M	1540 M
Anthracene	<16 µg/kg	TM218		220 M	387 M	276 M	121 M	248 M	434 M
Fluoranthene	<17 µg/kg	TM218		1550 M	2770 M	1890 M	977 M	1650 M	3100 M
Pyrene	<15 µg/kg	TM218		1220 M	2010 M	1370 M	720 M	1280 M	2270 M
Benz(a)anthracene	<14 µg/kg	TM218		728 M	978 M	716 M	342 M	834 M	1240 M
Chrysene	<10 µg/kg	TM218		760 M	905 M	710 M	331 M	800 M	1070 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		891 M	764 M	708 M	292 M	1110 M	1090 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		404 M	439 M	342 M	151 M	456 M	505 M
Benzo(a)pyrene	<15 µg/kg	TM218		744 M	771 M	563 M	267 M	944 M	884 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		394 M	355 M	270 M	133 M	423 M	423 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		150 M	129 M	108 M	49.7 M	143 M	147 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		485 M	400 M	306 M	158 M	486 M	471 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		8460	12200	8570	4470	9780	13700

CERTIFICATE OF ANALYSIS

SDG:	140515-22	**Location:**	Coed Darcy	**Order Number:**	CD0673
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	270998
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	POS - 145	POS - 146	POS - 147	POS - 148	POS - 149	POS - 150
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	13/05/2014	13/05/2014	13/05/2014	13/05/2014	13/05/2014	13/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			SDG Ref	140515-22	140515-22	140515-22	140515-22	140515-22	140515-22
			Lab Sample No.(s)	9284954	9284956	9284958	9284960	9284962	9284966
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		107	112	99.8	99.4	102	104
Acenaphthene-d10 % recovery**	%	TM218		107	106	96.5	96.7	98.8	99.7
Phenanthrene-d10 % recovery**	%	TM218		107	103	94.9	94.2	97.5	98.5
Chrysene-d12 % recovery**	%	TM218		102	85.2	84.2	88.8	87.5	86.4
Perylene-d12 % recovery**	%	TM218		108	86.8	81.2	86.9	86.5	86.9
Naphthalene	<9 µg/kg	TM218		69.1 M	22.7 M	16.4 M	332 M	17.6 M	45.7 M
Acenaphthylene	<12 µg/kg	TM218		150 M	<12 M	22.4 M	3120 M	16.2 M	40.3 M
Acenaphthene	<8 µg/kg	TM218		26.5 M	<8 M	<8 M	500 M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		154 M	13.5 M	32.1 M	3080 M	21.9 M	24.7 M
Phenanthrene	<15 µg/kg	TM218		1510 M	115 M	302 M	14400 M	243 M	367 M
Anthracene	<16 µg/kg	TM218		382 M	31.9 M	75.2 M	2480 M	54.6 M	100 M
Fluoranthene	<17 µg/kg	TM218		2500 M	202 M	502 M	10900 M	366 M	903 M
Pyrene	<15 µg/kg	TM218		1820 M	165 M	372 M	7530 M	280 M	669 M
Benz(a)anthracene	<14 µg/kg	TM218		1210 M	89.8 M	228 M	4020 M	174 M	386 M
Chrysene	<10 µg/kg	TM218		957 M	110 M	242 M	3220 M	189 M	385 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		986 M	109 M	268 M	2590 M	209 M	338 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		554 M	62.5 M	88.2 M	1400 M	66.3 M	170 M
Benzo(a)pyrene	<15 µg/kg	TM218		890 M	80.8 M	168 M	2640 M	129 M	312 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		408 M	50.3 M	95.1 M	1080 M	69.5 M	150 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		145 M	<23 M	34 M	365 M	26.5 M	57.1 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		463 M	67.1 M	104 M	1090 M	81.2 M	244 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		12200	1120	2550	58800	1940	4190

CERTIFICATE OF ANALYSIS

SDG:	140515-22	**Location:**	Coed Darcy	**Order Number:**	CD0673
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	270998
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	POS - 151	POS - 152	POS - 153	POS - 154	POS - 155	POS - 156
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	13/05/2014	13/05/2014	13/05/2014	13/05/2014	13/05/2014	13/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			SDG Ref	140515-22	140515-22	140515-22	140515-22	140515-22	140515-22
			Lab Sample No.(s)	9284968	9284970	9284972	9284975	9284979	9284981
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		126	101	108	102	107	89.1
Acenaphthene-d10 % recovery**	%	TM218		130	102	103	98.3	104	81.6
Phenanthrene-d10 % recovery**	%	TM218		125	101	101	96.1	102	80.2
Chrysene-d12 % recovery**	%	TM218		113	93.1	88.9	84.7	91.6	69.5
Perylene-d12 % recovery**	%	TM218		119	93.9	93.4	83	89.9	69.8
Naphthalene	<9 µg/kg	TM218		20.2 M	35.5 M	34.4 M	<9 M	22.5 M	12.4 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	25.1 M	<12 M	<12 M	17.1 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	12.6 M	16 M	<8 M	25.5 M	<8 M
Fluorene	<10 µg/kg	TM218		25.8 M	31.2 M	<10 M	<10 M	27.3 M	<10 M
Phenanthrene	<15 µg/kg	TM218		162 M	197 M	122 M	67.1 M	159 M	69.5 M
Anthracene	<16 µg/kg	TM218		35.5 M	53.5 M	22 M	<16 M	42.4 M	<16 M
Fluoranthene	<17 µg/kg	TM218		301 M	409 M	160 M	120 M	345 M	131 M
Pyrene	<15 µg/kg	TM218		260 M	345 M	149 M	106 M	309 M	112 M
Benz(a)anthracene	<14 µg/kg	TM218		141 M	277 M	73.9 M	75.9 M	163 M	58.5 M
Chrysene	<10 µg/kg	TM218		195 M	247 M	123 M	96.1 M	209 M	72.3 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		210 M	323 M	150 M	77.2 M	324 M	85.8 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		93 M	142 M	69.7 M	34.9 M	113 M	38.6 M
Benzo(a)pyrene	<15 µg/kg	TM218		163 M	268 M	107 M	56.2 M	199 M	63.1 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		106 M	133 M	71.6 M	32.9 M	129 M	36.4 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		39 M	48.1 M	27.7 M	<23 M	45.9 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		133 M	158 M	92.1 M	45.4 M	153 M	48.5 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		1880	2710	1220	712	2280	728

CERTIFICATE OF ANALYSIS

SDG:	140515-22	**Location:**	Coed Darcy	**Order Number:**	CD0673
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	270998
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	POS - 157	POS - 158	POS - 159	POS - 160	POS - 161	POS - 162
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	13/05/2014	13/05/2014	13/05/2014	13/05/2014	13/05/2014	13/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			SDG Ref	140515-22	140515-22	140515-22	140515-22	140515-22	140515-22
			Lab Sample No.(s)	9284983	9284985	9284987	9284992	9284995	9284997
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		105	92.4	99.6	103	104	97.2
Acenaphthene-d10 % recovery**	%	TM218		100	88.6	95.1	98.9	103	93.7
Phenanthrene-d10 % recovery**	%	TM218		97.4	85	93.3	96.6	99.4	91.5
Chrysene-d12 % recovery**	%	TM218		80.7	72.3	81.9	85.7	95.1	82.7
Perylene-d12 % recovery**	%	TM218		85	66.6	78.1	82.8	92.5	79.6
Naphthalene	<9 µg/kg	TM218		12.1 M	18.4 M	76.4 M	25.8 M	42.8 M	39.4 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	63.1 M	38 M	82.7 M	78.9 M
Acenaphthene	<8 µg/kg	TM218		11.3 M	<8 M	20.5 M	<8 M	14 M	19.1 M
Fluorene	<10 µg/kg	TM218		<10 M	<10 M	56.7 M	20.8 M	51.8 M	125 M
Phenanthrene	<15 µg/kg	TM218		72.3 M	122 M	637 M	221 M	555 M	990 M
Anthracene	<16 µg/kg	TM218		<16 M	31.7 M	183 M	62.8 M	178 M	264 M
Fluoranthene	<17 µg/kg	TM218		93 M	221 M	1430 M	605 M	1380 M	1810 M
Pyrene	<15 µg/kg	TM218		75.5 M	173 M	1080 M	475 M	1100 M	1310 M
Benz(a)anthracene	<14 µg/kg	TM218		40.1 M	110 M	692 M	303 M	693 M	686 M
Chrysene	<10 µg/kg	TM218		40.5 M	108 M	599 M	330 M	663 M	681 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		47.6 M	104 M	667 M	368 M	836 M	678 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		24.2 M	47.8 M	338 M	142 M	351 M	328 M
Benzo(a)pyrene	<15 µg/kg	TM218		34.4 M	74.6 M	533 M	237 M	513 M	539 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		23.3 M	39.2 M	268 M	137 M	268 M	258 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	99.1 M	50.1 M	98.6 M	103 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		29.7 M	46.9 M	314 M	153 M	302 M	293 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		504	1100	7060	3170	7130	8210

CERTIFICATE OF ANALYSIS

SDG:	140515-22	**Location:**	Coed Darcy	**Order Number:**	CD0673
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	270998
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	POS - 163	POS - 164	POS - 165	POS - 166	POS - 167	POS - 168
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	13/05/2014	13/05/2014	13/05/2014	13/05/2014	13/05/2014	13/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			SDG Ref	140515-22	140515-22	140515-22	140515-22	140515-22	140515-22
			Lab Sample No.(s)	9284999	9285001	9285004	9285006	9285008	9285010
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		101	85	91.9	96.9	101	97.3
Acenaphthene-d10 % recovery**	%	TM218		99.2	82	89.8	95.5	100	96.2
Phenanthrene-d10 % recovery**	%	TM218		98.5	80	86.4	94.3	99.5	95.9
Chrysene-d12 % recovery**	%	TM218		90.4	75	82.9	83.2	92.2	89
Perylene-d12 % recovery**	%	TM218		93.8	78	83	84.3	96.6	93.8
Naphthalene	<9 µg/kg	TM218		48.4 M	66.9 M	20.8 M	13.3 M	43.7 M	24.5 M
Acenaphthylene	<12 µg/kg	TM218		47.9 M	102 M	19.7 M	<12 M	77.2 M	34.6 M
Acenaphthene	<8 µg/kg	TM218		10.3 M	24.2 M	10.4 M	<8 M	17.9 M	28.4 M
Fluorene	<10 µg/kg	TM218		41.6 M	96.2 M	15.3 M	<10 M	81.7 M	48.9 M
Phenanthrene	<15 µg/kg	TM218		385 M	1000 M	111 M	69.1 M	855 M	479 M
Anthracene	<16 µg/kg	TM218		125 M	263 M	42.2 M	<16 M	207 M	123 M
Fluoranthene	<17 µg/kg	TM218		949 M	1900 M	261 M	139 M	1430 M	750 M
Pyrene	<15 µg/kg	TM218		730 M	1360 M	209 M	116 M	1030 M	554 M
Benz(a)anthracene	<14 µg/kg	TM218		475 M	882 M	170 M	63.4 M	649 M	400 M
Chrysene	<10 µg/kg	TM218		467 M	758 M	191 M	79.4 M	620 M	324 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		426 M	694 M	314 M	85.4 M	589 M	359 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		260 M	345 M	104 M	40.4 M	288 M	172 M
Benzo(a)pyrene	<15 µg/kg	TM218		379 M	627 M	191 M	69.5 M	524 M	290 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		203 M	295 M	134 M	39.8 M	257 M	152 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		72.1 M	106 M	51.8 M	<23 M	91.9 M	58.3 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		232 M	343 M	176 M	50.5 M	296 M	181 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		4850	8860	2020	766	7050	3980

CERTIFICATE OF ANALYSIS

SDG:	140515-22	**Location:**	Coed Darcy	**Order Number:**	CD0673
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	270998
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	POS - 169	POS - 170	POS - 171	POS - 172	POS - 173	POS - 174
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	13/05/2014	13/05/2014	13/05/2014	13/05/2014	13/05/2014	13/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			SDG Ref	140515-22	140515-22	140515-22	140515-22	140515-22	140515-22
			Lab Sample No.(s)	9285012	9285017	9285019	9285021	9285024	9285026
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		105	97.2	102	109	102	93.1
Acenaphthene-d10 % recovery**	%	TM218		108	94.3	98.8	110	98.5	92.3
Phenanthrene-d10 % recovery**	%	TM218		108	92.1	97	109	96.2	89.3
Chrysene-d12 % recovery**	%	TM218		105	80.8	85.5	100	83.3	85
Perylene-d12 % recovery**	%	TM218		115	78.3	82.6	106	79.6	82.7
Naphthalene	<9 µg/kg	TM218		21.3 M	13 M	<9 M	28.5 M	<9 M	29.5 M
Acenaphthylene	<12 µg/kg	TM218		34.6 M	17.3 M	<12 M	19 M	<12 M	32.6 M
Acenaphthene	<8 µg/kg	TM218		9.76 M	11.1 M	<8 M	10.5 M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		36.7 M	18.9 M	<10 M	29.5 M	<10 M	28.2 M
Phenanthrene	<15 µg/kg	TM218		346 M	173 M	106 M	233 M	48.7 M	274 M
Anthracene	<16 µg/kg	TM218		95.8 M	38.9 M	22.7 M	53.7 M	<16 M	76.4 M
Fluoranthene	<17 µg/kg	TM218		613 M	325 M	221 M	385 M	71.9 M	526 M
Pyrene	<15 µg/kg	TM218		465 M	252 M	170 M	300 M	60.5 M	409 M
Benz(a)anthracene	<14 µg/kg	TM218		339 M	151 M	94.4 M	178 M	53.1 M	257 M
Chrysene	<10 µg/kg	TM218		263 M	167 M	108 M	196 M	51.3 M	216 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		349 M	178 M	109 M	224 M	64 M	272 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		133 M	60.4 M	49.5 M	85.7 M	17.2 M	105 M
Benzo(a)pyrene	<15 µg/kg	TM218		292 M	117 M	80.7 M	178 M	33.3 M	171 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		144 M	64.7 M	47.7 M	95.8 M	23.7 M	85.4 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		50.1 M	<23 M	<23 M	36.1 M	<23 M	32.6 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		157 M	85.4 M	58.1 M	124 M	33.5 M	98.3 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		3350	1670	1070	2180	457	2610

CERTIFICATE OF ANALYSIS

SDG:	140515-22	**Location:**	Coed Darcy	**Order Number:**	CD0673
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	270998
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	POS - 175	POS - 176	POS - 177	POS - 178	POS - 179	POS - 180
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	13/05/2014	13/05/2014	13/05/2014	13/05/2014	13/05/2014	13/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			SDG Ref	140515-22	140515-22	140515-22	140515-22	140515-22	140515-22
			Lab Sample No.(s)	9285028	9285030	9285032	9285035	9285037	9285042
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		96.5	104	99.5	100	102	103
Acenaphthene-d10 % recovery**	%	TM218		95.8	103	100	96.6	101	100
Phenanthrene-d10 % recovery**	%	TM218		92.4	101	101	94.4	98.6	97.7
Chrysene-d12 % recovery**	%	TM218		86.6	89.2	95.5	82.4	86.4	84.9
Perylene-d12 % recovery**	%	TM218		82.2	90.6	104	79.1	83.5	79.7
Naphthalene	<9 µg/kg	TM218		28.2 M	<9 M	12.2 M	16 M	<9 M	20.6 M
Acenaphthylene	<12 µg/kg	TM218		40.7 M	<12 M	<12 M	<12 M	<12 M	15.7 M
Acenaphthene	<8 µg/kg	TM218		11.3 M	<8 M	<8 M	<8 M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		34.4 M	<10 M	<10 M	<10 M	<10 M	18.6 M
Phenanthrene	<15 µg/kg	TM218		357 M	98.1 M	83.3 M	98.6 M	45.5 M	128 M
Anthracene	<16 µg/kg	TM218		99.2 M	19.9 M	<16 M	31.4 M	<16 M	38.2 M
Fluoranthene	<17 µg/kg	TM218		723 M	122 M	125 M	215 M	69.1 M	292 M
Pyrene	<15 µg/kg	TM218		542 M	94 M	113 M	179 M	55.2 M	237 M
Benz(a)anthracene	<14 µg/kg	TM218		335 M	58.6 M	73.2 M	110 M	43.7 M	156 M
Chrysene	<10 µg/kg	TM218		405 M	46.7 M	80.6 M	129 M	29.4 M	118 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		403 M	46.5 M	116 M	127 M	36.1 M	142 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		155 M	23.4 M	39.8 M	43.4 M	19.4 M	76.6 M
Benzo(a)pyrene	<15 µg/kg	TM218		223 M	43.7 M	93.1 M	80.4 M	30.5 M	115 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		123 M	25.4 M	51.9 M	44.3 M	<18 M	53.8 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		47.2 M	<23 M	<23 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		147 M	31.5 M	67.3 M	55.2 M	<24 M	62.9 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		3670	609	855	1130	329	1470

CERTIFICATE OF ANALYSIS

SDG:	140515-22	**Location:**	Coed Darcy	**Order Number:**	CD0673
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	270998
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	

PAH by GCMS

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	POS - 181	POS - 182	POS - 183	POS - 184	POS - 185	POS - 186
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	13/05/2014	13/05/2014	13/05/2014	13/05/2014	13/05/2014	13/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			SDG Ref	140515-22	140515-22	140515-22	140515-22	140515-22	140515-22
			Lab Sample No.(s)	9285044	9285046	9285048	9285050	9285052	9285054
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		106	105	88.9	115	101	97.1
Acenaphthene-d10 % recovery**	%	TM218		104	103	89	111	101	95.7
Phenanthrene-d10 % recovery**	%	TM218		102	101	87	109	99.5	94.3
Chrysene-d12 % recovery**	%	TM218		85.6	86.6	82.3	96.2	88.2	84.6
Perylene-d12 % recovery**	%	TM218		89.5	91.6	77.7	90.8	84.9	84.9
Naphthalene	<9 µg/kg	TM218		20 M	21 M	14.5 M	<9 M	23.2 M	21.8 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		11.1 M	11.4 M	<8 M	<8 M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		<10 M	20.9 M	<10 M	<10 M	<10 M	15.2 M
Phenanthrene	<15 µg/kg	TM218		181 M	184 M	79.5 M	72.8 M	128 M	121 M
Anthracene	<16 µg/kg	TM218		29.9 M	39.2 M	18.9 M	<16 M	27.2 M	23.6 M
Fluoranthene	<17 µg/kg	TM218		338 M	260 M	137 M	136 M	261 M	138 M
Pyrene	<15 µg/kg	TM218		258 M	209 M	116 M	110 M	213 M	142 M
Benz(a)anthracene	<14 µg/kg	TM218		127 M	115 M	92.2 M	57.5 M	122 M	105 M
Chrysene	<10 µg/kg	TM218		203 M	129 M	100 M	63.4 M	125 M	94.5 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		184 M	147 M	121 M	64.3 M	169 M	149 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		76.3 M	59.8 M	39.2 M	33.5 M	65.3 M	48.8 M
Benzo(a)pyrene	<15 µg/kg	TM218		135 M	107 M	64.2 M	49.5 M	113 M	98.2 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		89.1 M	62 M	43 M	29.3 M	65.5 M	62.1 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		34.6 M	<23 M	<23 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		115 M	73.6 M	58.5 M	40.3 M	82.9 M	78.9 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		1800	1440	885	657	1400	1100

CERTIFICATE OF ANALYSIS

SDG:	140515-22	**Location:**	Coed Darcy	**Order Number:**	CD0673
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	270998
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	

PAH by GCMS

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	POS - 187	POS - 188	POS - 189	POS - 190		
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	13/05/2014	13/05/2014	13/05/2014	13/05/2014		
			Sample Time	.	.	.	.		
			Date Received	15/05/2014	15/05/2014	15/05/2014	15/05/2014		
			SDG Ref	140515-22	140515-22	140515-22	140515-22		
			Lab Sample No.(s)	9285056	9285058	9285060	9285064		
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		104	96.6	95.6	94		
Acenaphthene-d10 % recovery**	%	TM218		101	92.1	93.2	94.4		
Phenanthrene-d10 % recovery**	%	TM218		99.3	90.9	92	94		
Chrysene-d12 % recovery**	%	TM218		89.2	73	83.5	87.6		
Perylene-d12 % recovery**	%	TM218		91.6	72.6	91	93.4		
Naphthalene	<9 µg/kg	TM218		<9 M	<9 M	<9 M	12.9 M		
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	<12 M		
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	<8 M	<8 M		
Fluorene	<10 µg/kg	TM218		<10 M	<10 M	<10 M	<10 M		
Phenanthrene	<15 µg/kg	TM218		241 M	39.6 M	54 M	59.9 M		
Anthracene	<16 µg/kg	TM218		245 M	<16 M	<16 M	<16 M		
Fluoranthene	<17 µg/kg	TM218		300 M	67 M	91.9 M	99.7 M		
Pyrene	<15 µg/kg	TM218		236 M	52.2 M	76 M	85.3 M		
Benz(a)anthracene	<14 µg/kg	TM218		<14 M	32.3 M	47.6 M	58.8 M		
Chrysene	<10 µg/kg	TM218		176 M	33.8 M	41.5 M	68.8 M		
Benzo(b)fluoranthene	<15 µg/kg	TM218		102 M	39.2 M	47.8 M	92.7 M		
Benzo(k)fluoranthene	<14 µg/kg	TM218		246 M	<14 M	<14 M	46.6 M		
Benzo(a)pyrene	<15 µg/kg	TM218		116 M	29.3 M	38.4 M	73.6 M		
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		66.1 M	<18 M	21.7 M	46.9 M		
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	<23 M		
Benzo(g,h,i)perylene	<24 µg/kg	TM218		84 M	<24 M	<24 M	62.9 M		
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		1810	293	419	708		

CERTIFICATE OF ANALYSIS

SDG:	140515-22	**Location:**	Coed Darcy	**Order Number:**	CD0673
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	270998
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	

Table of Results - Appendix

Method No	Reference	Description	Wet/Dry Sample [1]	Surrogate Corrected
PM024	Modified BS 1377	Soil preparation including homogenisation, moisture screens of soils for Asbestos Containing Material		
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.

CERTIFICATE OF ANALYSIS

SDG:	140515-22	**Location:**	Coed Darcy	**Order Number:**	CD0673
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	270998
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	

Test Completion Dates

Lab Sample No(s)	9284912	9284941	9284964	9284990	9285015	9285040	9285062	9285066	9285068	9284915
Customer Sample Ref.	POS - 121	POS - 122	POS - 123	POS - 124	POS - 125	POS - 126	POS - 127	POS - 128	POS - 129	POS - 130
AGS Ref.										
Depth	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	0.00 - 0.00	0.00 - 0.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
PAH by GCMS	22-May-2014	19-May-2014	22-May-2014	22-May-2014	19-May-2014	21-May-2014	22-May-2014	22-May-2014	22-May-2014	23-May-2014
Sample description	15-May-2014	15-May-2014	15-May-2014	15-May-2014	15-May-2014	16-May-2014	15-May-2014	15-May-2014	16-May-2014	15-May-2014

Lab Sample No(s)	9284917	9284920	9284922	9284924	9284928	9284931	9284933	9284935	9284938	9284943
Customer Sample Ref.	POS - 131	POS - 132	POS - 133	POS - 134	POS - 135	POS - 136	POS - 137	POS - 138	POS - 139	POS - 140
AGS Ref.										
Depth	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	0.00 - 0.00	0.00 - 0.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
PAH by GCMS	22-May-2014	22-May-2014	19-May-2014	19-May-2014	22-May-2014	22-May-2014	19-May-2014	21-May-2014	21-May-2014	21-May-2014
Sample description	15-May-2014	15-May-2014	15-May-2014	15-May-2014	15-May-2014	15-May-2014	15-May-2014	16-May-2014	16-May-2014	16-May-2014

Lab Sample No(s)	9284946	9284948	9284950	9284952	9284954	9284956	9284958	9284960	9284962	9284966
Customer Sample Ref.	POS - 141	POS - 142	POS - 143	POS - 144	POS - 145	POS - 146	POS - 147	POS - 148	POS - 149	POS - 150
AGS Ref.										
Depth	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	0.00 - 0.00	0.00 - 0.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
PAH by GCMS	19-May-2014	21-May-2014	22-May-2014	21-May-2014	22-May-2014	21-May-2014	19-May-2014	22-May-2014	19-May-2014	21-May-2014
Sample description	15-May-2014	16-May-2014	15-May-2014	16-May-2014	15-May-2014	16-May-2014	15-May-2014	15-May-2014	15-May-2014	16-May-2014

Lab Sample No(s)	9284968	9284970	9284972	9284975	9284979	9284981	9284983	9284985	9284987	9284992
Customer Sample Ref.	POS - 151	POS - 152	POS - 153	POS - 154	POS - 155	POS - 156	POS - 157	POS - 158	POS - 159	POS - 160
AGS Ref.										
Depth	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	0.00 - 0.00	0.00 - 0.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
PAH by GCMS	21-May-2014	22-May-2014	21-May-2014	19-May-2014	19-May-2014	21-May-2014	21-May-2014	22-May-2014	22-May-2014	19-May-2014
Sample description	16-May-2014	15-May-2014	16-May-2014	15-May-2014	15-May-2014	16-May-2014	16-May-2014	15-May-2014	15-May-2014	15-May-2014

Lab Sample No(s)	9284995	9284997	9284999	9285001	9285004	9285006	9285008	9285010	9285012	9285017
Customer Sample Ref.	POS - 161	POS - 162	POS - 163	POS - 164	POS - 165	POS - 166	POS - 167	POS - 168	POS - 169	POS - 170
AGS Ref.										
Depth	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	0.00 - 0.00	0.00 - 0.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
PAH by GCMS	22-May-2014	19-May-2014	22-May-2014	22-May-2014	22-May-2014	22-May-2014	22-May-2014	22-May-2014	22-May-2014	19-May-2014
Sample description	15-May-2014	15-May-2014	15-May-2014	15-May-2014	15-May-2014	15-May-2014	15-May-2014	15-May-2014	15-May-2014	15-May-2014

Lab Sample No(s)	9285019	9285021	9285024	9285026	9285028	9285030	9285032	9285035	9285037	9285042
Customer Sample Ref.	POS - 171	POS - 172	POS - 173	POS - 174	POS - 175	POS - 176	POS - 177	POS - 178	POS - 179	POS - 180
AGS Ref.										
Depth	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	0.00 - 0.00	0.00 - 0.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
PAH by GCMS	19-May-2014	22-May-2014	19-May-2014	22-May-2014	22-May-2014	22-May-2014	22-May-2014	19-May-2014	22-May-2014	22-May-2014
Sample description	15-May-2014	15-May-2014	15-May-2014	15-May-2014	15-May-2014	15-May-2014	15-May-2014	15-May-2014	15-May-2014	15-May-2014

Validated

CERTIFICATE OF ANALYSIS

SDG:	140515-22	**Location:**	Coed Darcy	**Order Number:**	CD0673
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	270998
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	

Lab Sample No(s)	9285044	9285046	9285048	9285050	9285052	9285054	9285056	9285058	9285060	9285064
Customer Sample Ref.	POS - 181	POS - 182	POS - 183	POS - 184	POS - 185	POS - 186	POS - 187	POS - 188	POS - 189	POS - 190
AGS Ref.										
Depth	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	0.00 - 0.00	0.00 - 0.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
PAH by GCMS	21-May-2014	21-May-2014	20-May-2014	19-May-2014	22-May-2014	22-May-2014	21-May-2014	21-May-2014	22-May-2014	22-May-2014
Sample description	16-May-2014	16-May-2014	16-May-2014	15-May-2014	15-May-2014	16-May-2014	16-May-2014	16-May-2014	15-May-2014	15-May-2014

SDG:	140515-22	**Location:**	Coed Darcy	**Order Number:**	CD0673
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	270998
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	

Appendix

General

1. Results are expressed on a dry weight basis (dried at 35ºC) 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 Dimethyphenol, 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 presevation 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.

ALcontrol Laboratories

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Coed Darcy
Llandarcy
SA10 6HJ

Attention: Jack Lowrie

CERTIFICATE OF ANALYSIS

Date:	10 June 2014
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	140517-24
Your Reference:	Phase 2 validation
Location:	Coed Darcy
Report No:	272881

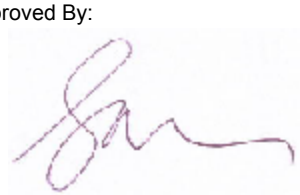
This report has been revised and directly supersedes 271354 in its entirety.

We received 81 samples on Saturday May 17, 2014 and 81 of these samples were scheduled for analysis which was completed on Monday June 09, 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

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Registered Office: Units 7 & 8 Hawarden Business Park, Manor Road, Hawarden, Deeside, CH5 3US. Registered in England and Wales No.

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
9298872	SMH - 1		0.00 - 0.00	15/05/2014
9298920	SMH - 2		0.00 - 0.00	15/05/2014
9298970	SMH - 3		0.00 - 0.00	15/05/2014
9299026	SMH - 4		0.00 - 0.00	15/05/2014
9299071	SMH - 5		0.00 - 0.00	15/05/2014
9299119	SMH - 6		0.00 - 0.00	15/05/2014
9299167	SMH - 7		0.00 - 0.00	15/05/2014
9299218	SMH - 8		0.00 - 0.00	15/05/2014
9299233	SMH - 9		0.00 - 0.00	15/05/2014
9298876	SMH - 10		0.00 - 0.00	15/05/2014
9298880	SMH - 11		0.00 - 0.00	15/05/2014
9298884	SMH - 12		0.00 - 0.00	15/05/2014
9298888	SMH - 13		0.00 - 0.00	15/05/2014
9298892	SMH - 14		0.00 - 0.00	15/05/2014
9298896	SMH - 17		0.00 - 0.00	15/05/2014
9298903	SMH - 18		0.00 - 0.00	15/05/2014
9298907	SMH - 19		0.00 - 0.00	15/05/2014
9298912	SMH - 20		0.00 - 0.00	15/05/2014
9298916	SMH - 21		0.00 - 0.00	15/05/2014
9298924	SMH - 22		0.00 - 0.00	15/05/2014
9298928	SMH - 23		0.00 - 0.00	15/05/2014
9298932	SMH - 24		0.00 - 0.00	15/05/2014
9298936	SMH - 25		0.00 - 0.00	15/05/2014
9298941	SMH - 26		0.00 - 0.00	15/05/2014
9298945	SMH - 27		0.00 - 0.00	15/05/2014
9298954	SMH - 28		0.00 - 0.00	15/05/2014
9298958	SMH - 29		0.00 - 0.00	15/05/2014
9298962	SMH - 30		0.00 - 0.00	15/05/2014
9298966	SMH - 31		0.00 - 0.00	15/05/2014
9298975	SMH - 32		0.00 - 0.00	15/05/2014
9298980	SMH - 33		0.00 - 0.00	15/05/2014
9298985	SMH - 34		0.00 - 0.00	15/05/2014
9298990	SMH - 35		0.00 - 0.00	15/05/2014
9298995	SMH - 36		0.00 - 0.00	15/05/2014
9299000	SMH - 37		0.00 - 0.00	15/05/2014
9299005	SMH - 38		0.00 - 0.00	15/05/2014
9299011	SMH - 39		0.00 - 0.00	15/05/2014
9299015	SMH - 40		0.00 - 0.00	15/05/2014
9299019	SMH - 41		0.00 - 0.00	15/05/2014
9299031	SMH - 42		0.00 - 0.00	15/05/2014
9299035	SMH - 43		0.00 - 0.00	15/05/2014
9299039	SMH - 48		0.00 - 0.00	15/05/2014
9299043	SMH - 49		0.00 - 0.00	15/05/2014
9299047	SMH - 50		0.00 - 0.00	15/05/2014
9299051	SMH - 51		0.00 - 0.00	15/05/2014
9299055	SMH - 52		0.00 - 0.00	15/05/2014
9299059	SMH - 53		0.00 - 0.00	15/05/2014
9299063	SMH - 54		0.00 - 0.00	15/05/2014
9299067	SMH - 55		0.00 - 0.00	15/05/2014
9299075	SMH - 56		0.00 - 0.00	15/05/2014
9299079	SMH - 57		0.00 - 0.00	15/05/2014
9299083	SMH - 58		0.00 - 0.00	15/05/2014
9299087	SMH - 59		0.00 - 0.00	15/05/2014
9299091	SMH - 60		0.00 - 0.00	15/05/2014
9299099	SMH - 61		0.00 - 0.00	15/05/2014
9299103	SMH - 62		0.00 - 0.00	15/05/2014

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

9299107	SMH - 63	0.00 - 0.00	15/05/2014
9299111	SMH - 64	0.00 - 0.00	15/05/2014
9299115	SMH - 65	0.00 - 0.00	15/05/2014
9299123	SMH - 66	0.00 - 0.00	15/05/2014
9299128	SMH - 67	0.00 - 0.00	15/05/2014
9299132	SMH - 68	0.00 - 0.00	15/05/2014
9299136	SMH - 69	0.00 - 0.00	15/05/2014
9299143	SMH - 70	0.00 - 0.00	15/05/2014
9299147	SMH - 71	0.00 - 0.00	15/05/2014
9299151	SMH - 72	0.00 - 0.00	15/05/2014
9299155	SMH - 73	0.00 - 0.00	15/05/2014
9299159	SMH - 74	0.00 - 0.00	15/05/2014
9299163	SMH - 77	0.00 - 0.00	15/05/2014
9299171	SMH - 78	0.00 - 0.00	15/05/2014
9299175	SMH - 79	0.00 - 0.00	15/05/2014
9299179	SMH - 80	0.00 - 0.00	15/05/2014
9299184	SMH - 81	0.00 - 0.00	15/05/2014
9299190	SMH - 82	0.00 - 0.00	15/05/2014
9299194	SMH - 83	0.00 - 0.00	15/05/2014
9299199	SMH - 84	0.00 - 0.00	15/05/2014
9299204	SMH - 85	0.00 - 0.00	15/05/2014
9299209	SMH - 86	0.00 - 0.00	15/05/2014
9299214	SMH - 87	0.00 - 0.00	15/05/2014
9299223	SMH - 88	0.00 - 0.00	15/05/2014
9299228	SMH - 89	0.00 - 0.00	15/05/2014

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

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

SOLID

Results Legend

- X Test
- N No Determination Possible

Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container	Asbestos ID in Solid Samples	Asbestos Quantification - Full	EPH CWG (Aliphatic) GC (S)	EPH CWG (Aromatic) GC (S)	GRO by GC-FID (S)	Metals in solid samples by OES	PAH by GCMS	pH	Sample description	Total Organic Carbon	TPH CWG GC (S)
					All	All	All	All	All	All	All	All	All	All	All
					NDPs: 0 Tests: 81	NDPs: 0 Tests: 8	NDPs: 0 Tests: 81	NDPs: 0 Tests: 81	NDPs: 0 Tests: 81	NDPs: 0 Tests: 81	NDPs: 0 Tests: 81	NDPs: 0 Tests: 81	NDPs: 0 Tests: 81	NDPs: 0 Tests: 81	NDPs: 0 Tests: 81
9298872	SMH - 1		0.00 - 0.00	250g Amber Jar (AL			X	X		X	X		X	X	X
				400g Tub (ALE214)	X							X			
				60g VOC (ALE215)					X						
9298920	SMH - 2		0.00 - 0.00	250g Amber Jar (AL			X	X		X	X		X	X	X
				400g Tub (ALE214)	X							X			
				60g VOC (ALE215)					X						
9298970	SMH - 3		0.00 - 0.00	250g Amber Jar (AL			X	X		X	X		X	X	X
				400g Tub (ALE214)	X							X			
				60g VOC (ALE215)					X						
9299026	SMH - 4		0.00 - 0.00	250g Amber Jar (AL			X	X		X	X		X	X	X
				400g Tub (ALE214)	X							X			
				60g VOC (ALE215)					X						
9299071	SMH - 5		0.00 - 0.00	250g Amber Jar (AL			X	X		X	X		X	X	X
				400g Tub (ALE214)	X							X			
				60g VOC (ALE215)					X						
9299119	SMH - 6		0.00 - 0.00	250g Amber Jar (AL			X	X		X	X		X	X	X
				400g Tub (ALE214)	X	X						X			
				60g VOC (ALE215)					X						
9299167	SMH - 7		0.00 - 0.00	250g Amber Jar (AL			X	X		X	X		X	X	X
				400g Tub (ALE214)	X	X						X			
				60g VOC (ALE215)					X						
9299218	SMH - 8		0.00 - 0.00	250g Amber Jar (AL			X	X		X	X		X	X	X
				400g Tub (ALE214)	X	X						X			
				60g VOC (ALE215)					X						
9299233	SMH - 9		0.00 - 0.00	250g Amber Jar (AL			X	X		X	X		X	X	X
				400g Tub (ALE214)	X							X			
				60g VOC (ALE215)					X						
9298876	SMH - 10		0.00 - 0.00	250g Amber Jar (AL			X	X		X	X		X	X	X
				400g Tub (ALE214)	X							X			
				60g VOC (ALE215)					X						
9298880	SMH - 11		0.00 - 0.00	250g Amber Jar (AL			X	X		X	X		X	X	X
				400g Tub (ALE214)	X							X			
				60g VOC (ALE215)					X						
9298884	SMH - 12		0.00 - 0.00	250g Amber Jar (AL			X	X		X	X		X	X	X
				400g Tub (ALE214)	X							X			
				60g VOC (ALE215)					X						
9298888	SMH - 13		0.00 - 0.00	250g Amber Jar (AL			X	X		X	X		X	X	X
				400g Tub (ALE214)	X							X			
				60g VOC (ALE215)					X						
9298892	SMH - 14		0.00 - 0.00	250g Amber Jar (AL			X	X		X	X		X	X	X

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

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Results Legend

X Test

N No Determination Possible

Lab Sample No(s)			9298892		9298896			9298903			9298907			9298912			9298916			9298924			9298928			9298932			9298936			9298941			9298945			9298954			9298958	
Customer Sample Reference			SMH - 14		SMH - 17			SMH - 18			SMH - 19			SMH - 20			SMH - 21			SMH - 22			SMH - 23			SMH - 24			SMH - 25			SMH - 26			SMH - 27			SMH - 28			SMH - 29	
AGS Reference																																										
Depth (m)			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			0.00 - 0.00			0.00 - 0.00			0.00 - 0.00			0.00 - 0.00			0.00 - 0.00			0.00 - 0.00	
Container			400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 81	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Asbestos Quantification - Full	All	NDPs: 0 Tests: 8																																								X
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 81			X			X			X			X			X			X			X			X			X			X			X			X			X	
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 81			X			X			X			X			X			X			X			X			X			X			X			X			X	
GRO by GC-FID (S)	All	NDPs: 0 Tests: 81		X			X			X			X			X			X			X			X			X			X			X			X			X		
Metals in solid samples by OES	All	NDPs: 0 Tests: 81			X			X			X			X			X			X			X			X			X			X			X			X			X	
PAH by GCMS	All	NDPs: 0 Tests: 81			X			X			X			X			X			X			X			X			X			X			X			X			X	
pH	All	NDPs: 0 Tests: 81	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Sample description	All	NDPs: 0 Tests: 81			X			X			X			X			X			X			X			X			X			X			X			X			X	
Total Organic Carbon	All	NDPs: 0 Tests: 81			X			X			X			X			X			X			X			X			X			X			X			X			X	
TPH CWG GC (S)	All	NDPs: 0 Tests: 81			X			X			X			X			X			X			X			X			X			X			X			X			X	

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

SOLID

Results Legend

- **X** Test
- **N** No Determination Possible

Lab Sample No(s)			9298958			9298962			9298966			9298975			9298980		9298985			9298990			9298995			9299000			9299005			9299011			9299015			9299019			9299031	9299035
Customer Sample Reference			SMH - 29			SMH - 30			SMH - 31			SMH - 32			SMH - 33		SMH - 34			SMH - 35			SMH - 36			SMH - 37			SMH - 38			SMH - 39			SMH - 40			SMH - 41			SMH - 42	SMH - 43
AGS Reference																																										
Depth (m)			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			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
Container			60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 81			X			X			X			X		X			X			X			X			X			X			X			X			X		
Asbestos Quantification - Full	All	NDPs: 0 Tests: 8									X																															
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 81		X			X			X			X			X		X			X			X			X			X			X			X			X			X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 81		X			X			X			X			X		X			X			X			X			X			X			X			X			X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 81	X			X			X			X			X		X			X			X			X			X			X			X			X			X	
Metals in solid samples by OES	All	NDPs: 0 Tests: 81		X			X			X			X			X		X			X			X			X			X			X			X			X			X
PAH by GCMS	All	NDPs: 0 Tests: 81		X			X			X			X			X		X			X			X			X			X			X			X			X			X
pH	All	NDPs: 0 Tests: 81			X			X			X			X		X			X			X			X			X			X			X			X			X		
Sample description	All	NDPs: 0 Tests: 81		X			X			X			X			X		X			X			X			X			X			X			X			X			X
Total Organic Carbon	All	NDPs: 0 Tests: 81		X			X			X			X			X		X			X			X			X			X			X			X			X			X
TPH CWG GC (S)	All	NDPs: 0 Tests: 81		X			X			X			X			X		X			X			X			X			X			X			X			X			X

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

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Results Legend

X Test

N No Determination Possible

	Lab Sample No(s)		9299035		9299039			9299043			9299047			9299051			9299055			9299059			9299063			9299067			9299075			9299079			9299083			9299087			9299091	
	Customer Sample Reference		SMH - 43		SMH - 48			SMH - 49			SMH - 50			SMH - 51			SMH - 52			SMH - 53			SMH - 54			SMH - 55			SMH - 56			SMH - 57			SMH - 58			SMH - 59			SMH - 60	
	AGS Reference																																									
	Depth (m)		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			0.00 - 0.00			0.00 - 0.00			0.00 - 0.00			0.00 - 0.00			0.00 - 0.00			0.00 - 0.00	
	Container		400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 81	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Asbestos Quantification - Full	All	NDPs: 0 Tests: 8																																		X						
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 81			X			X			X			X			X			X			X			X			X			X			X			X			X	
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 81			X			X			X			X			X			X			X			X			X			X			X			X			X	
GRO by GC-FID (S)	All	NDPs: 0 Tests: 81		X			X			X			X			X			X			X			X			X			X			X			X			X		
Metals in solid samples by OES	All	NDPs: 0 Tests: 81			X			X			X			X			X			X			X			X			X			X			X			X			X	
PAH by GCMS	All	NDPs: 0 Tests: 81			X			X			X			X			X			X			X			X			X			X			X			X			X	
pH	All	NDPs: 0 Tests: 81	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Sample description	All	NDPs: 0 Tests: 81			X			X			X			X			X			X			X			X			X			X			X			X			X	
Total Organic Carbon	All	NDPs: 0 Tests: 81			X			X			X			X			X			X			X			X			X			X			X			X			X	
TPH CWG GC (S)	All	NDPs: 0 Tests: 81			X			X			X			X			X			X			X			X			X			X			X			X			X	

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

SOLID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
9299091	SMH - 60		0.00 - 0.00	60g VOC (ALE215)
9299099	SMH - 61		0.00 - 0.00	250g Amber Jar (AL
9299103	SMH - 62		0.00 - 0.00	400g Tub (ALE214)
9299107	SMH - 63		0.00 - 0.00	60g VOC (ALE215)
9299111	SMH - 64		0.00 - 0.00	250g Amber Jar (AL
9299115	SMH - 65		0.00 - 0.00	400g Tub (ALE214)
9299123	SMH - 66		0.00 - 0.00	60g VOC (ALE215)
9299128	SMH - 67		0.00 - 0.00	250g Amber Jar (AL
9299132	SMH - 68		0.00 - 0.00	400g Tub (ALE214)
9299136	SMH - 69		0.00 - 0.00	60g VOC (ALE215)
9299143	SMH - 70		0.00 - 0.00	250g Amber Jar (AL
9299147	SMH - 71		0.00 - 0.00	400g Tub (ALE214)
9299151	SMH - 72		0.00 - 0.00	60g VOC (ALE215)
9299155	SMH - 73		0.00 - 0.00	250g Amber Jar (AL
				400g Tub (ALE214)
				60g VOC (ALE215)

Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 81	X
Asbestos Quantification - Full	All	NDPs: 0 Tests: 8	X
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 81	X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 81	X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 81	X
Metals in solid samples by OES	All	NDPs: 0 Tests: 81	X
PAH by GCMS	All	NDPs: 0 Tests: 81	X
pH	All	NDPs: 0 Tests: 81	X
Sample description	All	NDPs: 0 Tests: 81	X
Total Organic Carbon	All	NDPs: 0 Tests: 81	X
TPH CWG GC (S)	All	NDPs: 0 Tests: 81	X

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

SOLID

Results Legend

X Test

N No Determination Possible

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
			9299159	SMH - 74		0.00 - 0.00	250g Amber Jar (AL
			9299163	SMH - 77		0.00 - 0.00	400g Tub (ALE214)
			9299171	SMH - 78		0.00 - 0.00	60g VOC (ALE215)
			9299175	SMH - 79		0.00 - 0.00	250g Amber Jar (AL
			9299179	SMH - 80		0.00 - 0.00	400g Tub (ALE214)
			9299184	SMH - 81		0.00 - 0.00	60g VOC (ALE215)
			9299190	SMH - 82		0.00 - 0.00	250g Amber Jar (AL
			9299194	SMH - 83		0.00 - 0.00	400g Tub (ALE214)
			9299199	SMH - 84		0.00 - 0.00	60g VOC (ALE215)
			9299204	SMH - 85		0.00 - 0.00	250g Amber Jar (AL
			9299209	SMH - 86		0.00 - 0.00	400g Tub (ALE214)
			9299214	SMH - 87		0.00 - 0.00	60g VOC (ALE215)
			9299223	SMH - 88		0.00 - 0.00	250g Amber Jar (AL
			9299228	SMH - 89		0.00 - 0.00	60g VOC (ALE215)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 81	X	X	X	X	X
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 81	X	X	X	X	X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 81	X	X	X	X	X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 81	X	X	X	X	X
Metals in solid samples by OES	All	NDPs: 0 Tests: 81	X	X	X	X	X
PAH by GCMS	All	NDPs: 0 Tests: 81	X	X	X	X	X
pH	All	NDPs: 0 Tests: 81	X	X	X	X	X
Sample description	All	NDPs: 0 Tests: 81	X	X	X	X	X
Total Organic Carbon	All	NDPs: 0 Tests: 81	X	X	X	X	X
TPH CWG GC (S)	All	NDPs: 0 Tests: 81	X	X	X	X	X

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

SOLID

Results Legend

X **Test**

N **No Determination Possible**

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container	
			9299228	SMH - 89		0.00 - 0.00	400g Tub (ALE214)	60g VOC (ALE215)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 81					X	
GRO by GC-FID (S)	All	NDPs: 0 Tests: 81						X
pH	All	NDPs: 0 Tests: 81					X	

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

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
9298872	SMH - 1	0.00 - 0.00	Dark Brown	Clay Loam	0.063 - 0.1 mm	Stones	N/A
9298920	SMH - 2	0.00 - 0.00	Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones	Vegetation
9298970	SMH - 3	0.00 - 0.00	Dark Brown	Sandy Clay Loam	0.063 - 0.1 mm	Stones	Vegetation
9299026	SMH - 4	0.00 - 0.00	Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones	Vegetation
9299071	SMH - 5	0.00 - 0.00	Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones	None
9299119	SMH - 6	0.00 - 0.00	Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones	Vegetation
9299167	SMH - 7	0.00 - 0.00	Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones	Vegetation
9299218	SMH - 8	0.00 - 0.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	None
9299233	SMH - 9	0.00 - 0.00	Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones	Vegetation
9298876	SMH - 10	0.00 - 0.00	Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones	None
9298880	SMH - 11	0.00 - 0.00	Dark Brown	Sandy Silt Loam	0.063 - 0.1 mm	Stones	None
9298884	SMH - 12	0.00 - 0.00	Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones	Vegetation
9298888	SMH - 13	0.00 - 0.00	Dark Brown	Sandy Clay	0.063 - 0.1 mm	Stones	None
9298892	SMH - 14	0.00 - 0.00	Dark Brown	Clay Loam	0.063 - 0.1 mm	Vegetation	Stones
9298896	SMH - 17	0.00 - 0.00	Light Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	None
9298903	SMH - 18	0.00 - 0.00	Red	Silty Clay Loam	<0.063 mm	Stones	N/A
9298907	SMH - 19	0.00 - 0.00	Red	Silty Clay Loam	<0.063 mm	Stones	Vegetation
9298912	SMH - 20	0.00 - 0.00	Light Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	None
9298916	SMH - 21	0.00 - 0.00	Red	Silty Clay Loam	<0.063 mm	Stones	N/A
9298924	SMH - 22	0.00 - 0.00	Light Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	Tile
9298928	SMH - 23	0.00 - 0.00	Light Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	Vegetation
9298932	SMH - 24	0.00 - 0.00	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	Vegetation
9298936	SMH - 25	0.00 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9298941	SMH - 26	0.00 - 0.00	Red	Silty Clay Loam	<0.063 mm	Brick	Stones
9298945	SMH - 27	0.00 - 0.00	Light Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	None
9298954	SMH - 28	0.00 - 0.00	Red	Silty Clay Loam	<0.063 mm	Brick	Stones
9298958	SMH - 29	0.00 - 0.00	Light Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	None
9298962	SMH - 30	0.00 - 0.00	Light Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	None
9298966	SMH - 31	0.00 - 0.00	Light Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	None
9298975	SMH - 32	0.00 - 0.00	Red	Silty Clay Loam	<0.063 mm	Stones	Vegetation
9298980	SMH - 33	0.00 - 0.00	Dark Brown	Clay Loam	0.063 - 0.1 mm	Stones	Vegetation
9298985	SMH - 34	0.00 - 0.00	Red	Silty Clay	<0.063 mm	Brick	Stones
9298990	SMH - 35	0.00 - 0.00	Dark Brown	Clay Loam	0.063 - 0.1 mm	Stones	Vegetation
9298995	SMH - 36	0.00 - 0.00	Red	Silty Clay Loam	<0.063 mm	Stones	N/A
9299000	SMH - 37	0.00 - 0.00	Dark Brown	Clay Loam	0.063 - 0.1 mm	Stones	Vegetation
9299005	SMH - 38	0.00 - 0.00	Red	Silty Clay Loam	<0.063 mm	Stones	N/A
9299011	SMH - 39	0.00 - 0.00	Light Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	None
9299015	SMH - 40	0.00 - 0.00	Dark Brown	Clay Loam	0.063 - 0.1 mm	Vegetation	Stones

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

			Colour	Description	Grain size	Inclusions	Inclusions 2
9299019	SMH - 41	0.00 - 0.00	Red	Silty Clay Loam	<0.063 mm	Stones	N/A
9299031	SMH - 42	0.00 - 0.00	Dark Brown	Clay Loam	0.063 - 0.1 mm	Stones	Vegetation
9299035	SMH - 43	0.00 - 0.00	Light Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	None
9299039	SMH - 48	0.00 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Crushed Brick	Stones
9299043	SMH - 49	0.00 - 0.00	Light Brown	Silty Clay	0.063 - 0.1 mm	Plastic	Stones
9299047	SMH - 50	0.00 - 0.00	Red	Silty Clay Loam	<0.063 mm	Brick	Stones
9299051	SMH - 51	0.00 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9299055	SMH - 52	0.00 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Brick	Stones
9299059	SMH - 53	0.00 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Crushed Brick	Stones
9299063	SMH - 54	0.00 - 0.00	Red	Silty Clay Loam	<0.063 mm	Stones	N/A
9299067	SMH - 55	0.00 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9299075	SMH - 56	0.00 - 0.00	Red	Silty Clay Loam	<0.063 mm	Stones	N/A
9299079	SMH - 57	0.00 - 0.00	Light Brown	Silty Clay	0.063 - 0.1 mm	Stones	None
9299083	SMH - 58	0.00 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Crushed Brick	Stones
9299087	SMH - 59	0.00 - 0.00	Light Brown	Silty Clay	0.063 - 0.1 mm	Stones	None
9299091	SMH - 60	0.00 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9299099	SMH - 61	0.00 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9299103	SMH - 62	0.00 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9299107	SMH - 63	0.00 - 0.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	Vegetation
9299111	SMH - 64	0.00 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9299115	SMH - 65	0.00 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9299123	SMH - 66	0.00 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9299128	SMH - 67	0.00 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Brick
9299132	SMH - 68	0.00 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9299136	SMH - 69	0.00 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9299143	SMH - 70	0.00 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9299147	SMH - 71	0.00 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9299151	SMH - 72	0.00 - 0.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Brick	Stones
9299155	SMH - 73	0.00 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Crushed Brick	Stones
9299159	SMH - 74	0.00 - 0.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	None
9299163	SMH - 77	0.00 - 0.00	Red	Silty Clay Loam	<0.063 mm	Brick	Stones
9299171	SMH - 78	0.00 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9299175	SMH - 79	0.00 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9299179	SMH - 80	0.00 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9299184	SMH - 81	0.00 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9299190	SMH - 82	0.00 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9299194	SMH - 83	0.00 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9299199	SMH - 84	0.00 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9299204	SMH - 85	0.00 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9299209	SMH - 86	0.00 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9299214	SMH - 87	0.00 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

			Colour	Description	Grain size	Inclusions	Inclusions 2
9299223	SMH - 88	0.00 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9299228	SMH - 89	0.00 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None

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 ocurring 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.

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	SMH - 1	SMH - 2	SMH - 3	SMH - 4	SMH - 5	SMH - 6
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-24	140517-24	140517-24	140517-24	140517-24	140517-24
			Lab Sample No.(s)	9298872	9298920	9298970	9299026	9299071	9299119
			AGS Reference						
Moisture Content Ratio	%	PM024		12	17	17	9.9	19	12
Soil Organic Matter (SOM)	<0.35 %	TM132		1.76 #	1.31 #	1.15 #	1.36 #	1.45 #	1.79 #
pH	1 pH Units	TM133		8.29 M	8.13 M	8.01 M	8.13 M	8.3 M	8.11 M
Arsenic	<0.6 mg/kg	TM181		18.8 M	17.6 M	17.6 M	15.5 M	22.2 M	18.5 M
Cadmium	<0.02 mg/kg	TM181		0.909 M	1.3 M	1.98 M	0.955 M	1.48 M	1.64 M
Chromium	<0.9 mg/kg	TM181		21.6 M	24.4 M	28.2 M	24.7 M	31.2 M	27.4 M
Copper	<1.4 mg/kg	TM181		32 M	25.2 M	23.2 M	23.4 M	24.2 M	24 M
Lead	<0.7 mg/kg	TM181		89.8 M	113 M	119 M	77.6 M	101 M	112 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		24.8 M	26.7 M	29.8 M	20.9 M	30.3 M	28.1 M
Selenium	<1 mg/kg	TM181		1.76 #	1.94 #	2.42 #	1.42 #	2.22 #	1.99 #
Vanadium	<0.2 mg/kg	TM181		36.8 #	45.5 #	57.5 #	37.1 #	57.5 #	57.6 #
Zinc	<1.9 mg/kg	TM181		321 M	431 M	640 M	292 M	550 M	578 M

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	SMH - 7	SMH - 8	SMH - 9	SMH - 10	SMH - 11	SMH - 12
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-24	140517-24	140517-24	140517-24	140517-24	140517-24
			Lab Sample No.(s)	9299167	9299218	9299233	9298876	9298880	9298884
			AGS Reference						
Moisture Content Ratio	%	PM024		17	15	9.6	10	12	9.9
Soil Organic Matter (SOM)	<0.35 %	TM132		1.37 #	1.79 #	1.27 #	1.25 #	1.28 #	1.35 #
pH	1 pH Units	TM133		8.34 M	8.18 M	8.26 M	8.21 M	8.91 M	8.59 M
Arsenic	<0.6 mg/kg	TM181		17.3 M	16.8 M	14.6 M	16.5 M	14.3 M	13.7 M
Cadmium	<0.02 mg/kg	TM181		0.917 M	1.63 M	1.19 M	1.04 M	0.756 M	0.752 M
Chromium	<0.9 mg/kg	TM181		22.6 M	21.6 M	23.5 M	22.4 M	23.1 M	22.3 M
Copper	<1.4 mg/kg	TM181		21.6 M	28.4 M	21.7 M	26.5 M	26.5 M	20.8 M
Lead	<0.7 mg/kg	TM181		72.7 M	83.4 M	91.8 M	95.5 M	71.3 M	68.4 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		20.5 M	22.1 M	28.1 M	25.3 M	26 M	24.4 M
Selenium	<1 mg/kg	TM181		1.45 #	1.33 #	1.35 #	1.05 #	1.05 #	<1 #
Vanadium	<0.2 mg/kg	TM181		38.9 #	38.5 #	42.8 #	40.9 #	36.1 #	35.1 #
Zinc	<1.9 mg/kg	TM181		299 M	420 M	439 M	364 M	311 M	278 M

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	SMH - 13	SMH - 14	SMH - 17	SMH - 18	SMH - 19	SMH - 20
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-24	140517-24	140517-24	140517-24	140517-24	140517-24
			Lab Sample No.(s)	9298888	9298892	9298896	9298903	9298907	9298912
			AGS Reference						
Moisture Content Ratio	%	PM024		14	11	11	18	12	10
Soil Organic Matter (SOM)	<0.35 %	TM132		1.33 #	1.86 #	1.58 #	1.09 #	1.08 #	1.05 #
pH	1 pH Units	TM133		8.61 M	8.66 M	8.55 M	8.17 M	8.28 M	8.18 M
Arsenic	<0.6 mg/kg	TM181		16.3 M	14.7 M	15.6 M	15.4 M	15.9 M	26.6 M
Cadmium	<0.02 mg/kg	TM181		0.588 M	0.513 M	0.949 M	0.629 M	1.07 M	0.894 M
Chromium	<0.9 mg/kg	TM181		22.5 M	24.9 M	25.7 M	21.3 M	27.2 M	20.8 M
Copper	<1.4 mg/kg	TM181		17.4 M	21 M	23.7 M	21.7 M	17.7 M	27.6 M
Lead	<0.7 mg/kg	TM181		54.4 M	64.2 M	92.3 M	72.6 M	101 M	67.4 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		26 M	25.2 M	29.8 M	21.2 M	19 M	22.3 M
Selenium	<1 mg/kg	TM181		<1 #	1.4 #	<1 #	1.22 #	1.51 #	1.71 #
Vanadium	<0.2 mg/kg	TM181		32.7 #	37.9 #	39.3 #	36.8 #	37.3 #	35.1 #
Zinc	<1.9 mg/kg	TM181		217 M	250 M	317 M	284 M	381 M	198 M

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	SMH - 21	SMH - 22	SMH - 23	SMH - 24	SMH - 25	SMH - 26
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-24	140517-24	140517-24	140517-24	140517-24	140517-24
			Lab Sample No.(s)	9298916	9298924	9298928	9298932	9298936	9298941
			AGS Reference						
Moisture Content Ratio	%	PM024		12	11	12	16	16	12
Soil Organic Matter (SOM)	<0.35 %	TM132		1.17 #	0.628 #	1.61 #	0.952 #	1.18 #	1.08 #
pH	1 pH Units	TM133		8.28 M	8.19 M	8.37 M	8.11 M	8.63 M	8.63 M
Arsenic	<0.6 mg/kg	TM181		18.6 M	16.4 M	21.9 M	19.3 M	18.1 M	18.8 M
Cadmium	<0.02 mg/kg	TM181		1.64 M	0.658 M	1.19 M	1.15 M	0.525 M	1.11 M
Chromium	<0.9 mg/kg	TM181		25.3 M	25.8 M	27.8 M	27.3 M	25.8 M	26.6 M
Copper	<1.4 mg/kg	TM181		24 M	20.6 M	36.2 M	30.9 M	25.7 M	22 M
Lead	<0.7 mg/kg	TM181		99.7 M	139 M	129 M	93.9 M	109 M	121 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		25.1 M	20.2 M	29.3 M	28.4 M	22.8 M	24.5 M
Selenium	<1 mg/kg	TM181		1.58 #	1.34 #	1.83 #	1.89 #	1.71 #	2.2 #
Vanadium	<0.2 mg/kg	TM181		44.9 #	40.9 #	47.2 #	48.6 #	41 #	43.4 #
Zinc	<1.9 mg/kg	TM181		460 M	312 M	335 M	379 M	283 M	450 M

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

Results Legend

#	ISO17025 accredited.
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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	Customer Sample R	SMH - 27	SMH - 28	SMH - 29	SMH - 30	SMH - 31	SMH - 32
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-24	140517-24	140517-24	140517-24	140517-24	140517-24
			Lab Sample No.(s)	9298945	9298954	9298958	9298962	9298966	9298975
			AGS Reference						
Moisture Content Ratio	%	PM024		12	15	11	11	12	12
Soil Organic Matter (SOM)	<0.35 %	TM132		2.9 #	1.1 #	1.03 #	1.16 #	1.02 #	1.03 #
pH	1 pH Units	TM133		8.2 M	8.23 M	8.18 M	8.26 M	8.17 M	8.08 M
Arsenic	<0.6 mg/kg	TM181		21.6 M	20.3 M	14.5 M	14.8 M	15.2 M	17.9 M
Cadmium	<0.02 mg/kg	TM181		0.976 M	1.29 M	0.897 M	0.757 M	0.852 M	1.01 M
Chromium	<0.9 mg/kg	TM181		25.2 M	26.2 M	21 M	22.3 M	19.4 M	23.9 M
Copper	<1.4 mg/kg	TM181		41.3 M	28 M	24 M	22.5 M	17.4 M	24 M
Lead	<0.7 mg/kg	TM181		105 M	111 M	69.4 M	71 M	71.8 M	83.9 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		30 M	27.9 M	18.6 M	20.3 M	19 M	24.7 M
Selenium	<1 mg/kg	TM181		1.97 #	1.54 #	1.23 #	1.62 #	2.01 #	1.29 #
Vanadium	<0.2 mg/kg	TM181		37.8 #	46.3 #	33.9 #	34.8 #	32.8 #	41.6 #
Zinc	<1.9 mg/kg	TM181		179 M	408 M	259 M	209 M	270 M	341 M

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	SMH - 33	SMH - 34	SMH - 35	SMH - 36	SMH - 37	SMH - 38
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-24	140517-24	140517-24	140517-24	140517-24	140517-24
			Lab Sample No.(s)	9298980	9298985	9298990	9298995	9299000	9299005
			AGS Reference						
Moisture Content Ratio	%	PM024		9.6	0.91	11	12	11	12
Soil Organic Matter (SOM)	<0.35 %	TM132		1.04 #	1.29 #	0.993 #	1.08 #	0.855 #	1.4 #
pH	1 pH Units	TM133		8.34 M	8.12 M	8.14 M	8.24 M	8.18 M	8.16 M
Arsenic	<0.6 mg/kg	TM181		19.5 M	19.1 M	19.2 M	16.3 M	19 M	18.6 M
Cadmium	<0.02 mg/kg	TM181		0.567 M	1.07 M	1.49 M	1.02 M	0.0742 M	1.47 M
Chromium	<0.9 mg/kg	TM181		22.3 M	24.4 M	25.4 M	22.6 M	24.1 M	22.9 M
Copper	<1.4 mg/kg	TM181		28.5 M	26.1 M	16.5 M	22.5 M	22.1 M	21.5 M
Lead	<0.7 mg/kg	TM181		99.9 M	80.3 M	96.6 M	91 M	139 M	80.5 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		23 M	24.4 M	24.6 M	21.5 M	19.7 M	21.7 M
Selenium	<1 mg/kg	TM181		1.22 #	1.52 #	2.26 #	1.41 #	1.06 #	1.89 #
Vanadium	<0.2 mg/kg	TM181		34.7 #	42.7 #	48.2 #	39.6 #	37.2 #	48.9 #
Zinc	<1.9 mg/kg	TM181		281 M	353 M	627 M	411 M	283 M	332 M

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SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	SMH - 39	SMH - 40	SMH - 41	SMH - 42	SMH - 43	SMH - 48
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-24	140517-24	140517-24	140517-24	140517-24	140517-24
			Lab Sample No.(s)	9299011	9299015	9299019	9299031	9299035	9299039
			AGS Reference						
Moisture Content Ratio	%	PM024		14	11	16	13	12	13
Soil Organic Matter (SOM)	<0.35 %	TM132		0.824 #	1.06 #	1.32 #	0.878 #	1.59 #	0.998 #
pH	1 pH Units	TM133		8.17 M	8.12 M	8.1 M	8.27 M	8.02 M	8.44 M
Arsenic	<0.6 mg/kg	TM181		21.7 M	22.9 M	19.5 M	<6 M	15.6 M	19 M
Cadmium	<0.02 mg/kg	TM181		1.56 M	0.961 M	1.32 M	0.37 M	1.02 M	1.27 M
Chromium	<0.9 mg/kg	TM181		26.9 M	30.7 M	21.5 M	<9 M	28.1 M	22.7 M
Copper	<1.4 mg/kg	TM181		24.5 M	40.2 M	31 M	515 M	23.1 M	24.8 M
Lead	<0.7 mg/kg	TM181		116 M	105 M	96.6 M	33.2 M	74 M	97.8 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		26.2 M	28.9 M	22.6 M	19.3 M	21.6 M	27.3 M
Selenium	<1 mg/kg	TM181		2.64 #	1.86 #	2.1 #	<10 #	1.41 #	1.88 #
Vanadium	<0.2 mg/kg	TM181		53.8 #	50.5 #	39.3 #	6.47 #	47 #	51.9 #
Zinc	<1.9 mg/kg	TM181		478 M	369 M	438 M	347 M	285 M	473 M

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Results Legend

#	ISO17025 accredited.
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aq	Aqueous / settled sample.
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*	Subcontracted test.
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(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	SMH - 49	SMH - 50	SMH - 51	SMH - 52	SMH - 53	SMH - 54
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-24	140517-24	140517-24	140517-24	140517-24	140517-24
			Lab Sample No.(s)	9299043	9299047	9299051	9299055	9299059	9299063
			AGS Reference						
Moisture Content Ratio	%	PM024		16	16	14	16	15	15
Soil Organic Matter (SOM)	<0.35 %	TM132		1 #	1.52 #	1.52 #	1.34 #	0.862 #	1.84 #
pH	1 pH Units	TM133		8.38 M	8.19 M	8.06 M	8.05 M	8.35 M	8.18 M
Arsenic	<0.6 mg/kg	TM181		39.7 M	18.9 M	21.3 M	18.1 M	44.6 M	19.2 M
Cadmium	<0.02 mg/kg	TM181		0.125 M	1.82 M	0.694 M	0.969 M	1.24 M	1.22 M
Chromium	<0.9 mg/kg	TM181		21.3 M	26.8 M	17.9 M	23.9 M	22.7 M	22.3 M
Copper	<1.4 mg/kg	TM181		14.1 M	28.6 M	38.1 M	24.3 M	26.8 M	31.3 M
Lead	<0.7 mg/kg	TM181		93 M	102 M	92.4 M	88.2 M	126 M	92.1 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		15.5 M	31.1 M	27.2 M	24.5 M	33.8 M	25.5 M
Selenium	<1 mg/kg	TM181		1.26 #	1.56 #	1.62 #	1.78 #	3.32 #	2.25 #
Vanadium	<0.2 mg/kg	TM181		28.8 #	44.2 #	37.8 #	38.3 #	43.4 #	37.8 #
Zinc	<1.9 mg/kg	TM181		245 M	444 M	220 M	281 M	423 M	304 M

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1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	SMH - 55	SMH - 56	SMH - 57	SMH - 58	SMH - 59	SMH - 60
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-24	140517-24	140517-24	140517-24	140517-24	140517-24
			Lab Sample No.(s)	9299067	9299075	9299079	9299083	9299087	9299091
			AGS Reference						
Moisture Content Ratio	%	PM024		13	17	16	15	14	14
Soil Organic Matter (SOM)	<0.35 %	TM132		1.53 #	1.42 #	1.47 #	2.03 #	1.18 #	0.834 #
pH	1 pH Units	TM133		8.23 M	8.41 M	8.12 M	8.19 M	8.28 M	8.21 M
Arsenic	<0.6 mg/kg	TM181		22.6 M	17.9 M	20.4 M	21.1 M	14.4 M	18.5 M
Cadmium	<0.02 mg/kg	TM181		1.37 M	1.15 M	0.676 M	1.22 M	0.778 M	0.58 M
Chromium	<0.9 mg/kg	TM181		27.7 M	22.6 M	26.4 M	30 M	17.7 M	25.5 M
Copper	<1.4 mg/kg	TM181		27.8 M	20.7 M	28.7 M	30.8 M	19.2 M	32.1 M
Lead	<0.7 mg/kg	TM181		114 M	89.1 M	93.3 M	99.3 M	102 M	178 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		28.4 M	21 M	26.4 M	27.5 M	20.6 M	23.8 M
Selenium	<1 mg/kg	TM181		2.29 #	1.26 #	1.22 #	2.29 #	<1 #	2.35 #
Vanadium	<0.2 mg/kg	TM181		48.2 #	39 #	43.8 #	45 #	28.3 #	38.8 #
Zinc	<1.9 mg/kg	TM181		490 M	360 M	361 M	369 M	240 M	343 M

CERTIFICATE OF ANALYSIS

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Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

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1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	SMH - 61	SMH - 62	SMH - 63	SMH - 64	SMH - 65	SMH - 66
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-24	140517-24	140517-24	140517-24	140517-24	140517-24
			Lab Sample No.(s)	9299099	9299103	9299107	9299111	9299115	9299123
			AGS Reference						
Moisture Content Ratio	%	PM024		13	14	12	16	15	17
Soil Organic Matter (SOM)	<0.35 %	TM132		1.46 #	1.78 #	0.878 #	1.48 #	1.06 #	1.63 #
pH	1 pH Units	TM133		8.25 M	8.02 M	8.6 M	8.32 M	7.92 M	8.23 M
Arsenic	<0.6 mg/kg	TM181		21.3 M	22.8 M	14.9 M	17.7 M	18.7 M	18.4 M
Cadmium	<0.02 mg/kg	TM181		1.51 M	1.3 M	0.564 M	0.911 M	0.95 M	0.982 M
Chromium	<0.9 mg/kg	TM181		19.9 M	22 M	19.6 M	23.8 M	25.2 M	25.6 M
Copper	<1.4 mg/kg	TM181		51.1 M	39.5 M	17.9 M	32.4 M	32 M	31.4 M
Lead	<0.7 mg/kg	TM181		100 M	124 M	95.9 M	71 M	91.3 M	80.8 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		27.2 M	25 M	17.8 M	22.7 M	26.9 M	23.3 M
Selenium	<1 mg/kg	TM181		2.28 #	1.86 #	1.33 #	1.55 #	1.42 #	1.53 #
Vanadium	<0.2 mg/kg	TM181		45.6 #	51.1 #	33.4 #	36.4 #	41.8 #	36.3 #
Zinc	<1.9 mg/kg	TM181		444 M	491 M	288 M	209 M	307 M	215 M

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

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M	*m*CERTS accredited.
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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	Customer Sample R	SMH - 67	SMH - 68	SMH - 69	SMH - 70	SMH - 71	SMH - 72
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-24	140517-24	140517-24	140517-24	140517-24	140517-24
			Lab Sample No.(s)	9299128	9299132	9299136	9299143	9299147	9299151
			AGS Reference						
Moisture Content Ratio	%	PM024		16	14	15	17	14	13
Soil Organic Matter (SOM)	<0.35 %	TM132		1.43 #	0.936 #	1.34 #	1.51 #	0.953 #	1.34 #
pH	1 pH Units	TM133		8.11 M	8.21 M	8.31 M	8.31 M	8.4 M	8.1 M
Arsenic	<0.6 mg/kg	TM181		19.3 M	16.2 M	24.6 M	17.2 M	19.6 M	21.3 M
Cadmium	<0.02 mg/kg	TM181		1.33 M	0.434 M	2.37 M	0.831 M	0.271 M	0.599 M
Chromium	<0.9 mg/kg	TM181		27.5 M	22.8 M	28.1 M	25 M	25.6 M	22.1 M
Copper	<1.4 mg/kg	TM181		29.5 M	24.2 M	33.6 M	19.1 M	25.8 M	31.9 M
Lead	<0.7 mg/kg	TM181		119 M	121 M	112 M	119 M	115 M	78.3 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		30.2 M	19.8 M	46.8 M	18.2 M	25.7 M	26.6 M
Selenium	<1 mg/kg	TM181		1.49 #	1.26 #	3.02 #	1.25 #	1.75 #	1.7 #
Vanadium	<0.2 mg/kg	TM181		47.7 #	36.2 #	55.2 #	35.7 #	37.9 #	37.8 #
Zinc	<1.9 mg/kg	TM181		426 M	248 M	558 M	272 M	271 M	252 M

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	SMH - 73	SMH - 74	SMH - 77	SMH - 78	SMH - 79	SMH - 80
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-24	140517-24	140517-24	140517-24	140517-24	140517-24
			Lab Sample No.(s)	9299155	9299159	9299163	9299171	9299175	9299179
			AGS Reference						
Moisture Content Ratio	%	PM024		15	17	14	18	17	16
Soil Organic Matter (SOM)	<0.35 %	TM132		1.49 #	1.29 #	1.18 #	0.99 #	1.33 #	1.21 #
pH	1 pH Units	TM133		8.12 M	8.01 M	8.2 M	8.39 M	8.11 M	8.33 M
Arsenic	<0.6 mg/kg	TM181		21.9 M	22.3 M	17.2 M	32.9 M	20 M	19.6 M
Cadmium	<0.02 mg/kg	TM181		0.933 M	1.36 M	1.76 M	2.04 M	0.747 M	1.26 M
Chromium	<0.9 mg/kg	TM181		21.8 M	28 M	22.7 M	38.6 M	21.1 M	21.9 M
Copper	<1.4 mg/kg	TM181		34.4 M	24.6 M	22.1 M	32.4 M	37.5 M	25 M
Lead	<0.7 mg/kg	TM181		98.6 M	105 M	98.3 M	150 M	85.1 M	90.9 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		29.3 M	27.6 M	26.9 M	40.7 M	27.5 M	23.6 M
Selenium	<1 mg/kg	TM181		1.78 #	2.53 #	1.93 #	2.69 #	1.68 #	2 #
Vanadium	<0.2 mg/kg	TM181		39.1 #	51.5 #	42.4 #	86.6 #	39.4 #	40 #
Zinc	<1.9 mg/kg	TM181		289 M	488 M	426 M	914 M	224 M	314 M

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	SMH - 81	SMH - 82	SMH - 83	SMH - 84	SMH - 85	SMH - 86
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-24	140517-24	140517-24	140517-24	140517-24	140517-24
			Lab Sample No.(s)	9299184	9299190	9299194	9299199	9299204	9299209
			AGS Reference						
Moisture Content Ratio	%	PM024		15	31	15	16	16	14
Soil Organic Matter (SOM)	<0.35 %	TM132		1.26 #	1.03 #	0.871 #	0.89 #	1.09 #	0.879 #
pH	1 pH Units	TM133		8.29 M	8.35 M	8.3 M	8.23 M	8.24 M	8.35 M
Arsenic	<0.6 mg/kg	TM181		17.3 M	21.9 M	19.9 M	19.9 M	24.2 M	17.4 M
Cadmium	<0.02 mg/kg	TM181		0.925 M	1.83 M	1.12 M	1.05 M	1.72 M	1.24 M
Chromium	<0.9 mg/kg	TM181		21.9 M	29.2 M	18.2 M	28 M	33.4 M	18.8 M
Copper	<1.4 mg/kg	TM181		21.5 M	28.1 M	31.4 M	27 M	30.3 M	17.6 M
Lead	<0.7 mg/kg	TM181		93.8 M	107 M	93.8 M	90 M	119 M	81.2 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		22.6 M	31.7 M	25.7 M	25.6 M	32.5 M	20.2 M
Selenium	<1 mg/kg	TM181		1.59 #	2.25 #	2.1 #	1.77 #	2.16 #	1.51 #
Vanadium	<0.2 mg/kg	TM181		38.4 #	52.9 #	41.5 #	46.2 #	63.3 #	39 #
Zinc	<1.9 mg/kg	TM181		362 M	609 M	252 M	352 M	583 M	327 M

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	SMH - 87	SMH - 88	SMH - 89			
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00			
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid			
			Date Sampled	15/05/2014	15/05/2014	15/05/2014			
			Sample Time	.	.	.			
			Date Received	17/05/2014	17/05/2014	17/05/2014			
			SDG Ref	140517-24	140517-24	140517-24			
			Lab Sample No.(s)	9299214	9299223	9299228			
			AGS Reference						
Moisture Content Ratio	%	PM024		15	14	17			
Soil Organic Matter (SOM)	<0.35 %	TM132		1.1 #	1.23 #	1.35 #			
pH	1 pH Units	TM133		8.3 M	8.43 M	8.2 M			
Arsenic	<0.6 mg/kg	TM181		19.2 M	18.7 M	18.4 M			
Cadmium	<0.02 mg/kg	TM181		1.1 M	1.07 M	1.41 M			
Chromium	<0.9 mg/kg	TM181		24 M	22.5 M	18.4 M			
Copper	<1.4 mg/kg	TM181		22.7 M	19.5 M	26.3 M			
Lead	<0.7 mg/kg	TM181		84.2 M	82.3 M	80.2 M			
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M			
Nickel	<0.2 mg/kg	TM181		23.4 M	20.9 M	22.9 M			
Selenium	<1 mg/kg	TM181		1.59 #	1.63 #	1.82 #			
Vanadium	<0.2 mg/kg	TM181		38.8 #	36.5 #	40.3 #			
Zinc	<1.9 mg/kg	TM181		332 M	303 M	360 M			

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	SMH - 1	SMH - 2	SMH - 3	SMH - 4	SMH - 5	SMH - 6
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-24	140517-24	140517-24	140517-24	140517-24	140517-24
			Lab Sample No.(s)	9298872	9298920	9298970	9299026	9299071	9299119
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		102	97.9	100	97.5	98.5	99.5
Acenaphthene-d10 % recovery**	%	TM218		98.7	97.7	100	97.3	97.1	98.6
Phenanthrene-d10 % recovery**	%	TM218		96.9	95.3	97.4	94.7	94.2	95.4
Chrysene-d12 % recovery**	%	TM218		94.6	94	96.5	94	93.3	92.2
Perylene-d12 % recovery**	%	TM218		92.7	96.5	99	95.6	96.1	91.8
Naphthalene	<9 µg/kg	TM218		90.4 M	10.9 M	<9 M	16.9 M	<9 M	<9 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	32.9 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		58.9 M	<8 M	<8 M	10.8 M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		65.9 M	<10 M	<10 M	43 M	<10 M	<10 M
Phenanthrene	<15 µg/kg	TM218		431 M	91.3 M	33.6 M	424 M	<15 M	36.3 M
Anthracene	<16 µg/kg	TM218		81.1 M	23 M	<16 M	97.1 M	<16 M	<16 M
Fluoranthene	<17 µg/kg	TM218		504 M	148 M	59.8 M	659 M	<17 M	58.9 M
Pyrene	<15 µg/kg	TM218		379 M	135 M	49.1 M	502 M	<15 M	54.8 M
Benz(a)anthracene	<14 µg/kg	TM218		268 M	109 M	40.6 M	341 M	<14 M	31.1 M
Chrysene	<10 µg/kg	TM218		276 M	87.4 M	37.9 M	237 M	<10 M	29.9 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		353 M	108 M	46.5 M	259 M	<15 M	23.3 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		128 M	48 M	17.3 M	115 M	<14 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		200 M	78.6 M	32.3 M	230 M	<15 M	24.9 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		115 M	51.7 M	22.3 M	120 M	<18 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		52.2 M	<23 M	<23 M	43.3 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		144 M	59 M	<24 M	140 M	<24 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		3150	950	339	3270	<118	259

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	SMH - 7	SMH - 8	SMH - 9	SMH - 10	SMH - 11	SMH - 12
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-24	140517-24	140517-24	140517-24	140517-24	140517-24
			Lab Sample No.(s)	9299167	9299218	9299233	9298876	9298880	9298884
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		97.3	98	98.8	97.6	100	97
Acenaphthene-d10 % recovery**	%	TM218		97.4	98.7	97.8	95.3	99.1	97.2
Phenanthrene-d10 % recovery**	%	TM218		95	96.5	95.2	93.1	96.5	94.8
Chrysene-d12 % recovery**	%	TM218		93.9	93.6	91.8	90.1	94.1	92.8
Perylene-d12 % recovery**	%	TM218		95.8	96.7	92.2	90.4	94.5	93.3
Naphthalene	<9 µg/kg	TM218		<9 M	28.3 M	12.1 M	12.1 M	<9 M	<9 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		<10 M	19 M	<10 M	<10 M	14 M	<10 M
Phenanthrene	<15 µg/kg	TM218		32.8 M	150 M	49 M	62.8 M	122 M	36.8 M
Anthracene	<16 µg/kg	TM218		<16 M	32.3 M	<16 M	<16 M	26.1 M	<16 M
Fluoranthene	<17 µg/kg	TM218		56.5 M	215 M	71.5 M	103 M	190 M	43.9 M
Pyrene	<15 µg/kg	TM218		52.3 M	195 M	70.2 M	93.8 M	166 M	43.6 M
Benz(a)anthracene	<14 µg/kg	TM218		35.1 M	149 M	49.5 M	57.9 M	81.3 M	26.7 M
Chrysene	<10 µg/kg	TM218		28.3 M	146 M	56.6 M	55.4 M	96.8 M	28.4 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		34.6 M	225 M	69.3 M	62.8 M	111 M	28.7 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		17.8 M	82.2 M	35.4 M	27.7 M	48.5 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		30.1 M	139 M	63.2 M	49.1 M	79.7 M	23.5 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	83.5 M	45.4 M	35.8 M	50.2 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	30.7 M	<23 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	107 M	58.4 M	42.3 M	61.3 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		287	1600	581	602	1050	232

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	SMH - 13	SMH - 14	SMH - 17	SMH - 18	SMH - 19	SMH - 20
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-24	140517-24	140517-24	140517-24	140517-24	140517-24
			Lab Sample No.(s)	9298888	9298892	9298896	9298903	9298907	9298912
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		97.2	98.3	103	126	104	100
Acenaphthene-d10 % recovery**	%	TM218		95.7	97.9	104	126	102	100
Phenanthrene-d10 % recovery**	%	TM218		93.1	95.3	100	122	100	96.7
Chrysene-d12 % recovery**	%	TM218		93.5	95.5	101	112	91.2	93.7
Perylene-d12 % recovery**	%	TM218		97	98	97.2	106	86.5	88.2
Naphthalene	<9 µg/kg	TM218		37.7 M	31.8 M	42.9 M	17.7 M	33 M	10.7 M
Acenaphthylene	<12 µg/kg	TM218		25.9 M	14.8 M	<12 M	<12 M	118 M	15.8 M
Acenaphthene	<8 µg/kg	TM218		10.2 M	54.7 M	21.3 M	<8 M	18.8 M	<8 M
Fluorene	<10 µg/kg	TM218		35.2 M	84.1 M	37.7 M	<10 M	56 M	<10 M
Phenanthrene	<15 µg/kg	TM218		228 M	681 M	186 M	75 M	1360 M	88.6 M
Anthracene	<16 µg/kg	TM218		58.7 M	188 M	39.9 M	<16 M	136 M	27.9 M
Fluoranthene	<17 µg/kg	TM218		413 M	944 M	194 M	116 M	1650 M	226 M
Pyrene	<15 µg/kg	TM218		357 M	783 M	211 M	101 M	1030 M	185 M
Benz(a)anthracene	<14 µg/kg	TM218		258 M	489 M	142 M	76.8 M	493 M	144 M
Chrysene	<10 µg/kg	TM218		192 M	410 M	161 M	62 M	698 M	111 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		226 M	364 M	173 M	82.6 M	675 M	142 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		106 M	197 M	64.1 M	30.8 M	293 M	55.2 M
Benzo(a)pyrene	<15 µg/kg	TM218		205 M	394 M	118 M	60.3 M	365 M	97.1 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		121 M	208 M	74.7 M	34.6 M	256 M	57 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		48.2 M	71.1 M	31 M	<23 M	92.1 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		132 M	226 M	92.4 M	41.8 M	283 M	66.9 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		2450	5140	1590	699	7560	1230

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	SMH - 21	SMH - 22	SMH - 23	SMH - 24	SMH - 25	SMH - 26
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-24	140517-24	140517-24	140517-24	140517-24	140517-24
			Lab Sample No.(s)	9298916	9298924	9298928	9298932	9298936	9298941
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		101	113	105	97.3	96.5	107
Acenaphthene-d10 % recovery**	%	TM218		101	112	103	97.9	97.4	106
Phenanthrene-d10 % recovery**	%	TM218		99.6	108	99.2	96.9	95.9	104
Chrysene-d12 % recovery**	%	TM218		93.7	106	96.3	91.6	90.9	101
Perylene-d12 % recovery**	%	TM218		89.9	100	90.5	95.2	94.6	103
Naphthalene	<9 µg/kg	TM218		435 M	14.6 M	30.8 M	30.9 M	18.1 M	21.8 M
Acenaphthylene	<12 µg/kg	TM218		135 M	15.8 M	73.5 M	57.3 M	<12 M	25.1 M
Acenaphthene	<8 µg/kg	TM218		454 M	<8 M	18.5 M	12 M	11.7 M	16.4 M
Fluorene	<10 µg/kg	TM218		423 M	12.2 M	85.9 M	45.1 M	26.3 M	27.8 M
Phenanthrene	<15 µg/kg	TM218		4410 M	75.3 M	762 M	446 M	183 M	280 M
Anthracene	<16 µg/kg	TM218		688 M	26 M	219 M	126 M	142 M	68.9 M
Fluoranthene	<17 µg/kg	TM218		4640 M	175 M	1220 M	1010 M	386 M	543 M
Pyrene	<15 µg/kg	TM218		3330 M	138 M	890 M	741 M	261 M	405 M
Benz(a)anthracene	<14 µg/kg	TM218		1630 M	128 M	557 M	547 M	131 M	282 M
Chrysene	<10 µg/kg	TM218		1430 M	122 M	518 M	406 M	125 M	270 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		1190 M	135 M	547 M	481 M	113 M	369 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		759 M	49.8 M	220 M	231 M	61.9 M	130 M
Benzo(a)pyrene	<15 µg/kg	TM218		1080 M	88.7 M	384 M	421 M	103 M	232 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		471 M	58.7 M	208 M	195 M	51 M	141 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		193 M	<23 M	69.6 M	73 M	<23 M	48.7 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		537 M	75 M	229 M	213 M	60.9 M	172 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		21800	1110	6030	5040	1670	3030

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	SMH - 27	SMH - 28	SMH - 29	SMH - 30	SMH - 31	SMH - 32
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-24	140517-24	140517-24	140517-24	140517-24	140517-24
			Lab Sample No.(s)	9298945	9298954	9298958	9298962	9298966	9298975
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		98.5	107	102	103	105	103
Acenaphthene-d10 % recovery**	%	TM218		95.8	105	101	101	102	103
Phenanthrene-d10 % recovery**	%	TM218		92.3	102	97.5	97.5	100	100
Chrysene-d12 % recovery**	%	TM218		90.4	98.7	94	93.6	97	92.1
Perylene-d12 % recovery**	%	TM218		85.1	99.3	88.9	88.9	94	86.8
Naphthalene	<9 µg/kg	TM218		250 M	14.7 M	21.3 M	14.7 M	<9 M	32.6 M
Acenaphthylene	<12 µg/kg	TM218		68.4 M	26 M	15 M	16.2 M	<12 M	26.8 M
Acenaphthene	<8 µg/kg	TM218		76.8 M	<8 M	34.3 M	<8 M	11.5 M	24 M
Fluorene	<10 µg/kg	TM218		143 M	25.2 M	34.6 M	14.3 M	16.9 M	28.8 M
Phenanthrene	<15 µg/kg	TM218		1200 M	269 M	261 M	128 M	129 M	194 M
Anthracene	<16 µg/kg	TM218		352 M	73.2 M	58.2 M	34.5 M	32.6 M	66.9 M
Fluoranthene	<17 µg/kg	TM218		2270 M	487 M	523 M	292 M	194 M	770 M
Pyrene	<15 µg/kg	TM218		1730 M	367 M	415 M	237 M	148 M	591 M
Benz(a)anthracene	<14 µg/kg	TM218		1110 M	254 M	296 M	173 M	103 M	434 M
Chrysene	<10 µg/kg	TM218		987 M	209 M	318 M	157 M	93.2 M	430 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		960 M	270 M	337 M	195 M	113 M	457 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		479 M	115 M	150 M	79.6 M	49.2 M	223 M
Benzo(a)pyrene	<15 µg/kg	TM218		757 M	176 M	239 M	128 M	70.3 M	344 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		399 M	92.6 M	165 M	81.6 M	42.7 M	190 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		149 M	34.4 M	61.6 M	30 M	<23 M	77 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		427 M	105 M	205 M	94.1 M	53.5 M	212 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		11300	2520	3130	1670	1060	4100

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	SMH - 33	SMH - 34	SMH - 35	SMH - 36	SMH - 37	SMH - 38
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-24	140517-24	140517-24	140517-24	140517-24	140517-24
			Lab Sample No.(s)	9298980	9298985	9298990	9298995	9299000	9299005
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		98.6	106	99.6	102	103	101
Acenaphthene-d10 % recovery**	%	TM218		95.3	102	98.9	101	101	100
Phenanthrene-d10 % recovery**	%	TM218		93	98.9	96.4	99.2	97.7	98.8
Chrysene-d12 % recovery**	%	TM218		89	95.9	86.1	90.6	95.2	87.7
Perylene-d12 % recovery**	%	TM218		87.9	95.1	79.3	87.4	95.8	81.2
Naphthalene	<9 µg/kg	TM218		10.4 M	30.6 M	16.5 M	44.3 M	10.3 M	24.9 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	29.3 M	<12 M	42.5 M	13.9 M	21.6 M
Acenaphthene	<8 µg/kg	TM218		20.9 M	26.6 M	25.8 M	12.4 M	12 M	<8 M
Fluorene	<10 µg/kg	TM218		16.8 M	40.3 M	27 M	32 M	22.6 M	15.2 M
Phenanthrene	<15 µg/kg	TM218		116 M	367 M	290 M	497 M	153 M	153 M
Anthracene	<16 µg/kg	TM218		28 M	81.9 M	42.8 M	107 M	24.6 M	45.1 M
Fluoranthene	<17 µg/kg	TM218		187 M	574 M	491 M	862 M	197 M	326 M
Pyrene	<15 µg/kg	TM218		141 M	435 M	367 M	661 M	150 M	250 M
Benz(a)anthracene	<14 µg/kg	TM218		99.9 M	264 M	208 M	336 M	82.1 M	139 M
Chrysene	<10 µg/kg	TM218		107 M	276 M	241 M	345 M	94.8 M	145 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		118 M	340 M	231 M	349 M	118 M	164 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		44.6 M	128 M	108 M	188 M	45.9 M	77.7 M
Benzo(a)pyrene	<15 µg/kg	TM218		72.9 M	221 M	166 M	282 M	85 M	116 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		40.9 M	118 M	83.2 M	159 M	64.1 M	64.2 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	45.4 M	33 M	52.5 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		53.9 M	143 M	101 M	199 M	82.5 M	73.8 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		1060	3120	2430	4170	1160	1610

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	SMH - 39	SMH - 40	SMH - 41	SMH - 42	SMH - 43	SMH - 48
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-24	140517-24	140517-24	140517-24	140517-24	140517-24
			Lab Sample No.(s)	9299011	9299015	9299019	9299031	9299035	9299039
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		106	111	105	103	110	98.5
Acenaphthene-d10 % recovery**	%	TM218		104	107	104	101	109	97.8
Phenanthrene-d10 % recovery**	%	TM218		100	105	102	98.1	106	95.5
Chrysene-d12 % recovery**	%	TM218		99.2	103	97.2	96	106	86.1
Perylene-d12 % recovery**	%	TM218		94.8	102	97.3	96.7	101	82.2
Naphthalene	<9 µg/kg	TM218		23.7 M	17.8 M	<9 M	<9 M	<9 M	25.2 M
Acenaphthylene	<12 µg/kg	TM218		24.7 M	23.1 M	<12 M	<12 M	<12 M	29.9 M
Acenaphthene	<8 µg/kg	TM218		<8 M	10.2 M	<8 M	<8 M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		19.1 M	20.5 M	<10 M	<10 M	<10 M	36 M
Phenanthrene	<15 µg/kg	TM218		176 M	186 M	<15 M	30.6 M	36.8 M	308 M
Anthracene	<16 µg/kg	TM218		82.8 M	45.5 M	<16 M	<16 M	<16 M	71.2 M
Fluoranthene	<17 µg/kg	TM218		468 M	355 M	139 M	67.9 M	51.1 M	393 M
Pyrene	<15 µg/kg	TM218		373 M	273 M	104 M	59.1 M	57.1 M	305 M
Benz(a)anthracene	<14 µg/kg	TM218		267 M	186 M	85.5 M	64.7 M	41.1 M	176 M
Chrysene	<10 µg/kg	TM218		246 M	169 M	70.6 M	60.3 M	30.4 M	158 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		288 M	244 M	86.3 M	92.4 M	42 M	167 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		106 M	96.4 M	31.1 M	29.3 M	18.3 M	74.8 M
Benzo(a)pyrene	<15 µg/kg	TM218		195 M	163 M	55.3 M	63.1 M	31 M	127 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		120 M	92.8 M	32.5 M	44.5 M	21.7 M	66 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		45.3 M	33.8 M	<23 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		146 M	116 M	38.9 M	51.8 M	<24 M	73.3 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		2580	2030	644	564	330	2010

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	SMH - 49	SMH - 50	SMH - 51	SMH - 52	SMH - 53	SMH - 54
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-24	140517-24	140517-24	140517-24	140517-24	140517-24
			Lab Sample No.(s)	9299043	9299047	9299051	9299055	9299059	9299063
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		91.9	108	94.5	151	89.6	121
Acenaphthene-d10 % recovery**	%	TM218		91.1	105	93.2	152	88.9	117
Phenanthrene-d10 % recovery**	%	TM218		88.7	102	91.6	150	86.9	114
Chrysene-d12 % recovery**	%	TM218		83.3	101	81.6	142	77.8	112
Perylene-d12 % recovery**	%	TM218		82.9	101	77.7	139	73.6	113
Naphthalene	<9 µg/kg	TM218		13 M	16.8 M	48.4 M	68.2 M	31 M	29.7 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	17 M	63.2 M	112 M	34.4 M	44.8 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	13 M	27.6 M	12.2 M	<8 M
Fluorene	<10 µg/kg	TM218		<10 M	12.3 M	48.2 M	183 M	38.6 M	32.4 M
Phenanthrene	<15 µg/kg	TM218		67.7 M	143 M	811 M	1830 M	373 M	399 M
Anthracene	<16 µg/kg	TM218		<16 M	36.2 M	169 M	410 M	76 M	127 M
Fluoranthene	<17 µg/kg	TM218		101 M	338 M	1090 M	2500 M	577 M	1040 M
Pyrene	<15 µg/kg	TM218		78.1 M	263 M	809 M	1770 M	428 M	786 M
Benz(a)anthracene	<14 µg/kg	TM218		69.4 M	181 M	450 M	1080 M	234 M	536 M
Chrysene	<10 µg/kg	TM218		52.1 M	188 M	412 M	942 M	239 M	433 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		75.1 M	277 M	455 M	831 M	281 M	600 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		33.2 M	81 M	228 M	487 M	108 M	252 M
Benzo(a)pyrene	<15 µg/kg	TM218		45.8 M	169 M	313 M	781 M	196 M	397 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		25.7 M	118 M	167 M	361 M	105 M	201 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	42 M	60.8 M	133 M	39.7 M	76.2 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		30.2 M	160 M	202 M	393 M	126 M	226 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		591	2040	5340	11900	2900	5180

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	SMH - 55	SMH - 56	SMH - 57	SMH - 58	SMH - 59	SMH - 60
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-24	140517-24	140517-24	140517-24	140517-24	140517-24
			Lab Sample No.(s)	9299067	9299075	9299079	9299083	9299087	9299091
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		104	113	93.2	97.2	97.4	194
Acenaphthene-d10 % recovery**	%	TM218		103	109	92.1	96.5	95.9	194
Phenanthrene-d10 % recovery**	%	TM218		101	106	90.7	94.8	94.3	190
Chrysene-d12 % recovery**	%	TM218		92.5	104	88.4	87.3	89.7	178
Perylene-d12 % recovery**	%	TM218		88.6	104	90.3	83.2	91	172
Naphthalene	<9 µg/kg	TM218		33.1 M	17 M	39.3 M	78.8 M	22.7 M	24.8 M
Acenaphthylene	<12 µg/kg	TM218		34.8 M	<12 M	116 M	104 M	21.3 M	16.6 M
Acenaphthene	<8 µg/kg	TM218		<8 M	13.3 M	14.6 M	22.5 M	10 M	24.2 M
Fluorene	<10 µg/kg	TM218		22.7 M	14.9 M	76.9 M	92.3 M	15.8 M	200 M
Phenanthrene	<15 µg/kg	TM218		197 M	128 M	1230 M	912 M	188 M	1590 M
Anthracene	<16 µg/kg	TM218		59.8 M	67.7 M	236 M	275 M	51.7 M	170 M
Fluoranthene	<17 µg/kg	TM218		490 M	301 M	1840 M	1850 M	389 M	920 M
Pyrene	<15 µg/kg	TM218		378 M	228 M	1290 M	1380 M	330 M	495 M
Benz(a)anthracene	<14 µg/kg	TM218		246 M	160 M	805 M	866 M	197 M	168 M
Chrysene	<10 µg/kg	TM218		251 M	142 M	683 M	842 M	168 M	159 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		292 M	195 M	856 M	766 M	258 M	170 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		123 M	74.3 M	329 M	448 M	92.4 M	73.3 M
Benzo(a)pyrene	<15 µg/kg	TM218		224 M	124 M	550 M	627 M	165 M	134 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		124 M	65.4 M	268 M	283 M	92.2 M	66.7 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		46.1 M	<23 M	92.7 M	105 M	31.9 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		151 M	80.4 M	279 M	301 M	106 M	80.8 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		2670	1610	8700	8950	2140	4290

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

PAH by GCMS

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	SMH - 61	SMH - 62	SMH - 63	SMH - 64	SMH - 65	SMH - 66
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-24	140517-24	140517-24	140517-24	140517-24	140517-24
			Lab Sample No.(s)	9299099	9299103	9299107	9299111	9299115	9299123
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		93.4	106	106	92.7	108	97.8
Acenaphthene-d10 % recovery**	%	TM218		92.4	105	108	91.1	105	95.9
Phenanthrene-d10 % recovery**	%	TM218		89.8	103	105	90.3	103	95.1
Chrysene-d12 % recovery**	%	TM218		78.1	93.9	109	85.1	99.8	89.9
Perylene-d12 % recovery**	%	TM218		70.4	89.3	107	86	97.9	92.1
Naphthalene	<9 µg/kg	TM218		45 M	47.1 M	11 M	42 M	20 M	33.2 M
Acenaphthylene	<12 µg/kg	TM218		32.5 M	27.6 M	<12 M	38.8 M	30.8 M	27.6 M
Acenaphthene	<8 µg/kg	TM218		23.7 M	33.2 M	<8 M	<8 M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		36.7 M	36.7 M	11.6 M	27.2 M	23.9 M	21.6 M
Phenanthrene	<15 µg/kg	TM218		298 M	273 M	51.7 M	280 M	263 M	188 M
Anthracene	<16 µg/kg	TM218		82 M	88 M	<16 M	81.9 M	76.3 M	103 M
Fluoranthene	<17 µg/kg	TM218		630 M	601 M	133 M	582 M	619 M	449 M
Pyrene	<15 µg/kg	TM218		520 M	501 M	110 M	437 M	472 M	345 M
Benz(a)anthracene	<14 µg/kg	TM218		297 M	340 M	82.4 M	302 M	315 M	238 M
Chrysene	<10 µg/kg	TM218		303 M	361 M	72.5 M	306 M	302 M	219 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		365 M	448 M	91.5 M	381 M	378 M	284 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		150 M	198 M	40.4 M	140 M	158 M	106 M
Benzo(a)pyrene	<15 µg/kg	TM218		234 M	338 M	67.2 M	234 M	234 M	177 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		130 M	209 M	43.3 M	130 M	127 M	91.7 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		46.5 M	79 M	<23 M	45.6 M	48.7 M	35.3 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		157 M	269 M	49.6 M	145 M	145 M	107 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		3350	3850	764	3170	3210	2420

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	SMH - 67	SMH - 68	SMH - 69	SMH - 70	SMH - 71	SMH - 72
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-24	140517-24	140517-24	140517-24	140517-24	140517-24
			Lab Sample No.(s)	9299128	9299132	9299136	9299143	9299147	9299151
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		116	99.9	96.5	114	104	101
Acenaphthene-d10 % recovery**	%	TM218		116	98.5	97.7	113	102	104
Phenanthrene-d10 % recovery**	%	TM218		115	96.9	96.8	111	98	102
Chrysene-d12 % recovery**	%	TM218		113	91.8	91.3	105	93.5	105
Perylene-d12 % recovery**	%	TM218		116	94.3	94.8	108	88.5	102
Naphthalene	<9 µg/kg	TM218		255 M	24.2 M	25.6 M	20.4 M	20.5 M	36.9 M
Acenaphthylene	<12 µg/kg	TM218		229 M	<12 M	18.5 M	<12 M	<12 M	53.8 M
Acenaphthene	<8 µg/kg	TM218		74.2 M	11 M	<8 M	21 M	<8 M	17.5 M
Fluorene	<10 µg/kg	TM218		208 M	13 M	<10 M	14.5 M	12.8 M	44.8 M
Phenanthrene	<15 µg/kg	TM218		2400 M	108 M	128 M	633 M	80.6 M	534 M
Anthracene	<16 µg/kg	TM218		703 M	25.2 M	35.8 M	62.5 M	<16 M	143 M
Fluoranthene	<17 µg/kg	TM218		4900 M	226 M	302 M	588 M	110 M	1330 M
Pyrene	<15 µg/kg	TM218		3660 M	195 M	221 M	337 M	95.1 M	1030 M
Benz(a)anthracene	<14 µg/kg	TM218		2450 M	143 M	170 M	109 M	59.2 M	827 M
Chrysene	<10 µg/kg	TM218		1900 M	142 M	132 M	133 M	67.8 M	769 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		2580 M	235 M	173 M	222 M	70.4 M	940 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		1050 M	77.3 M	74.8 M	78.3 M	37 M	392 M
Benzo(a)pyrene	<15 µg/kg	TM218		1770 M	159 M	132 M	121 M	48.9 M	729 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		818 M	87.1 M	68.2 M	88.9 M	34.9 M	441 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		313 M	34.4 M	<23 M	30.1 M	<23 M	159 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		877 M	110 M	76.9 M	132 M	44.4 M	518 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		24200	1590	1560	2590	682	7970

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	SMH - 73	SMH - 74	SMH - 77	SMH - 78	SMH - 79	SMH - 80
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-24	140517-24	140517-24	140517-24	140517-24	140517-24
			Lab Sample No.(s)	9299155	9299159	9299163	9299171	9299175	9299179
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		173	105	104	92.2	105	112
Acenaphthene-d10 % recovery**	%	TM218		173	102	101	89.9	103	111
Phenanthrene-d10 % recovery**	%	TM218		170	101	100	88.8	102	110
Chrysene-d12 % recovery**	%	TM218		156	101	99.8	82.9	99.8	109
Perylene-d12 % recovery**	%	TM218		148	100	99.7	86.9	102	118
Naphthalene	<9 µg/kg	TM218		33.1 M	49.8 M	15.5 M	23.1 M	66.3 M	53 M
Acenaphthylene	<12 µg/kg	TM218		28 M	168 M	37.6 M	19 M	90.9 M	83.4 M
Acenaphthene	<8 µg/kg	TM218		<8 M	30.1 M	21.7 M	<8 M	26.2 M	29 M
Fluorene	<10 µg/kg	TM218		23.7 M	229 M	73.6 M	13 M	88.5 M	84.5 M
Phenanthrene	<15 µg/kg	TM218		185 M	2130 M	733 M	163 M	795 M	878 M
Anthracene	<16 µg/kg	TM218		51 M	484 M	163 M	43.6 M	231 M	222 M
Fluoranthene	<17 µg/kg	TM218		419 M	3010 M	1090 M	312 M	1390 M	1250 M
Pyrene	<15 µg/kg	TM218		339 M	2170 M	774 M	229 M	1010 M	937 M
Benz(a)anthracene	<14 µg/kg	TM218		239 M	1190 M	443 M	176 M	697 M	622 M
Chrysene	<10 µg/kg	TM218		203 M	1020 M	406 M	143 M	498 M	515 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		222 M	1220 M	472 M	201 M	746 M	718 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		111 M	407 M	184 M	75.8 M	258 M	292 M
Benzo(a)pyrene	<15 µg/kg	TM218		173 M	867 M	334 M	120 M	547 M	536 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		95.4 M	398 M	166 M	71.6 M	262 M	262 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		34.7 M	142 M	62.4 M	28.3 M	95.8 M	95.5 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		120 M	435 M	192 M	72.2 M	279 M	295 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		2280	14000	5170	1690	7080	6870

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	SMH - 81	SMH - 82	SMH - 83	SMH - 84	SMH - 85	SMH - 86
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-24	140517-24	140517-24	140517-24	140517-24	140517-24
			Lab Sample No.(s)	9299184	9299190	9299194	9299199	9299204	9299209
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		106	101	97.4	97.4	97.3	105
Acenaphthene-d10 % recovery**	%	TM218		105	99.4	93.9	98.5	98.4	104
Phenanthrene-d10 % recovery**	%	TM218		105	98.3	92.3	97.1	96.8	103
Chrysene-d12 % recovery**	%	TM218		100	92.8	86.2	92.3	91.7	97.2
Perylene-d12 % recovery**	%	TM218		105	94.1	86.7	97	95	99.3
Naphthalene	<9 µg/kg	TM218		23.8 M	30.8 M	23 M	21.4 M	13.7 M	44.3 M
Acenaphthylene	<12 µg/kg	TM218		42.5 M	98.4 M	17.3 M	19.9 M	<12 M	20.2 M
Acenaphthene	<8 µg/kg	TM218		14.3 M	17.7 M	<8 M	<8 M	<8 M	9.76 M
Fluorene	<10 µg/kg	TM218		47.7 M	118 M	12.2 M	13.5 M	<10 M	25.4 M
Phenanthrene	<15 µg/kg	TM218		374 M	766 M	115 M	135 M	42.7 M	266 M
Anthracene	<16 µg/kg	TM218		123 M	154 M	31.9 M	36.9 M	<16 M	61.2 M
Fluoranthene	<17 µg/kg	TM218		924 M	997 M	228 M	321 M	105 M	405 M
Pyrene	<15 µg/kg	TM218		663 M	716 M	182 M	234 M	76.1 M	304 M
Benz(a)anthracene	<14 µg/kg	TM218		454 M	425 M	127 M	173 M	69.4 M	197 M
Chrysene	<10 µg/kg	TM218		337 M	408 M	124 M	125 M	52.1 M	192 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		550 M	427 M	146 M	151 M	56.7 M	212 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		193 M	179 M	59 M	73.3 M	27.5 M	81.6 M
Benzo(a)pyrene	<15 µg/kg	TM218		347 M	306 M	99.2 M	141 M	57.2 M	135 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		171 M	160 M	47.7 M	69.2 M	30.5 M	72.7 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		62.4 M	52.1 M	<23 M	<23 M	<23 M	26.8 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		194 M	168 M	51.1 M	76 M	34.2 M	77.1 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		4520	5020	1260	1590	565	2130

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	SMH - 87	SMH - 88	SMH - 89			
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00			
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid			
			Date Sampled	15/05/2014	15/05/2014	15/05/2014			
			Sample Time	.	.	.			
			Date Received	17/05/2014	17/05/2014	17/05/2014			
			SDG Ref	140517-24	140517-24	140517-24			
			Lab Sample No.(s)	9299214	9299223	9299228			
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		104	102	101			
Acenaphthene-d10 % recovery**	%	TM218		100	102	101			
Phenanthrene-d10 % recovery**	%	TM218		98.3	100	102			
Chrysene-d12 % recovery**	%	TM218		98.6	94.9	106			
Perylene-d12 % recovery**	%	TM218		101	97.3	107			
Naphthalene	<9 µg/kg	TM218		38.8 M	28.4 M	687 M			
Acenaphthylene	<12 µg/kg	TM218		66.3 M	24.4 M	4560 M			
Acenaphthene	<8 µg/kg	TM218		26.7 M	11.3 M	760 M			
Fluorene	<10 µg/kg	TM218		48.2 M	24.7 M	6140 M			
Phenanthrene	<15 µg/kg	TM218		727 M	170 M	46800 M			
Anthracene	<16 µg/kg	TM218		190 M	49.3 M	10400 M			
Fluoranthene	<17 µg/kg	TM218		1920 M	357 M	48200 M			
Pyrene	<15 µg/kg	TM218		1420 M	292 M	32500 M			
Benz(a)anthracene	<14 µg/kg	TM218		963 M	199 M	19000 M			
Chrysene	<10 µg/kg	TM218		885 M	175 M	14700 M			
Benzo(b)fluoranthene	<15 µg/kg	TM218		1130 M	280 M	16600 M			
Benzo(k)fluoranthene	<14 µg/kg	TM218		489 M	99.9 M	5970 M			
Benzo(a)pyrene	<15 µg/kg	TM218		804 M	166 M	13100 M			
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		427 M	98.2 M	5280 M			
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		159 M	34 M	1810 M			
Benzo(g,h,i)perylene	<24 µg/kg	TM218		487 M	112 M	5110 M			
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		9780	2120	232000			

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	SMH - 1	SMH - 2	SMH - 3	SMH - 4	SMH - 5	SMH - 6
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-24	140517-24	140517-24	140517-24	140517-24	140517-24
			Lab Sample No.(s)	9298872	9298920	9298970	9299026	9299071	9299119
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		121	78	111	89	106	103
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		298 M	1690 M	<44 M	87.7 M	<44 M	<44 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		3.42 M	<2 M	<2 M	<2 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 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		33.1	38.4	<10	13.3	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		30.8	50.4	<10	12.2	<10	<10
Aliphatics >C8-C10	<10 µg/kg	TM089		28.5	286	<10	<10	<10	<10
Aliphatics >C10-C12	<10 µg/kg	TM089		106	676	<10	25.5	<10	<10
Aliphatics >C12-C16	<100 µg/kg	TM173		717	3030	<100	3160	<100	920
Aliphatics >C16-C21	<100 µg/kg	TM173		5880	6630	159	8500	<100	5200
Aliphatics >C21-C35	<100 µg/kg	TM173		31100	8230	1280	20800	2270	13000
Aliphatics >C35-C44	<100 µg/kg	TM173		9890	1810	569	8090	<100	3440
Total Aliphatics >C12-C44	<100 µg/kg	TM173		47600	19700	2000	40600	2270	22600
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		22.8	192	<10	<10	<10	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089		70.7	451	<10	17.8	<10	<10
Aromatics >EC12-EC16	<100 µg/kg	TM173		785	428	<100	929	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		6750	2560	<100	4190	<100	1080
Aromatics >EC21-EC35	<100 µg/kg	TM173		49300	9830	<100	25300	571	9380
Aromatics >EC35-EC44	<100 µg/kg	TM173		33800	7290	1290	15800	1040	7060
Aromatics >EC40-EC44	<100 µg/kg	TM173		14800	3210	276	6680	320	2370
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		90700	20100	1290	46200	1610	17500
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		139000	41500	3290	86800	3880	40100

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

TPH CWG (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	SMH - 7	SMH - 8	SMH - 9	SMH - 10	SMH - 11	SMH - 12
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-24	140517-24	140517-24	140517-24	140517-24	140517-24
			Lab Sample No.(s)	9299167	9299218	9299233	9298876	9298880	9298884
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		80	79	74	75	87	81
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<44 M	572 M	<44 M	98.6 M	63.8 M	518 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	2.36 M	2.22 M	6.72 M	4.56 M	12.2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	4.72 M	<3 M	<3 M	<3 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		<10	29.5	<10	17.9	14.8	36.6
Aliphatics >C6-C8	<10 µg/kg	TM089		<10	27.1	<10	14.6	<10	37.7
Aliphatics >C8-C10	<10 µg/kg	TM089		<10	68.4	<10	11.2	<10	65.5
Aliphatics >C10-C12	<10 µg/kg	TM089		<10	235	11.1	22.4	12.5	186
Aliphatics >C12-C16	<100 µg/kg	TM173		2120	7010	400	825	4270	4080
Aliphatics >C16-C21	<100 µg/kg	TM173		4710	14100	2900	2390	10100	8240
Aliphatics >C21-C35	<100 µg/kg	TM173		10600	24600	4430	4220	24300	27000
Aliphatics >C35-C44	<100 µg/kg	TM173		4680	9440	1160	1370	9300	9470
Total Aliphatics >C12-C44	<100 µg/kg	TM173		22100	55200	8890	8810	47900	48800
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	12.2
Aromatics >EC8-EC10	<10 µg/kg	TM089		<10	53.1	<10	11.2	<10	48.8
Aromatics >EC10-EC12	<10 µg/kg	TM089		<10	157	<10	15.7	<10	124
Aromatics >EC12-EC16	<100 µg/kg	TM173		665	1620	<100	<100	1220	1760
Aromatics >EC16-EC21	<100 µg/kg	TM173		1540	5080	192	<100	4740	5810
Aromatics >EC21-EC35	<100 µg/kg	TM173		4950	17100	1190	<100	23900	30100
Aromatics >EC35-EC44	<100 µg/kg	TM173		4620	11600	956	1640	16700	15200
Aromatics >EC40-EC44	<100 µg/kg	TM173		2250	5340	386	1050	7520	6300
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		11800	35400	2340	1640	46600	52800
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		33900	91100	11300	10500	94600	102000

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

TPH CWG (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	SMH - 13	SMH - 14	SMH - 17	SMH - 18	SMH - 19	SMH - 20
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-24	140517-24	140517-24	140517-24	140517-24	140517-24
			Lab Sample No.(s)	9298888	9298892	9298896	9298903	9298907	9298912
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		0	82	104	125	125	100
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<44 M	720 M	283 M	<44 M	<44 M	<44 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	17 M	13.4 M	<2 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 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		<10	33.9	20.2	<10	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		<10	49.7	24.6	<10	<10	<10
Aliphatics >C8-C10	<10 µg/kg	TM089		<10	104	33.6	<10	<10	<10
Aliphatics >C10-C12	<10 µg/kg	TM089		<10	260	95.2	<10	<10	<10
Aliphatics >C12-C16	<100 µg/kg	TM173		3990	9680	10000	848	894	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		6950	15500	16300	2550	3630	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		22200	42900	33900	4120	14000	6520
Aliphatics >C35-C44	<100 µg/kg	TM173		11400	15500	8200	1260	5400	3500
Total Aliphatics >C12-C44	<100 µg/kg	TM173		44600	83700	68400	8790	23900	10000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	17	13.4	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		<10	76.8	28	<10	<10	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089		<10	173	63.8	<10	<10	<10
Aromatics >EC12-EC16	<100 µg/kg	TM173		1500	3330	1860	<100	500	314
Aromatics >EC16-EC21	<100 µg/kg	TM173		5670	9090	7950	<100	20600	8020
Aromatics >EC21-EC35	<100 µg/kg	TM173		18300	30200	30600	104	<100	39100
Aromatics >EC35-EC44	<100 µg/kg	TM173		8940	15400	13000	<100	9880	18600
Aromatics >EC40-EC44	<100 µg/kg	TM173		3780	6560	4590	<100	4280	7010
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		34400	58000	53400	104	31000	66000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		79000	142000	122000	8900	54900	76000

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

TPH CWG (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	SMH - 21	SMH - 22	SMH - 23	SMH - 24	SMH - 25	SMH - 26
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-24	140517-24	140517-24	140517-24	140517-24	140517-24
			Lab Sample No.(s)	9298916	9298924	9298928	9298932	9298936	9298941
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		103	112	93	106	105	114
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<44 M	<44 M	<44 M	<44 M	<44 M	<44 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	<2 M	<2 M	2.4 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 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		<10	<10	<10	<10	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C8-C10	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C10-C12	<10 µg/kg	TM089		<10	<10	<10	<10	12	<10
Aliphatics >C12-C16	<100 µg/kg	TM173		165	<100	<100	<100	<100	1770
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	12000	<100	<100	1740	6820
Aliphatics >C21-C35	<100 µg/kg	TM173		680	18800	5170	5500	4580	23000
Aliphatics >C35-C44	<100 µg/kg	TM173		1010	5970	4880	1650	1030	9670
Total Aliphatics >C12-C44	<100 µg/kg	TM173		1850	36700	10000	7140	7350	41200
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	302	<100	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	4990	258	3050	1390	2730
Aromatics >EC21-EC35	<100 µg/kg	TM173		2900	16400	10000	14400	4750	17000
Aromatics >EC35-EC44	<100 µg/kg	TM173		5390	14800	9930	9050	4240	12600
Aromatics >EC40-EC44	<100 µg/kg	TM173		2460	5350	4000	3550	1630	5410
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		8290	36500	20200	26500	10400	32300
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		10100	73200	30300	33600	17800	73600

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

TPH CWG (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	SMH - 27	SMH - 28	SMH - 29	SMH - 30	SMH - 31	SMH - 32
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-24	140517-24	140517-24	140517-24	140517-24	140517-24
			Lab Sample No.(s)	9298945	9298954	9298958	9298962	9298966	9298975
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		99	89	95	99	106	101
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<44 M	<44 M	<44 M	<44 M	<44 M	<44 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	<2 M	<2 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 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		<10	<10	<10	<10	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C8-C10	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C10-C12	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	<100	889	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	<100	1210	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		290	3350	6000	2130	7880	9680
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	1570	<100	1530	2760	3290
Total Aliphatics >C12-C44	<100 µg/kg	TM173		290	4920	6000	5760	10600	13000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	<100	971	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		1600	870	464	2610	1020	3590
Aromatics >EC21-EC35	<100 µg/kg	TM173		5160	7300	6110	6000	5430	23600
Aromatics >EC35-EC44	<100 µg/kg	TM173		2320	7580	5780	2340	2390	16800
Aromatics >EC40-EC44	<100 µg/kg	TM173		619	3380	1900	997	591	7440
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		9080	15700	12400	11900	8840	44000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		9370	20700	18400	17700	19500	57000

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	SMH - 33	SMH - 34	SMH - 35	SMH - 36	SMH - 37	SMH - 38
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-24	140517-24	140517-24	140517-24	140517-24	140517-24
			Lab Sample No.(s)	9298980	9298985	9298990	9298995	9299000	9299005
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		97	119	122	85	96	90
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<44 M	<44 M	<44 M	<44 M	<44 M	<44 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	<2 M	<2 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 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		<10	<10	<10	<10	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C8-C10	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C10-C12	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	<100	1090	989	1170
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	<100	3310	4020	1420
Aliphatics >C21-C35	<100 µg/kg	TM173		2860	<100	14800	15300	14800	7310
Aliphatics >C35-C44	<100 µg/kg	TM173		2230	<100	7110	8230	7520	5890
Total Aliphatics >C12-C44	<100 µg/kg	TM173		5090	<100	21900	27900	27300	15800
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC12-EC16	<100 µg/kg	TM173		199	<100	180	<100	625	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		1000	1350	846	1690	2930	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		9620	3720	16000	16600	19500	6570
Aromatics >EC35-EC44	<100 µg/kg	TM173		9760	5050	15500	13300	18800	9000
Aromatics >EC40-EC44	<100 µg/kg	TM173		4380	2350	6830	5730	8580	3990
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		20600	10100	32500	31500	41900	15600
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		25700	10100	54400	59500	69300	31400

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	SMH - 39	SMH - 40	SMH - 41	SMH - 42	SMH - 43	SMH - 48
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-24	140517-24	140517-24	140517-24	140517-24	140517-24
			Lab Sample No.(s)	9299011	9299015	9299019	9299031	9299035	9299039
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		83	84	106	99	133	89
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<44 M	<44 M	<44 M	<44 M	314 M	197 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	<2 M	<2 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 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		<10	<10	<10	<10	18.2	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		<10	<10	<10	<10	19.4	12.8
Aliphatics >C8-C10	<10 µg/kg	TM089		<10	<10	<10	<10	52.4	29
Aliphatics >C10-C12	<10 µg/kg	TM089		<10	<10	<10	<10	113	75.4
Aliphatics >C12-C16	<100 µg/kg	TM173		1360	1050	<100	<100	<100	563
Aliphatics >C16-C21	<100 µg/kg	TM173		2770	3130	<100	<100	3100	6480
Aliphatics >C21-C35	<100 µg/kg	TM173		6260	9230	4680	5660	6660	7210
Aliphatics >C35-C44	<100 µg/kg	TM173		4690	4080	<100	<100	2070	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		15100	17500	4680	5660	11800	14200
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		<10	<10	<10	<10	35.3	22
Aromatics >EC10-EC12	<10 µg/kg	TM089		<10	<10	<10	<10	75.2	49.9
Aromatics >EC12-EC16	<100 µg/kg	TM173		636	183	411	<100	537	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		1680	1890	3270	<100	1630	1220
Aromatics >EC21-EC35	<100 µg/kg	TM173		7390	14300	12800	4100	11200	4520
Aromatics >EC35-EC44	<100 µg/kg	TM173		7430	11300	10700	5990	8930	3560
Aromatics >EC40-EC44	<100 µg/kg	TM173		3380	4530	5170	2820	3410	1470
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		17100	27700	27100	10100	22300	9300
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		32200	45200	31800	15700	34400	23700

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	SMH - 49	SMH - 50	SMH - 51	SMH - 52	SMH - 53	SMH - 54
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-24	140517-24	140517-24	140517-24	140517-24	140517-24
			Lab Sample No.(s)	9299043	9299047	9299051	9299055	9299059	9299063
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		119	86	92	83	89	95
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		102 M	<44 M	<44 M	<44 M	<44 M	<44 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	<2 M	2.36 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 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		14.3	<10	<10	<10	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		14.3	<10	<10	<10	<10	<10
Aliphatics >C8-C10	<10 µg/kg	TM089		17.9	<10	<10	<10	<10	<10
Aliphatics >C10-C12	<10 µg/kg	TM089		26.2	12	<10	<10	13	<10
Aliphatics >C12-C16	<100 µg/kg	TM173		288	<100	<100	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		3880	2640	1100	2060	3530	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		9900	13200	8800	13300	14300	457
Aliphatics >C35-C44	<100 µg/kg	TM173		3400	6580	7990	2470	8670	301
Total Aliphatics >C12-C44	<100 µg/kg	TM173		17500	22400	17900	17800	26500	758
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		13.1	<10	<10	<10	<10	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089		17.9	<10	<10	<10	<10	<10
Aromatics >EC12-EC16	<100 µg/kg	TM173		406	<100	<100	<100	874	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		1180	1080	6030	247	3300	706
Aromatics >EC21-EC35	<100 µg/kg	TM173		6310	16000	16600	7060	22000	4180
Aromatics >EC35-EC44	<100 µg/kg	TM173		6200	13700	6140	2600	20100	3770
Aromatics >EC40-EC44	<100 µg/kg	TM173		2080	5090	1410	558	8030	1580
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		14100	30700	28800	9910	46200	8660
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		31700	53200	46700	27800	72800	9420

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

TPH CWG (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	SMH - 55	SMH - 56	SMH - 57	SMH - 58	SMH - 59	SMH - 60
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-24	140517-24	140517-24	140517-24	140517-24	140517-24
			Lab Sample No.(s)	9299067	9299075	9299079	9299083	9299087	9299091
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		127	83	92	90	81	127
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		131 M	66 M	143 M	<44 M	70.8 M	<44 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		3.48 M	<2 M	<2 M	<2 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 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		<10	<10	<10	<10	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		16.2	<10	<10	<10	<10	<10
Aliphatics >C8-C10	<10 µg/kg	TM089		23.2	12	45.2	<10	13.9	<10
Aliphatics >C10-C12	<10 µg/kg	TM089		36	19.2	28.6	<10	18.6	<10
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	430	285	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		2840	979	6810	1950	3850	2360
Aliphatics >C21-C35	<100 µg/kg	TM173		12700	5050	94900	8710	15100	21100
Aliphatics >C35-C44	<100 µg/kg	TM173		6250	1350	12800	4400	8080	12800
Total Aliphatics >C12-C44	<100 µg/kg	TM173		21800	7380	115000	15400	27000	36300
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		18.6	<10	30.9	<10	10.4	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089		24.4	13.2	19	<10	12.8	<10
Aromatics >EC12-EC16	<100 µg/kg	TM173		231	<100	<100	522	171	450
Aromatics >EC16-EC21	<100 µg/kg	TM173		2100	<100	3410	2820	6380	2380
Aromatics >EC21-EC35	<100 µg/kg	TM173		15100	2920	40900	15100	26400	28600
Aromatics >EC35-EC44	<100 µg/kg	TM173		13700	3880	14400	10100	14500	25300
Aromatics >EC40-EC44	<100 µg/kg	TM173		5870	1690	5400	4220	5570	10800
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		31100	6800	58700	28500	47500	56700
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		53000	14200	174000	43900	74600	93000

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	SMH - 61	SMH - 62	SMH - 63	SMH - 64	SMH - 65	SMH - 66
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-24	140517-24	140517-24	140517-24	140517-24	140517-24
			Lab Sample No.(s)	9299099	9299103	9299107	9299111	9299115	9299123
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		123	129	122	89	100	96
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<44 M	144 M	<44 M	<44 M	<44 M	<44 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	<2 M	<2 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 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		<10	12.8	<10	<10	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		<10	15.1	<10	<10	<10	<10
Aliphatics >C8-C10	<10 µg/kg	TM089		<10	24.4	<10	<10	<10	<10
Aliphatics >C10-C12	<10 µg/kg	TM089		<10	45.2	<10	<10	<10	<10
Aliphatics >C12-C16	<100 µg/kg	TM173		1930	1940	<100	<100	819	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		4820	4650	<100	<100	421	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		17400	16300	6240	4620	1680	8380
Aliphatics >C35-C44	<100 µg/kg	TM173		10800	10200	<100	<100	462	1670
Total Aliphatics >C12-C44	<100 µg/kg	TM173		34900	33200	6240	4620	3380	10100
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		<10	17.4	<10	<10	<10	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089		<10	30.2	<10	<10	<10	<10
Aromatics >EC12-EC16	<100 µg/kg	TM173		1780	849	<100	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		7390	3690	521	3770	<100	630
Aromatics >EC21-EC35	<100 µg/kg	TM173		35300	21600	5190	13600	<100	5970
Aromatics >EC35-EC44	<100 µg/kg	TM173		24700	20200	4790	5820	2610	1770
Aromatics >EC40-EC44	<100 µg/kg	TM173		10600	9330	2140	2470	1200	668
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		69100	46300	10500	23200	2610	8370
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		104000	79600	16700	27800	5990	18400

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

TPH CWG (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	SMH - 67	SMH - 68	SMH - 69	SMH - 70	SMH - 71	SMH - 72
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-24	140517-24	140517-24	140517-24	140517-24	140517-24
			Lab Sample No.(s)	9299128	9299132	9299136	9299143	9299147	9299151
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		94	101	115	99	91	129
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<44 M	<44 M	<44 M	<44 M	<44 M	<44 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	<2 M	<2 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 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		<10	<10	<10	<10	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C8-C10	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C10-C12	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	<100	<100	2180	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		2830	854	<100	<100	4780	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		6090	6580	1160	4310	23800	7400
Aliphatics >C35-C44	<100 µg/kg	TM173		1240	3090	<100	792	6210	2340
Total Aliphatics >C12-C44	<100 µg/kg	TM173		10200	10500	1160	5100	37000	9730
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC12-EC16	<100 µg/kg	TM173		450	<100	459	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		3690	680	3930	<100	512	1160
Aromatics >EC21-EC35	<100 µg/kg	TM173		12200	8790	12400	7640	8120	8430
Aromatics >EC35-EC44	<100 µg/kg	TM173		5410	6810	4270	5640	2420	4010
Aromatics >EC40-EC44	<100 µg/kg	TM173		2160	2930	1320	2260	585	905
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		21800	16300	21000	13300	11100	13600
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		31900	26800	22200	18400	48100	23300

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

TPH CWG (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	SMH - 73	SMH - 74	SMH - 77	SMH - 78	SMH - 79	SMH - 80
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-24	140517-24	140517-24	140517-24	140517-24	140517-24
			Lab Sample No.(s)	9299155	9299159	9299163	9299171	9299175	9299179
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		119	116	94	100	101	120
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<44 M	<44 M	<44 M	<44 M	<44 M	<44 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	<2 M	<2 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 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		<10	<10	<10	<10	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C8-C10	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C10-C12	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	1110	<100	<100	<100	2170
Aliphatics >C21-C35	<100 µg/kg	TM173		2510	4850	<100	<100	<100	3850
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	3860	<100	<100	<100	1500
Total Aliphatics >C12-C44	<100 µg/kg	TM173		2510	9820	<100	<100	<100	7520
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	491	<100	107	691
Aromatics >EC16-EC21	<100 µg/kg	TM173		932	1940	1040	<100	2030	6150
Aromatics >EC21-EC35	<100 µg/kg	TM173		3660	12400	1220	906	6690	18300
Aromatics >EC35-EC44	<100 µg/kg	TM173		2860	9100	3550	852	2210	11000
Aromatics >EC40-EC44	<100 µg/kg	TM173		1220	3850	1920	263	691	4980
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		7450	23500	6290	1760	11000	36100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		9970	33300	6300	1760	11000	43700

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

TPH CWG (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	SMH - 81	SMH - 82	SMH - 83	SMH - 84	SMH - 85	SMH - 86
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014	15/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-24	140517-24	140517-24	140517-24	140517-24	140517-24
			Lab Sample No.(s)	9299184	9299190	9299194	9299199	9299204	9299209
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		94	96	94	102	103	99
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<44 M	<44 M	<44 M	<44 M	<44 M	<44 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	<2 M	<2 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 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		<10	<10	<10	<10	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C8-C10	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C10-C12	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C12-C16	<100 µg/kg	TM173		7380	<100	<100	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		4930	<100	<100	<100	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		11100	4920	<100	747	2920	7020
Aliphatics >C35-C44	<100 µg/kg	TM173		2680	<100	<100	<100	1010	2040
Total Aliphatics >C12-C44	<100 µg/kg	TM173		26100	4920	<100	747	3930	9060
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	216	<100	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		1240	7280	<100	625	406	880
Aromatics >EC21-EC35	<100 µg/kg	TM173		9740	22700	<100	3090	4080	10100
Aromatics >EC35-EC44	<100 µg/kg	TM173		9210	11300	571	3340	3990	5040
Aromatics >EC40-EC44	<100 µg/kg	TM173		4370	4840	230	1410	1600	2050
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		20200	41500	571	7060	8480	16000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		46300	46400	572	7800	12400	25100

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	SMH - 87	SMH - 88	SMH - 89			
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00			
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid			
			Date Sampled	15/05/2014	15/05/2014	15/05/2014			
			Sample Time	.	.	.			
			Date Received	17/05/2014	17/05/2014	17/05/2014			
			SDG Ref	140517-24	140517-24	140517-24			
			Lab Sample No.(s)	9299214	9299223	9299228			
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		101	95	96			
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<44 M	<44 M	<44 M			
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M			
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M			
Toluene	<2 µg/kg	TM089		<2 M	<2 M	<2 M			
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M			
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M			
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 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		<10	<10	<10			
Aliphatics >C6-C8	<10 µg/kg	TM089		<10	<10	<10			
Aliphatics >C8-C10	<10 µg/kg	TM089		<10	<10	<10			
Aliphatics >C10-C12	<10 µg/kg	TM089		<10	<10	<10			
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	1100	<100			
Aliphatics >C16-C21	<100 µg/kg	TM173		1180	3610	2620			
Aliphatics >C21-C35	<100 µg/kg	TM173		11400	10200	14500			
Aliphatics >C35-C44	<100 µg/kg	TM173		5510	3130	11100			
Total Aliphatics >C12-C44	<100 µg/kg	TM173		18100	18100	28200			
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10			
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10			
Aromatics >EC8-EC10	<10 µg/kg	TM089		<10	<10	<10			
Aromatics >EC10-EC12	<10 µg/kg	TM089		<10	<10	<10			
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	152	1640			
Aromatics >EC16-EC21	<100 µg/kg	TM173		2050	2660	5310			
Aromatics >EC21-EC35	<100 µg/kg	TM173		16200	16600	27400			
Aromatics >EC35-EC44	<100 µg/kg	TM173		11100	11400	20700			
Aromatics >EC40-EC44	<100 µg/kg	TM173		4930	4830	8650			
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		29300	30800	55100			
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		47400	48900	83300			

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

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 Receieved SDG Original Sample Method Number	SMH - 1 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9298872 TM048	23/5/14	Laura Robbins	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SMH - 2 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9298920 TM048	23/5/14	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 Receieved SDG Original Sample Method Number	SMH - 3 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9298970 TM048	22/5/14	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 Receieved SDG Original Sample Method Number	SMH - 4 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299026 TM048	22/5/14	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 Receieved SDG Original Sample Method Number	SMH - 5 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299071 TM048	23/5/14	Laura Robbins	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

		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 Receieved SDG Original Sample Method Number	SMH - 6 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299119 TM048	23/5/14	Paul Fenney	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 Receieved SDG Original Sample Method Number	SMH - 7 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299167 TM048	23/5/14	Martin Cotterell	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 Receieved SDG Original Sample Method Number	SMH - 8 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299218 TM048	23/5/14	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 Receieved SDG Original Sample Method Number	SMH - 9 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299233 TM048	23/5/14	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 Receieved SDG Original Sample Method Number	SMH - 10 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9298876 TM048	23/5/14	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 Receieved SDG Original Sample Method Number	SMH - 11 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9298880 TM048	23/5/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

		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 Receieved SDG Original Sample Method Number	SMH - 12 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9298884 TM048	23/5/14	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 Receieved SDG Original Sample Method Number	SMH - 13 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9298888 TM048	23/5/14	Laura Robbins	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SMH - 14 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9298892 TM048	22/5/14	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 Receieved SDG Original Sample Method Number	SMH - 17 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9298896 TM048	23/05/14	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 Receieved SDG Original Sample Method Number	SMH - 18 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9298903 TM048	23/05/14	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 Receieved SDG Original Sample Method Number	SMH - 19 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9298907 TM048	23/05/14	Martin Cotterell	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

		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 Receieved SDG Original Sample Method Number	SMH - 20 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9298912 TM048	23/05/14	Laura Robbins	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SMH - 21 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9298916 TM048	23/5/14	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 Receieved SDG Original Sample Method Number	SMH - 22 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9298924 TM048	23/05/14	Martin Cotterell	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SMH - 23 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9298928 TM048	23/05/14	Laura Robbins	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SMH - 24 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9298932 TM048	23/05/14	Laura Robbins	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SMH - 25 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9298936 TM048	23/5/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

		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 Receieved SDG Original Sample Method Number	SMH - 26 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9298941 TM048	23/05/14	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 Receieved SDG Original Sample Method Number	SMH - 27 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9298945 TM048	23/05/14	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 Receieved SDG Original Sample Method Number	SMH - 28 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9298954 TM048	23/05/14	Martin Cotterell	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SMH - 29 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9298958 TM048	23/05/14	Martin Cotterell	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 Receieved SDG Original Sample Method Number	SMH - 30 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9298962 TM048	23/05/14	Martin Cotterell	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SMH - 31 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9298966 TM048	23/05/14	Laura Robbins	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

		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 Receieved SDG Original Sample Method Number	SMH - 32 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9298975 TM048	23/5/14	Lauren Sargeant	Loose fibres in soil	Not Detected (#)	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SMH - 33 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9298980 TM048	23/5/14	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 Receieved SDG Original Sample Method Number	SMH - 34 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9298985 TM048	22/5/14	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 Receieved SDG Original Sample Method Number	SMH - 35 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9298990 TM048	23/05/14	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 Receieved SDG Original Sample Method Number	SMH - 36 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9298995 TM048	23/05/14	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 Receieved SDG Original Sample Method Number	SMH - 37 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299000 TM048	23/05/14	Laura Robbins	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

		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 Receieved SDG Original Sample Method Number	SMH - 38 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299005 TM048	23/05/14	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 Receieved SDG Original Sample Method Number	SMH - 39 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299011 TM048	23/05/14	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 Receieved SDG Original Sample Method Number	SMH - 40 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299015 TM048	23/05/14	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 Receieved SDG Original Sample Method Number	SMH - 41 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299019 TM048	23/05/14	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 Receieved SDG Original Sample Method Number	SMH - 42 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299031 TM048	23/05/14	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 Receieved SDG Original Sample Method Number	SMH - 43 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299035 TM048	23/05/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

		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 Receieved SDG Original Sample Method Number	SMH - 48 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299039 TM048	23/05/14	Kevin Bowron	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SMH - 49 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299043 TM048	23/05/14	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 Receieved SDG Original Sample Method Number	SMH - 50 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299047 TM048	23/05/14	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 Receieved SDG Original Sample Method Number	SMH - 51 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299051 TM048	22/05/14	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 Receieved SDG Original Sample Method Number	SMH - 52 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299055 TM048	23/05/14	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 Receieved SDG Original Sample Method Number	SMH - 53 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299059 TM048	23/05/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

		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 Receieved SDG Original Sample Method Number	SMH - 54 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299063 TM048	23/05/14	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 Receieved SDG Original Sample Method Number	SMH - 55 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299067 TM048	23/05/14	Martin Cotterell	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SMH - 56 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299075 TM048	23/05/14	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 Receieved SDG Original Sample Method Number	SMH - 57 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299079 TM048	23/05/14	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 Receieved SDG Original Sample Method Number	SMH - 58 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299083 TM048	23/05/14	Chris Swindells	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 Receieved SDG Original Sample Method Number	SMH - 59 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299087 TM048	23/05/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

		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 Receieved SDG Original Sample Method Number	SMH - 60 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299091 TM048	23/5/14	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 Receieved SDG Original Sample Method Number	SMH - 61 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299099 TM048	23/5/14	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 Receieved SDG Original Sample Method Number	SMH - 62 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299103 TM048	23/5/14	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 Receieved SDG Original Sample Method Number	SMH - 63 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299107 TM048	23/5/14	Martin Cotterell	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 Receieved SDG Original Sample Method Number	SMH - 64 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299111 TM048	23/5/14	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 Receieved SDG Original Sample Method Number	SMH - 65 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299115 TM048	23/5/14	Martin Cotterell	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

		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 Receieved SDG Original Sample Method Number	SMH - 66 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299123 TM048	23/5/14	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 Receieved SDG Original Sample Method Number	SMH - 67 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299128 TM048	23/5/14	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 Receieved SDG Original Sample Method Number	SMH - 68 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299132 TM048	23/05/14	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 Receieved SDG Original Sample Method Number	SMH - 69 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299136 TM048	23/05/14	Laura Robbins	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 Receieved SDG Original Sample Method Number	SMH - 70 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299143 TM048	23/05/14	Laura Robbins	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SMH - 71 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299147 TM048	23/05/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

		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 Receieved SDG Original Sample Method Number	SMH - 72 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299151 TM048	23/05/14	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 Receieved SDG Original Sample Method Number	SMH - 73 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299155 TM048	23/05/14	Laura Robbins	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SMH - 74 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299159 TM048	23/5/14	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 Receieved SDG Original Sample Method Number	SMH - 77 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299163 TM048	23/5/14	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 Receieved SDG Original Sample Method Number	SMH - 78 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299171 TM048	23/5/14	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 Receieved SDG Original Sample Method Number	SMH - 79 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299175 TM048	23/5/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

		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 Receieved SDG Original Sample Method Number	SMH - 80 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299179 TM048	23/5/14	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 Receieved SDG Original Sample Method Number	SMH - 81 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299184 TM048	23/5/14	Martin Cotterell	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SMH - 82 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299190 TM048	23/5/14	Martin Cotterell	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SMH - 83 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299194 TM048	23/5/14	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 Receieved SDG Original Sample Method Number	SMH - 84 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299199 TM048	23/5/14	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 Receieved SDG Original Sample Method Number	SMH - 85 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299204 TM048	23/5/14	Lauren Sargeant	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

		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 Receieved SDG Original Sample Method Number	SMH - 86 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299209 TM048	23/5/14	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 Receieved SDG Original Sample Method Number	SMH - 87 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299214 TM048	23/5/14	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 Receieved SDG Original Sample Method Number	SMH - 88 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299223 TM048	23/5/14	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 Receieved SDG Original Sample Method Number	SMH - 89 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299228 TM048	23/5/14	Lauren Sargeant	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

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 Receieved SDG Original Sample Method Number	SMH - 6 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299119 TM 304	Chrysotile (Loose fibres in soil/ACM debris) (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SMH - 7 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299167 TM 304	None (#)	N/C	0.0014 (#)	<0.001 (#)	0.0019 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SMH - 8 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299218 TM 304	None (#)	N/C	0.0011 (#)	<0.001 (#)	0.0016 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SMH - 29 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9298958 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SMH - 32 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9298975 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

		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 Receieved SDG Original Sample Method Number	SMH - 58 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299083 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SMH - 63 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299107 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SMH - 67 0.00 - 0.00 SOLID 15/05/2014 00:00:00 140517-24 9299128 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

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.

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

Test Completion Dates

Lab Sample No(s)	9298872	9298920	9298970	9299026	9299071	9299119	9299167	9299218	9299233	9298876
Customer Sample Ref.	SMH - 1	SMH - 2	SMH - 3	SMH - 4	SMH - 5	SMH - 6	SMH - 7	SMH - 8	SMH - 9	SMH - 10
AGS Ref.										
Depth	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	0.00 - 0.00	0.00 - 0.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014
Asbestos Quantification - Full						09-Jun-2014	09-Jun-2014	09-Jun-2014		
EPH CWG (Aliphatic) GC (S)	22-May-2014	22-May-2014	23-May-2014	22-May-2014	22-May-2014	23-May-2014	24-May-2014	24-May-2014	22-May-2014	22-May-2014
EPH CWG (Aromatic) GC (S)	22-May-2014	22-May-2014	23-May-2014	22-May-2014	22-May-2014	23-May-2014	24-May-2014	24-May-2014	22-May-2014	22-May-2014
GRO by GC-FID (S)	24-May-2014	24-May-2014	24-May-2014	24-May-2014	24-May-2014	24-May-2014	24-May-2014	24-May-2014	24-May-2014	24-May-2014
Metals in solid samples by OES	22-May-2014	27-May-2014	27-May-2014	27-May-2014	27-May-2014	27-May-2014	27-May-2014	27-May-2014	27-May-2014	27-May-2014
PAH by GCMS	27-May-2014	24-May-2014	24-May-2014	24-May-2014	24-May-2014	27-May-2014	27-May-2014	23-May-2014	24-May-2014	24-May-2014
pH	21-May-2014	20-May-2014	20-May-2014	20-May-2014	21-May-2014	20-May-2014	21-May-2014	20-May-2014	20-May-2014	20-May-2014
Sample description	19-May-2014	20-May-2014	20-May-2014	20-May-2014	20-May-2014	20-May-2014	20-May-2014	20-May-2014	20-May-2014	20-May-2014
Total Organic Carbon	22-May-2014	27-May-2014	27-May-2014	27-May-2014	27-May-2014	27-May-2014	28-May-2014	28-May-2014	27-May-2014	27-May-2014
TPH CWG GC (S)	24-May-2014	24-May-2014	24-May-2014	24-May-2014	24-May-2014	24-May-2014	24-May-2014	24-May-2014	24-May-2014	24-May-2014

Lab Sample No(s)	9298880	9298884	9298888	9298892	9298896	9298903	9298907	9298912	9298916	9298924
Customer Sample Ref.	SMH - 11	SMH - 12	SMH - 13	SMH - 14	SMH - 17	SMH - 18	SMH - 19	SMH - 20	SMH - 21	SMH - 22
AGS Ref.										
Depth	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	0.00 - 0.00	0.00 - 0.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014
EPH CWG (Aliphatic) GC (S)	22-May-2014	22-May-2014	22-May-2014	22-May-2014	23-May-2014	22-May-2014	22-May-2014	23-May-2014	23-May-2014	23-May-2014
EPH CWG (Aromatic) GC (S)	22-May-2014	22-May-2014	22-May-2014	22-May-2014	23-May-2014	22-May-2014	22-May-2014	23-May-2014	23-May-2014	23-May-2014
GRO by GC-FID (S)	24-May-2014	27-May-2014	27-May-2014	27-May-2014	27-May-2014	27-May-2014	27-May-2014	24-May-2014	24-May-2014	24-May-2014
Metals in solid samples by OES	23-May-2014	23-May-2014	27-May-2014	23-May-2014	27-May-2014	23-May-2014	27-May-2014	27-May-2014	27-May-2014	27-May-2014
PAH by GCMS	24-May-2014	24-May-2014	24-May-2014	24-May-2014	24-May-2014	23-May-2014	23-May-2014	24-May-2014	23-May-2014	24-May-2014
pH	20-May-2014	20-May-2014	21-May-2014	20-May-2014	21-May-2014	21-May-2014	21-May-2014	21-May-2014	21-May-2014	21-May-2014
Sample description	20-May-2014	20-May-2014	20-May-2014	20-May-2014	20-May-2014	20-May-2014	20-May-2014	20-May-2014	20-May-2014	20-May-2014
Total Organic Carbon	27-May-2014	27-May-2014	27-May-2014	27-May-2014	28-May-2014	27-May-2014	28-May-2014	28-May-2014	28-May-2014	28-May-2014
TPH CWG GC (S)	24-May-2014	27-May-2014	27-May-2014	27-May-2014	27-May-2014	27-May-2014	27-May-2014	24-May-2014	24-May-2014	24-May-2014

Lab Sample No(s)	9298928	9298932	9298936	9298941	9298945	9298954	9298958	9298962	9298966	9298975
Customer Sample Ref.	SMH - 23	SMH - 24	SMH - 25	SMH - 26	SMH - 27	SMH - 28	SMH - 29	SMH - 30	SMH - 31	SMH - 32
AGS Ref.										
Depth	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	0.00 - 0.00	0.00 - 0.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014
Asbestos Quantification - Full							09-Jun-2014			09-Jun-2014
EPH CWG (Aliphatic) GC (S)	23-May-2014	28-May-2014	28-May-2014	22-May-2014	23-May-2014	22-May-2014	23-May-2014	24-May-2014	23-May-2014	22-May-2014
EPH CWG (Aromatic) GC (S)	23-May-2014	28-May-2014	28-May-2014	22-May-2014	23-May-2014	22-May-2014	23-May-2014	24-May-2014	23-May-2014	22-May-2014
GRO by GC-FID (S)	24-May-2014	24-May-2014	24-May-2014	27-May-2014	24-May-2014	24-May-2014	24-May-2014	24-May-2014	27-May-2014	24-May-2014
Metals in solid samples by OES	27-May-2014	27-May-2014	23-May-2014	27-May-2014	27-May-2014	27-May-2014	27-May-2014	27-May-2014	27-May-2014	27-May-2014
PAH by GCMS	24-May-2014	28-May-2014	28-May-2014	23-May-2014	24-May-2014	23-May-2014	27-May-2014	24-May-2014	27-May-2014	23-May-2014
pH	21-May-2014	21-May-2014	21-May-2014	21-May-2014	21-May-2014	21-May-2014	21-May-2014	21-May-2014	21-May-2014	21-May-2014
Sample description	20-May-2014	19-May-2014	19-May-2014	20-May-2014	20-May-2014	20-May-2014	20-May-2014	20-May-2014	20-May-2014	20-May-2014
Total Organic Carbon	28-May-2014	28-May-2014	27-May-2014	28-May-2014	28-May-2014	28-May-2014	28-May-2014	28-May-2014	28-May-2014	28-May-2014
TPH CWG GC (S)	24-May-2014	28-May-2014	28-May-2014	27-May-2014	24-May-2014	24-May-2014	24-May-2014	24-May-2014	27-May-2014	24-May-2014

Lab Sample No(s)	9298980	9298985	9298990	9298995	9299000	9299005	9299011	9299015	9299019	9299031
Customer Sample Ref.	SMH - 33	SMH - 34	SMH - 35	SMH - 36	SMH - 37	SMH - 38	SMH - 39	SMH - 40	SMH - 41	SMH - 42
AGS Ref.										
Depth	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	0.00 - 0.00	0.00 - 0.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014
EPH CWG (Aliphatic) GC (S)	22-May-2014	22-May-2014	22-May-2014	27-May-2014	22-May-2014	22-May-2014	24-May-2014	22-May-2014	22-May-2014	22-May-2014
EPH CWG (Aromatic) GC (S)	22-May-2014	22-May-2014	22-May-2014	27-May-2014	22-May-2014	22-May-2014	24-May-2014	22-May-2014	22-May-2014	22-May-2014
GRO by GC-FID (S)	24-May-2014	27-May-2014	27-May-2014	25-May-2014	25-May-2014	25-May-2014	25-May-2014	25-May-2014	27-May-2014	25-May-2014
Metals in solid samples by OES	23-May-2014	27-May-2014	27-May-2014	27-May-2014	23-May-2014	28-May-2014	27-May-2014	27-May-2014	23-May-2014	23-May-2014
PAH by GCMS	27-May-2014	27-May-2014	23-May-2014	23-May-2014	24-May-2014	23-May-2014	24-May-2014	27-May-2014	23-May-2014	24-May-2014
pH	21-May-2014	21-May-2014	21-May-2014	21-May-2014	22-May-2014	22-May-2014	21-May-2014	21-May-2014	22-May-2014	22-May-2014
Sample description	20-May-2014	19-May-2014	20-May-2014	20-May-2014	20-May-2014	20-May-2014	20-May-2014	20-May-2014	20-May-2014	20-May-2014
Total Organic Carbon	27-May-2014	27-May-2014	28-May-2014	28-May-2014	27-May-2014	28-May-2014	28-May-2014	28-May-2014	27-May-2014	27-May-2014
TPH CWG GC (S)	24-May-2014	27-May-2014	27-May-2014	27-May-2014	25-May-2014	25-May-2014	25-May-2014	25-May-2014	27-May-2014	25-May-2014

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

Lab Sample No(s)	9299035	9299039	9299043	9299047	9299051	9299055	9299059	9299063	9299067	9299075
Customer Sample Ref.	SMH - 43	SMH - 48	SMH - 49	SMH - 50	SMH - 51	SMH - 52	SMH - 53	SMH - 54	SMH - 55	SMH - 56
AGS Ref.										
Depth	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	0.00 - 0.00	0.00 - 0.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014
EPH CWG (Aliphatic) GC (S)	23-May-2014	21-May-2014	23-May-2014	23-May-2014	21-May-2014	21-May-2014	21-May-2014	27-May-2014	21-May-2014	27-May-2014
EPH CWG (Aromatic) GC (S)	23-May-2014	21-May-2014	23-May-2014	23-May-2014	21-May-2014	21-May-2014	21-May-2014	27-May-2014	21-May-2014	27-May-2014
GRO by GC-FID (S)	27-May-2014	25-May-2014	27-May-2014	25-May-2014	25-May-2014	25-May-2014	25-May-2014	25-May-2014	25-May-2014	25-May-2014
Metals in solid samples by OES	27-May-2014	28-May-2014	23-May-2014	27-May-2014	28-May-2014	28-May-2014	28-May-2014	27-May-2014	22-May-2014	27-May-2014
PAH by GCMS	24-May-2014	23-May-2014	23-May-2014	27-May-2014	23-May-2014	23-May-2014	23-May-2014	27-May-2014	23-May-2014	27-May-2014
pH	22-May-2014	22-May-2014	21-May-2014	21-May-2014	21-May-2014	22-May-2014	22-May-2014	22-May-2014	22-May-2014	21-May-2014
Sample description	20-May-2014	19-May-2014	20-May-2014	20-May-2014	20-May-2014	19-May-2014	19-May-2014	20-May-2014	20-May-2014	20-May-2014
Total Organic Carbon	28-May-2014	28-May-2014	27-May-2014	27-May-2014	28-May-2014	28-May-2014	28-May-2014	27-May-2014	27-May-2014	27-May-2014
TPH CWG GC (S)	27-May-2014	25-May-2014	27-May-2014	25-May-2014	25-May-2014	25-May-2014	25-May-2014	27-May-2014	25-May-2014	27-May-2014

Lab Sample No(s)	9299079	9299083	9299087	9299091	9299099	9299103	9299107	9299111	9299115	9299123
Customer Sample Ref.	SMH - 57	SMH - 58	SMH - 59	SMH - 60	SMH - 61	SMH - 62	SMH - 63	SMH - 64	SMH - 65	SMH - 66
AGS Ref.										
Depth	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	0.00 - 0.00	0.00 - 0.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014
Asbestos Quantification - Full		09-Jun-2014					09-Jun-2014			
EPH CWG (Aliphatic) GC (S)	22-May-2014	21-May-2014	23-May-2014	21-May-2014	21-May-2014	21-May-2014	21-May-2014	22-May-2014	22-May-2014	22-May-2014
EPH CWG (Aromatic) GC (S)	22-May-2014	21-May-2014	23-May-2014	21-May-2014	21-May-2014	21-May-2014	21-May-2014	22-May-2014	22-May-2014	22-May-2014
GRO by GC-FID (S)	25-May-2014	25-May-2014	25-May-2014	27-May-2014	27-May-2014	27-May-2014	27-May-2014	24-May-2014	25-May-2014	25-May-2014
Metals in solid samples by OES	27-May-2014	28-May-2014	23-May-2014	22-May-2014	28-May-2014	28-May-2014	27-May-2014	28-May-2014	27-May-2014	28-May-2014
PAH by GCMS	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	27-May-2014	23-May-2014	27-May-2014	23-May-2014
pH	22-May-2014	21-May-2014	21-May-2014	21-May-2014	21-May-2014	20-May-2014	20-May-2014	21-May-2014	20-May-2014	21-May-2014
Sample description	20-May-2014	19-May-2014	20-May-2014	19-May-2014	19-May-2014	20-May-2014	19-May-2014	19-May-2014	19-May-2014	19-May-2014
Total Organic Carbon	27-May-2014	28-May-2014	27-May-2014	27-May-2014	28-May-2014	28-May-2014	27-May-2014	28-May-2014	27-May-2014	28-May-2014
TPH CWG GC (S)	25-May-2014	25-May-2014	25-May-2014	27-May-2014	27-May-2014	27-May-2014	27-May-2014	24-May-2014	25-May-2014	25-May-2014

Lab Sample No(s)	9299128	9299132	9299136	9299143	9299147	9299151	9299155	9299159	9299163	9299171
Customer Sample Ref.	SMH - 67	SMH - 68	SMH - 69	SMH - 70	SMH - 71	SMH - 72	SMH - 73	SMH - 74	SMH - 77	SMH - 78
AGS Ref.										
Depth	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	0.00 - 0.00	0.00 - 0.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014
Asbestos Quantification - Full	06-Jun-2014									
EPH CWG (Aliphatic) GC (S)	22-May-2014	22-May-2014	28-May-2014	22-May-2014	21-May-2014	21-May-2014	21-May-2014	22-May-2014	24-May-2014	22-May-2014
EPH CWG (Aromatic) GC (S)	22-May-2014	22-May-2014	28-May-2014	22-May-2014	21-May-2014	21-May-2014	21-May-2014	22-May-2014	24-May-2014	22-May-2014
GRO by GC-FID (S)	25-May-2014	24-May-2014	25-May-2014	27-May-2014	24-May-2014	27-May-2014	27-May-2014	27-May-2014	25-May-2014	25-May-2014
Metals in solid samples by OES	27-May-2014	27-May-2014	27-May-2014	28-May-2014	27-May-2014	27-May-2014	28-May-2014	23-May-2014	27-May-2014	27-May-2014
PAH by GCMS	23-May-2014	23-May-2014	28-May-2014	23-May-2014	24-May-2014	24-May-2014	23-May-2014	27-May-2014	27-May-2014	23-May-2014
pH	20-May-2014	21-May-2014	21-May-2014	21-May-2014	21-May-2014	21-May-2014	21-May-2014	20-May-2014	21-May-2014	21-May-2014
Sample description	19-May-2014	19-May-2014	19-May-2014	19-May-2014	19-May-2014	19-May-2014	19-May-2014	19-May-2014	20-May-2014	19-May-2014
Total Organic Carbon	28-May-2014	27-May-2014	28-May-2014	28-May-2014	27-May-2014	27-May-2014	28-May-2014	27-May-2014	27-May-2014	28-May-2014
TPH CWG GC (S)	25-May-2014	24-May-2014	28-May-2014	27-May-2014	24-May-2014	27-May-2014	27-May-2014	27-May-2014	25-May-2014	25-May-2014

Lab Sample No(s)	9299175	9299179	9299184	9299190	9299194	9299199	9299204	9299209	9299214	9299223
Customer Sample Ref.	SMH - 79	SMH - 80	SMH - 81	SMH - 82	SMH - 83	SMH - 84	SMH - 85	SMH - 86	SMH - 87	SMH - 88
AGS Ref.										
Depth	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	0.00 - 0.00	0.00 - 0.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014
EPH CWG (Aliphatic) GC (S)	22-May-2014	22-May-2014	22-May-2014	22-May-2014	22-May-2014	28-May-2014	28-May-2014	22-May-2014	22-May-2014	22-May-2014
EPH CWG (Aromatic) GC (S)	22-May-2014	22-May-2014	22-May-2014	22-May-2014	22-May-2014	28-May-2014	28-May-2014	22-May-2014	22-May-2014	22-May-2014
GRO by GC-FID (S)	25-May-2014	25-May-2014	25-May-2014	25-May-2014	25-May-2014	25-May-2014	25-May-2014	25-May-2014	25-May-2014	25-May-2014
Metals in solid samples by OES	28-May-2014	28-May-2014	27-May-2014	27-May-2014	28-May-2014	27-May-2014	27-May-2014	28-May-2014	28-May-2014	28-May-2014
PAH by GCMS	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	28-May-2014	28-May-2014	23-May-2014	27-May-2014	23-May-2014
pH	21-May-2014	21-May-2014	21-May-2014	21-May-2014	21-May-2014	21-May-2014	21-May-2014	21-May-2014	21-May-2014	21-May-2014
Sample description	19-May-2014	19-May-2014	19-May-2014	19-May-2014	19-May-2014	19-May-2014	19-May-2014	19-May-2014	19-May-2014	19-May-2014
Total Organic Carbon	28-May-2014	28-May-2014	27-May-2014	27-May-2014	27-May-2014	28-May-2014	28-May-2014	27-May-2014	28-May-2014	28-May-2014
TPH CWG GC (S)	25-May-2014	25-May-2014	25-May-2014	25-May-2014	25-May-2014	28-May-2014	28-May-2014	25-May-2014	25-May-2014	25-May-2014

CERTIFICATE OF ANALYSIS

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

Lab Sample No(s)	9299228
Customer Sample Ref.	SMH - 89
AGS Ref.	
Depth	0.00 - 0.00
Type	SOLID

Asbestos ID in Solid Samples	23-May-2014
EPH CWG (Aliphatic) GC (S)	28-May-2014
EPH CWG (Aromatic) GC (S)	28-May-2014
GRO by GC-FID (S)	25-May-2014
Metals in solid samples by OES	28-May-2014
PAH by GCMS	23-May-2014
pH	21-May-2014
Sample description	19-May-2014
Total Organic Carbon	28-May-2014
TPH CWG GC (S)	28-May-2014

SDG:	140517-24	**Location:**	Coed Darcy	**Order Number:**	CD0677
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272881
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271354

Appendix
General

1. Results are expressed on a dry weight basis (dried at 35ºC) 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 Dimethyphenol, 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 presevation 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.

ALcontrol Laboratories

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

Attention: Jack Lowrie

CERTIFICATE OF ANALYSIS

Date:	10 June 2014
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	140517-16
Your Reference:	Phase 2 validation
Location:	Coed Darcy
Report No:	272880

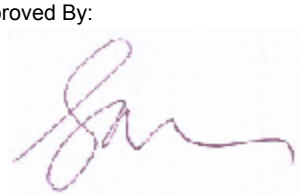
This report has been revised and directly supersedes 271361 in its entirety.

We received 31 samples on Saturday May 17, 2014 and 31 of these samples were scheduled for analysis which was completed on Monday June 09, 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

Alcontrol Laboratories is a trading division of ALcontrol UK Limited
Registered Office: Units 7 & 8 Hawarden Business Park, Manor Road, Hawarden, Deeside, CH5 3US. Registered in England and Wales No.

CERTIFICATE OF ANALYSIS

SDG:	140517-16	**Location:**	Coed Darcy	**Order Number:**	CD0679
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272880
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271361

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
9298558	SMH-90		0.00 - 0.00	16/05/2014
9298602	SMH-91		0.00 - 0.00	16/05/2014
9298646	SMH-92		0.00 - 0.00	16/05/2014
9298658	SMH-93		0.00 - 0.00	16/05/2014
9298662	SMH-94		0.00 - 0.00	16/05/2014
9298666	SMH-95		0.00 - 0.00	16/05/2014
9298670	SMH-96		0.00 - 0.00	16/05/2014
9298674	SMH-97		0.00 - 0.00	16/05/2014
9298678	SMH-98		0.00 - 0.00	16/05/2014
9298562	SMH-99		0.00 - 0.00	16/05/2014
9298566	SMH-100		0.00 - 0.00	16/05/2014
9298570	SMH-101		0.00 - 0.00	16/05/2014
9298574	SMH-102		0.00 - 0.00	16/05/2014
9298578	SMH-103		0.00 - 0.00	16/05/2014
9298582	SMH-104		0.00 - 0.00	16/05/2014
9298586	SMH-105		0.00 - 0.00	16/05/2014
9298590	SMH-106		0.00 - 0.00	16/05/2014
9298594	SMH-107		0.00 - 0.00	16/05/2014
9298598	SMH-108		0.00 - 0.00	16/05/2014
9298606	SMH-109		0.00 - 0.00	16/05/2014
9298610	SMH-110		0.00 - 0.00	16/05/2014
9298614	SMH-111		0.00 - 0.00	16/05/2014
9298618	SMH-112		0.00 - 0.00	16/05/2014
9298622	SMH-113		0.00 - 0.00	16/05/2014
9298626	SMH-114		0.00 - 0.00	16/05/2014
9298630	SMH-115		0.00 - 0.00	16/05/2014
9298634	SMH-116		0.00 - 0.00	16/05/2014
9298638	SMH-117		0.00 - 0.00	16/05/2014
9298642	SMH-118		0.00 - 0.00	16/05/2014
9298650	SMH-119		0.00 - 0.00	16/05/2014
9298654	SMH-120		0.00 - 0.00	16/05/2014

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

ALcontrol Laboratories

CERTIFICATE OF ANALYSIS

Validated

SDG:	140517-16	**Location:**	Coed Darcy	**Order Number:**	CD0679
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272880
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271361

SOLID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)			9298558			9298602			9298646			9298658			9298662			9298666			9298670			9298674			9298678			9298562			9298566			9298570			9298574			9298578
Customer Sample Reference			SMH-90			SMH-91			SMH-92			SMH-93			SMH-94			SMH-95			SMH-96			SMH-97			SMH-98			SMH-99			SMH-100			SMH-101			SMH-102			SMH-103
AGS Reference																																										
Depth (m)			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			0.00 - 0.00			0.00 - 0.00			0.00 - 0.00			0.00 - 0.00			0.00 - 0.00			0.00 - 0.00
Container			250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 31		X			X			X			X			X			X			X			X			X			X			X			X			X		
Asbestos Quantification - Full	All	NDPs: 0 Tests: 1																													X											
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 31	X			X			X			X			X			X			X			X			X			X			X			X			X			X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 31	X			X			X			X			X			X			X			X			X			X			X			X			X			X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 31			X			X			X			X			X			X			X			X			X			X			X			X			X	
Metals in solid samples by OES	All	NDPs: 0 Tests: 31	X			X			X			X			X			X			X			X			X			X			X			X			X			X
PAH by GCMS	All	NDPs: 0 Tests: 31	X			X			X			X			X			X			X			X			X			X			X			X			X			X
pH	All	NDPs: 0 Tests: 31		X			X			X			X			X			X			X			X			X			X			X			X			X		
Sample description	All	NDPs: 0 Tests: 31	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Total Organic Carbon	All	NDPs: 0 Tests: 31	X			X			X			X			X			X			X			X			X			X			X			X			X			X
TPH CWG GC (S)	All	NDPs: 0 Tests: 31	X			X			X			X			X			X			X			X			X			X			X			X			X			X

05:32:30 10/06/2014

CERTIFICATE OF ANALYSIS

SDG:	140517-16	**Location:**	Coed Darcy	**Order Number:**	CD0679
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272880
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271361

SOLID

Results Legend

- X — Test
- N — No Determination Possible

	Lab Sample No(s)		9298578		9298582			9298586			9298590			9298594			9298598			9298606			9298610			9298614			9298618			9298622			9298626			9298630			9298634	
	Customer Sample Reference		SMH-103		SMH-104			SMH-105			SMH-106			SMH-107			SMH-108			SMH-109			SMH-110			SMH-111			SMH-112			SMH-113			SMH-114			SMH-115			SMH-116	
	AGS Reference																																									
	Depth (m)		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			0.00 - 0.00			0.00 - 0.00			0.00 - 0.00			0.00 - 0.00			0.00 - 0.00			0.00 - 0.00	
	Container		400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 31	X			X			X			X			X			X			X			X			X			X			X			X			X			X
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 31			X			X			X			X			X			X			X			X			X			X			X			X			X			X	
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 31			X			X			X			X			X			X			X			X			X			X			X			X			X			X	
GRO by GC-FID (S)	All	NDPs: 0 Tests: 31		X			X			X			X			X			X			X			X			X			X			X			X			X		
Metals in solid samples by OES	All	NDPs: 0 Tests: 31			X			X			X			X			X			X			X			X			X			X			X			X			X			X	
PAH by GCMS	All	NDPs: 0 Tests: 31			X			X			X			X			X			X			X			X			X			X			X			X			X			X	
pH	All	NDPs: 0 Tests: 31	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Sample description	All	NDPs: 0 Tests: 31			X			X			X			X			X			X			X			X			X			X			X			X			X			X	
Total Organic Carbon	All	NDPs: 0 Tests: 31			X			X			X			X			X			X			X			X			X			X			X			X			X			X	
TPH CWG GC (S)	All	NDPs: 0 Tests: 31			X			X			X			X			X			X			X			X			X			X			X			X			X			X	

SDG:	140517-16	**Location:**	Coed Darcy	**Order Number:**	CD0679
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272880
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271361

SOLID

Results Legend

- X — Test
- N — No Determination Possible

Lab Sample No(s)			9298634			9298638			9298642			9298650			9298654
Customer Sample Reference			SMH-116			SMH-117			SMH-118			SMH-119			SMH-120
AGS Reference															
Depth (m)			0.00 - 0.00			0.00 - 0.00			0.00 - 0.00			0.00 - 0.00			0.00 - 0.00
Container			60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 31			X			X			X			X	
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 31		X			X			X			X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 31		X			X			X			X		
GRO by GC-FID (S)	All	NDPs: 0 Tests: 31	X			X			X			X			X
Metals in solid samples by OES	All	NDPs: 0 Tests: 31		X			X			X			X		
PAH by GCMS	All	NDPs: 0 Tests: 31		X			X			X			X		
pH	All	NDPs: 0 Tests: 31			X			X			X			X	
Sample description	All	NDPs: 0 Tests: 31		X			X			X			X		
Total Organic Carbon	All	NDPs: 0 Tests: 31		X			X			X			X		
TPH CWG GC (S)	All	NDPs: 0 Tests: 31		X			X			X			X		

CERTIFICATE OF ANALYSIS

SDG:	140517-16	**Location:**	Coed Darcy	**Order Number:**	CD0679
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272880
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271361

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
9298558	SMH-90	0.00 - 0.00	Red	Silty Clay Loam	<0.063 mm	Stones	N/A
9298602	SMH-91	0.00 - 0.00	Orange	Silty Clay Loam	<0.063 mm	Stones	N/A
9298646	SMH-92	0.00 - 0.00	Red	Silty Clay Loam	<0.063 mm	Brick	Stones
9298658	SMH-93	0.00 - 0.00	Red	Silty Clay Loam	<0.063 mm	Stones	N/A
9298662	SMH-94	0.00 - 0.00	Light Brown	Sandy Clay	0.1 - 2 mm	Crushed Brick	Stones
9298666	SMH-95	0.00 - 0.00	Light Brown	Silty Clay	0.063 - 0.1 mm	Stones	None
9298670	SMH-96	0.00 - 0.00	Light Brown	Silty Clay	0.063 - 0.1 mm	Stones	None
9298674	SMH-97	0.00 - 0.00	Light Brown	Silty Clay	0.063 - 0.1 mm	Stones	None
9298678	SMH-98	0.00 - 0.00	Red	Silty Clay Loam	<0.063 mm	Brick	Stones
9298562	SMH-99	0.00 - 0.00	Light Brown	Silty Clay	0.063 - 0.1 mm	Stones	Vegetation
9298566	SMH-100	0.00 - 0.00	Light Brown	Silty Clay	0.063 - 0.1 mm	Stones	None
9298570	SMH-101	0.00 - 0.00	Light Brown	Silty Clay	0.063 - 0.1 mm	Stones	Vegetation
9298574	SMH-102	0.00 - 0.00	Light Brown	Silty Clay	0.063 - 0.1 mm	Stones	None
9298578	SMH-103	0.00 - 0.00	Light Brown	Silty Clay	0.063 - 0.1 mm	Stones	None
9298582	SMH-104	0.00 - 0.00	Light Brown	Silty Clay	0.063 - 0.1 mm	Stones	None
9298586	SMH-105	0.00 - 0.00	Red	Silty Clay Loam	<0.063 mm	Stones	N/A
9298590	SMH-106	0.00 - 0.00	Red	Silty Clay Loam	<0.063 mm	Stones	N/A
9298594	SMH-107	0.00 - 0.00	Red	Silty Clay Loam	<0.063 mm	Stones	N/A
9298598	SMH-108	0.00 - 0.00	Red	Silty Clay Loam	<0.063 mm	Brick	Stones
9298606	SMH-109	0.00 - 0.00	Red	Silty Clay Loam	<0.063 mm	Brick	Stones
9298610	SMH-110	0.00 - 0.00	Red	Silty Clay Loam	<0.063 mm	Stones	N/A
9298614	SMH-111	0.00 - 0.00	Light Brown	Silty Clay	0.063 - 0.1 mm	Stones	None
9298618	SMH-112	0.00 - 0.00	Red	Silty Clay Loam	<0.063 mm	Stones	N/A
9298622	SMH-113	0.00 - 0.00	Red	Silty Clay Loam	<0.063 mm	Stones	N/A
9298626	SMH-114	0.00 - 0.00	Red	Silty Clay Loam	<0.063 mm	Brick	Stones
9298630	SMH-115	0.00 - 0.00	Red	Silty Clay Loam	<0.063 mm	Stones	N/A
9298634	SMH-116	0.00 - 0.00	Red	Silty Clay Loam	<0.063 mm	Stones	N/A
9298638	SMH-117	0.00 - 0.00	Red	Silty Clay Loam	<0.063 mm	Brick	Stones
9298642	SMH-118	0.00 - 0.00	Red	Silty Clay Loam	<0.063 mm	Brick	Stones
9298650	SMH-119	0.00 - 0.00	Red	Silty Clay Loam	<0.063 mm	Stones	N/A
9298654	SMH-120	0.00 - 0.00	Red	Silty Clay Loam	<0.063 mm	Stones	N/A

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 ocurring 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.

CERTIFICATE OF ANALYSIS

SDG:	140517-16	**Location:**	Coed Darcy	**Order Number:**	CD0679
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272880
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271361

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	SMH-90	SMH-91	SMH-92	SMH-93	SMH-94	SMH-95
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/05/2014	16/05/2014	16/05/2014	16/05/2014	16/05/2014	16/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-16	140517-16	140517-16	140517-16	140517-16	140517-16
			Lab Sample No.(s)	9298558	9298602	9298646	9298658	9298662	9298666
			AGS Reference						
Moisture Content Ratio	%	PM024		14	15	15	13	14	16
Soil Organic Matter (SOM)	<0.35 %	TM132		1.13 #	1.37 #	1.58 #	1.09 #	2.38 #	1.09 #
pH	1 pH Units	TM133		8.15 M	8.26 M	8.09 M	8.2 M	8.22 M	8.2 M
Arsenic	<0.6 mg/kg	TM181		18.5 M	20.2 M	15.3 M	16.9 M	21.9 M	21.5 M
Cadmium	<0.02 mg/kg	TM181		1.56 M	0.846 M	0.952 M	1.39 M	0.667 M	1.38 M
Chromium	<0.9 mg/kg	TM181		26.4 M	25.2 M	19.9 M	22.3 M	21.8 M	27.5 M
Copper	<1.4 mg/kg	TM181		27.8 M	45.3 M	21.8 M	16.8 M	58.6 M	34.4 M
Lead	<0.7 mg/kg	TM181		96.7 M	99 M	67.6 M	78 M	97.2 M	101 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		29.4 M	31.8 M	20.7 M	22 M	26 M	33.8 M
Selenium	<1 mg/kg	TM181		1.5 #	1.84 #	1.42 #	1.56 #	1.54 #	2.34 #
Vanadium	<0.2 mg/kg	TM181		46.6 #	42.1 #	33.9 #	41.6 #	34.3 #	52.4 #
Zinc	<1.9 mg/kg	TM181		444 M	233 M	241 M	437 M	313 M	417 M

CERTIFICATE OF ANALYSIS

SDG:	140517-16	**Location:**	Coed Darcy	**Order Number:**	CD0679
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272880
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271361

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	SMH-96	SMH-97	SMH-98	SMH-99	SMH-100	SMH-101
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/05/2014	16/05/2014	16/05/2014	16/05/2014	16/05/2014	16/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-16	140517-16	140517-16	140517-16	140517-16	140517-16
			Lab Sample No.(s)	9298670	9298674	9298678	9298562	9298566	9298570
			AGS Reference						
Moisture Content Ratio	%	PM024		18	19	19	19	15	16
Soil Organic Matter (SOM)	<0.35 %	TM132		1.34 #	1.06 #	0.786 #	1.21 #	0.909 #	1.09 #
pH	1 pH Units	TM133		8.21 M	8.38 M	8.16 M	8.3 M	8.38 M	8.32 M
Arsenic	<0.6 mg/kg	TM181		20.7 M	21.2 M	22 M	19.5 M	14.1 M	16.1 M
Cadmium	<0.02 mg/kg	TM181		1.11 M	0.326 M	3.02 M	1.78 M	0.932 M	1.4 M
Chromium	<0.9 mg/kg	TM181		27.6 M	25.5 M	33.3 M	28.2 M	19.8 M	26 M
Copper	<1.4 mg/kg	TM181		41.2 M	27.5 M	17.1 M	24.2 M	12.2 M	17.7 M
Lead	<0.7 mg/kg	TM181		110 M	114 M	118 M	115 M	74.6 M	99.6 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		31.9 M	26.6 M	32.4 M	28.8 M	19.7 M	25.7 M
Selenium	<1 mg/kg	TM181		2.69 #	1.89 #	2.64 #	2.45 #	1.64 #	1.58 #
Vanadium	<0.2 mg/kg	TM181		46 #	40.7 #	64.1 #	49.7 #	36.1 #	44.5 #
Zinc	<1.9 mg/kg	TM181		498 M	320 M	954 M	657 M	421 M	724 M

CERTIFICATE OF ANALYSIS

SDG:	140517-16	**Location:**	Coed Darcy	**Order Number:**	CD0679
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272880
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271361

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	SMH-102	SMH-103	SMH-104	SMH-105	SMH-106	SMH-107
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/05/2014	16/05/2014	16/05/2014	16/05/2014	16/05/2014	16/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-16	140517-16	140517-16	140517-16	140517-16	140517-16
			Lab Sample No.(s)	9298574	9298578	9298582	9298586	9298590	9298594
			AGS Reference						
Moisture Content Ratio	%	PM024		15	19	14	15	13	14
Soil Organic Matter (SOM)	<0.35 %	TM132		1.07 #	1 #	0.924 #	1.08 #	1.04 #	1.15 #
pH	1 pH Units	TM133		8.33 M	8.23 M	8.62 M	8.48 M	8.28 M	8.51 M
Arsenic	<0.6 mg/kg	TM181		18.8 M	22.9 M	14.8 M	15.1 M	<6 M	15.9 M
Cadmium	<0.02 mg/kg	TM181		0.379 M	0.922 M	0.639 M	1.16 M	<0.2 M	0.944 M
Chromium	<0.9 mg/kg	TM181		22.7 M	30.2 M	20.1 M	20.9 M	<9 M	80.6 M
Copper	<1.4 mg/kg	TM181		64.1 M	32.7 M	23.7 M	49.4 M	75.3 M	28.4 M
Lead	<0.7 mg/kg	TM181		96 M	109 M	74 M	81.7 M	11.4 M	79.9 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		23.3 M	28.2 M	21.4 M	20.7 M	5.23 M	24.9 M
Selenium	<1 mg/kg	TM181		1.79 #	1.82 #	1.54 #	1.7 #	<10 #	2.04 #
Vanadium	<0.2 mg/kg	TM181		36.4 #	45.8 #	34.7 #	41.3 #	5.08 #	71.5 #
Zinc	<1.9 mg/kg	TM181		287 M	369 M	267 M	438 M	65.8 M	302 M

CERTIFICATE OF ANALYSIS

SDG:	140517-16	**Location:**	Coed Darcy	**Order Number:**	CD0679
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272880
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271361

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	SMH-108	SMH-109	SMH-110	SMH-111	SMH-112	SMH-113
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/05/2014	16/05/2014	16/05/2014	16/05/2014	16/05/2014	16/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-16	140517-16	140517-16	140517-16	140517-16	140517-16
			Lab Sample No.(s)	9298598	9298606	9298610	9298614	9298618	9298622
			AGS Reference						
Moisture Content Ratio	%	PM024		14	14	17	15	18	18
Soil Organic Matter (SOM)	<0.35 %	TM132		1.72 #	1.16 #	1.13 #	0.903 #	1 #	0.933 #
pH	1 pH Units	TM133		8.16 M	8.45 M	8.27 M	8.2 M	8.04 M	8.12 M
Arsenic	<0.6 mg/kg	TM181		17.9 M	21.9 M	19.6 M	16.8 M	19.2 M	20.4 M
Cadmium	<0.02 mg/kg	TM181		0.923 M	0.704 M	1.49 M	0.965 M	1.75 M	1.93 M
Chromium	<0.9 mg/kg	TM181		21.9 M	25.6 M	25.6 M	23 M	26.9 M	32.8 M
Copper	<1.4 mg/kg	TM181		31.4 M	25.5 M	32.7 M	16.7 M	23.2 M	23.6 M
Lead	<0.7 mg/kg	TM181		82 M	120 M	93.3 M	84.6 M	97.2 M	110 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		26 M	25 M	27.3 M	21.5 M	25.4 M	31.9 M
Selenium	<1 mg/kg	TM181		1.59 #	1.36 #	1.96 #	1.96 #	1.73 #	2.42 #
Vanadium	<0.2 mg/kg	TM181		37.7 #	39.9 #	45.7 #	39.5 #	48.3 #	57.4 #
Zinc	<1.9 mg/kg	TM181		279 M	338 M	413 M	450 M	635 M	607 M

CERTIFICATE OF ANALYSIS

SDG:	140517-16	**Location:**	Coed Darcy	**Order Number:**	CD0679
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272880
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271361

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	SMH-114	SMH-115	SMH-116	SMH-117	SMH-118	SMH-119
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/05/2014	16/05/2014	16/05/2014	16/05/2014	16/05/2014	16/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-16	140517-16	140517-16	140517-16	140517-16	140517-16
			Lab Sample No.(s)	9298626	9298630	9298634	9298638	9298642	9298650
			AGS Reference						
Moisture Content Ratio	%	PM024		15	13	15	17	16	16
Soil Organic Matter (SOM)	<0.35 %	TM132		0.972 #	1.26 #	0.629 #	1.46 #	2 #	1.35 #
pH	1 pH Units	TM133		8.24 M	8.09 M	8.35 M	8.28 M	8.23 M	8.24 M
Arsenic	<0.6 mg/kg	TM181		14.1 M	15.6 M	16.9 M	19.8 M	19.8 M	25.9 M
Cadmium	<0.02 mg/kg	TM181		0.526 M	0.918 M	0.868 M	1.66 M	1.8 M	2.43 M
Chromium	<0.9 mg/kg	TM181		20 M	19.5 M	22.7 M	31 M	27.5 M	28.1 M
Copper	<1.4 mg/kg	TM181		20.2 M	25 M	17.6 M	25.2 M	22.2 M	20.9 M
Lead	<0.7 mg/kg	TM181		57 M	70.7 M	70.5 M	127 M	91.2 M	92.2 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		16.9 M	18.9 M	21.8 M	29 M	27.2 M	30.9 M
Selenium	<1 mg/kg	TM181		1.33 #	1.53 #	1.55 #	2.32 #	2.22 #	1.6 #
Vanadium	<0.2 mg/kg	TM181		31.4 #	31.9 #	44 #	55.7 #	48.6 #	54 #
Zinc	<1.9 mg/kg	TM181		154 M	307 M	435 M	610 M	520 M	661 M

CERTIFICATE OF ANALYSIS

SDG:	140517-16	**Location:**	Coed Darcy	**Order Number:**	CD0679
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272880
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271361

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	
			SMH-120	
			Depth (m)	0.00 - 0.00
			Sample Type	Soil/Solid
			Date Sampled	16/05/2014
			Sample Time	.
			Date Received	17/05/2014
			SDG Ref	140517-16
			Lab Sample No.(s)	9298654
			AGS Reference	
Moisture Content Ratio	%	PM024	15	
Soil Organic Matter (SOM)	<0.35 %	TM132	1.58	#
pH	1 pH Units	TM133	8.17	M
Arsenic	<0.6 mg/kg	TM181	19.4	M
Cadmium	<0.02 mg/kg	TM181	2.24	M
Chromium	<0.9 mg/kg	TM181	23.4	M
Copper	<1.4 mg/kg	TM181	41.9	M
Lead	<0.7 mg/kg	TM181	92	M
Mercury	<0.14 mg/kg	TM181	<0.14	M
Nickel	<0.2 mg/kg	TM181	38.7	M
Selenium	<1 mg/kg	TM181	2.07	#
Vanadium	<0.2 mg/kg	TM181	38	#
Zinc	<1.9 mg/kg	TM181	233	M

CERTIFICATE OF ANALYSIS

SDG:	140517-16	**Location:**	Coed Darcy	**Order Number:**	CD0679
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272880
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271361

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	SMH-90	SMH-91	SMH-92	SMH-93	SMH-94	SMH-95
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/05/2014	16/05/2014	16/05/2014	16/05/2014	16/05/2014	16/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-16	140517-16	140517-16	140517-16	140517-16	140517-16
			Lab Sample No.(s)	9298558	9298602	9298646	9298658	9298662	9298666
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		102	90.9	90.7	92.7	101	96.3
Acenaphthene-d10 % recovery**	%	TM218		99	89.7	90.2	91.6	99.6	94.8
Phenanthrene-d10 % recovery**	%	TM218		96.7	88.1	87.9	89.5	98.6	93.8
Chrysene-d12 % recovery**	%	TM218		95	82.5	83.2	84.1	97.2	92.8
Perylene-d12 % recovery**	%	TM218		93.3	84	85.5	85.6	101	94.3
Naphthalene	<9 µg/kg	TM218		34 M	18.8 M	13.8 M	<9 M	48.9 M	88 M
Acenaphthylene	<12 µg/kg	TM218		24.8 M	20.4 M	<12 M	<12 M	36.8 M	173 M
Acenaphthene	<8 µg/kg	TM218		9.87 M	<8 M	<8 M	<8 M	32.1 M	41.2 M
Fluorene	<10 µg/kg	TM218		19.8 M	13 M	<10 M	<10 M	58.9 M	198 M
Phenanthrene	<15 µg/kg	TM218		209 M	137 M	56.4 M	78.3 M	462 M	2440 M
Anthracene	<16 µg/kg	TM218		68.7 M	42.4 M	<16 M	18.5 M	125 M	879 M
Fluoranthene	<17 µg/kg	TM218		626 M	342 M	114 M	147 M	901 M	5080 M
Pyrene	<15 µg/kg	TM218		477 M	270 M	95.7 M	116 M	836 M	3720 M
Benz(a)anthracene	<14 µg/kg	TM218		326 M	198 M	77.4 M	97.9 M	576 M	2280 M
Chrysene	<10 µg/kg	TM218		321 M	161 M	66.8 M	93.5 M	742 M	1710 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		373 M	215 M	104 M	109 M	814 M	2180 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		163 M	94.5 M	37 M	47.5 M	278 M	858 M
Benzo(a)pyrene	<15 µg/kg	TM218		253 M	133 M	63.8 M	75.6 M	459 M	1480 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		124 M	75.2 M	32.5 M	38.1 M	256 M	679 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		49.1 M	29.6 M	<23 M	<23 M	117 M	269 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		155 M	88.1 M	36.1 M	50 M	295 M	684 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		3230	1840	698	871	6040	22700

CERTIFICATE OF ANALYSIS

SDG:	140517-16	**Location:**	Coed Darcy	**Order Number:**	CD0679
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272880
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271361

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	SMH-96	SMH-97	SMH-98	SMH-99	SMH-100	SMH-101
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/05/2014	16/05/2014	16/05/2014	16/05/2014	16/05/2014	16/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-16	140517-16	140517-16	140517-16	140517-16	140517-16
			Lab Sample No.(s)	9298670	9298674	9298678	9298562	9298566	9298570
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		97.1	99.1	94	89.1	92.3	93.6
Acenaphthene-d10 % recovery**	%	TM218		95.3	97.7	92.1	88.2	91.1	91.9
Phenanthrene-d10 % recovery**	%	TM218		93.5	95.9	90.2	86.5	88.8	90.5
Chrysene-d12 % recovery**	%	TM218		89.8	90.8	85.2	82.8	85.1	86.5
Perylene-d12 % recovery**	%	TM218		90.9	92	87.2	83.8	87	87.7
Naphthalene	<9 µg/kg	TM218		52.9 M	<9 M	<9 M	19.5 M	18.8 M	18.7 M
Acenaphthylene	<12 µg/kg	TM218		37.8 M	<12 M	<12 M	24.6 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		49 M	<8 M	<8 M	10.8 M	11.9 M	<8 M
Fluorene	<10 µg/kg	TM218		66.8 M	<10 M	<10 M	43.3 M	18.4 M	<10 M
Phenanthrene	<15 µg/kg	TM218		405 M	42.5 M	<15 M	343 M	134 M	84.5 M
Anthracene	<16 µg/kg	TM218		148 M	<16 M	<16 M	153 M	32.7 M	20.6 M
Fluoranthene	<17 µg/kg	TM218		1100 M	69.7 M	<17 M	789 M	206 M	172 M
Pyrene	<15 µg/kg	TM218		858 M	59.5 M	<15 M	598 M	163 M	144 M
Benz(a)anthracene	<14 µg/kg	TM218		616 M	62 M	<14 M	387 M	132 M	112 M
Chrysene	<10 µg/kg	TM218		567 M	41.5 M	<10 M	316 M	114 M	90.2 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		856 M	59.2 M	<15 M	440 M	159 M	152 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		326 M	21.6 M	<14 M	172 M	50.1 M	51 M
Benzo(a)pyrene	<15 µg/kg	TM218		594 M	35.6 M	<15 M	293 M	100 M	105 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		311 M	<18 M	<18 M	143 M	50 M	60.3 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		117 M	<23 M	<23 M	53.7 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		353 M	<24 M	<24 M	155 M	57 M	73.9 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		6450	392	<118	3940	1250	1080

CERTIFICATE OF ANALYSIS

SDG:	140517-16	**Location:**	Coed Darcy	**Order Number:**	CD0679
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272880
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271361

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	SMH-102	SMH-103	SMH-104	SMH-105	SMH-106	SMH-107
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/05/2014	16/05/2014	16/05/2014	16/05/2014	16/05/2014	16/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-16	140517-16	140517-16	140517-16	140517-16	140517-16
			Lab Sample No.(s)	9298574	9298578	9298582	9298586	9298590	9298594
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		98	93.2	92.4	97	104	95.5
Acenaphthene-d10 % recovery**	%	TM218		96.6	92.2	91.5	95.8	103	93.2
Phenanthrene-d10 % recovery**	%	TM218		94.6	92.1	90.1	94.5	101	91.9
Chrysene-d12 % recovery**	%	TM218		90.8	91	86.5	91.3	95.5	87
Perylene-d12 % recovery**	%	TM218		93	92.5	88.3	94.5	97.4	88
Naphthalene	<9 µg/kg	TM218		11.5 M	22.1 M	21.7 M	16 M	<9 M	<9 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	21.2 M	18.5 M	<12 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	11.1 M	9.64 M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		<10 M	15.1 M	25.4 M	18.9 M	<10 M	<10 M
Phenanthrene	<15 µg/kg	TM218		48.5 M	127 M	157 M	138 M	55 M	68.3 M
Anthracene	<16 µg/kg	TM218		<16 M	40.6 M	52.8 M	34 M	<16 M	<16 M
Fluoranthene	<17 µg/kg	TM218		91.8 M	314 M	310 M	247 M	69.6 M	96.5 M
Pyrene	<15 µg/kg	TM218		78.4 M	238 M	262 M	181 M	69.8 M	93.2 M
Benz(a)anthracene	<14 µg/kg	TM218		70.9 M	179 M	190 M	158 M	69.6 M	76.1 M
Chrysene	<10 µg/kg	TM218		46.2 M	131 M	183 M	139 M	49.6 M	76.1 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		73.9 M	228 M	266 M	199 M	69.1 M	103 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		29.2 M	78.2 M	96.1 M	77.5 M	28.7 M	34.4 M
Benzo(a)pyrene	<15 µg/kg	TM218		51.1 M	144 M	172 M	109 M	43.7 M	63.1 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		27.5 M	94.8 M	98.5 M	65.4 M	26.6 M	35.4 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	36.4 M	37.9 M	30.7 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		33.4 M	113 M	111 M	76.2 M	32.7 M	51.4 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		562	1780	2010	1500	514	698

CERTIFICATE OF ANALYSIS

SDG:	140517-16	**Location:**	Coed Darcy	**Order Number:**	CD0679
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272880
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271361

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	SMH-108	SMH-109	SMH-110	SMH-111	SMH-112	SMH-113
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/05/2014	16/05/2014	16/05/2014	16/05/2014	16/05/2014	16/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-16	140517-16	140517-16	140517-16	140517-16	140517-16
			Lab Sample No.(s)	9298598	9298606	9298610	9298614	9298618	9298622
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		94.6	94.3	107	95	113	97.9
Acenaphthene-d10 % recovery**	%	TM218		93.5	93.1	105	93.5	111	96.1
Phenanthrene-d10 % recovery**	%	TM218		92.2	91.2	103	91.5	110	94.4
Chrysene-d12 % recovery**	%	TM218		88.9	88.6	99.7	86.8	104	89.4
Perylene-d12 % recovery**	%	TM218		90.4	90.8	102	88.8	108	91.4
Naphthalene	<9 µg/kg	TM218		51.3 M	161 M	14.7 M	<9 M	<9 M	<9 M
Acenaphthylene	<12 µg/kg	TM218		92.4 M	121 M	<12 M	<12 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		19.7 M	323 M	<8 M	<8 M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		161 M	386 M	<10 M	<10 M	<10 M	<10 M
Phenanthrene	<15 µg/kg	TM218		1320 M	2140 M	58.8 M	30 M	37.1 M	25.3 M
Anthracene	<16 µg/kg	TM218		329 M	597 M	<16 M	<16 M	<16 M	<16 M
Fluoranthene	<17 µg/kg	TM218		2050 M	3490 M	117 M	56 M	73.4 M	46 M
Pyrene	<15 µg/kg	TM218		1430 M	2400 M	93.9 M	46.3 M	61.7 M	43.2 M
Benz(a)anthracene	<14 µg/kg	TM218		863 M	1660 M	76.9 M	55.6 M	75.1 M	<14 M
Chrysene	<10 µg/kg	TM218		644 M	1390 M	56 M	38.3 M	51.2 M	23.3 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		930 M	1860 M	93.5 M	49.7 M	83.1 M	45.9 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		383 M	712 M	39.3 M	24.3 M	28 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		600 M	1260 M	58.7 M	33.6 M	47.8 M	28.1 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		294 M	631 M	38.3 M	<18 M	26.5 M	23.6 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		109 M	232 M	<23 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		328 M	638 M	51.1 M	<24 M	34.1 M	30.1 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		9600	18000	698	334	518	266

CERTIFICATE OF ANALYSIS

SDG:	140517-16	**Location:**	Coed Darcy	**Order Number:**	CD0679
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272880
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271361

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	SMH-114	SMH-115	SMH-116	SMH-117	SMH-118	SMH-119
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/05/2014	16/05/2014	16/05/2014	16/05/2014	16/05/2014	16/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-16	140517-16	140517-16	140517-16	140517-16	140517-16
			Lab Sample No.(s)	9298626	9298630	9298634	9298638	9298642	9298650
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		107	94.8	92.8	109	97.2	109
Acenaphthene-d10 % recovery**	%	TM218		103	93.3	91.1	107	96.3	107
Phenanthrene-d10 % recovery**	%	TM218		99.9	91.5	89.6	105	94.8	104
Chrysene-d12 % recovery**	%	TM218		94.7	88.1	87.3	101	91.1	103
Perylene-d12 % recovery**	%	TM218		97.2	89.1	89.8	103	92.7	102
Naphthalene	<9 µg/kg	TM218		<9 M	64 M	53.5 M	47.1 M	52.3 M	<9 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	158 M	83.1 M	70.9 M	65.9 M	24.2 M
Acenaphthene	<8 µg/kg	TM218		<8 M	34.9 M	17.5 M	11.7 M	24.6 M	<8 M
Fluorene	<10 µg/kg	TM218		<10 M	307 M	63.2 M	46.1 M	44 M	20.7 M
Phenanthrene	<15 µg/kg	TM218		47.8 M	2450 M	579 M	524 M	427 M	365 M
Anthracene	<16 µg/kg	TM218		<16 M	473 M	368 M	154 M	147 M	70.4 M
Fluoranthene	<17 µg/kg	TM218		108 M	2630 M	2770 M	1150 M	1110 M	526 M
Pyrene	<15 µg/kg	TM218		90.5 M	1830 M	2070 M	850 M	848 M	380 M
Benz(a)anthracene	<14 µg/kg	TM218		82.5 M	1070 M	1380 M	570 M	585 M	237 M
Chrysene	<10 µg/kg	TM218		73.6 M	710 M	1060 M	477 M	499 M	200 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		103 M	1100 M	1330 M	674 M	686 M	259 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		41.7 M	417 M	528 M	271 M	283 M	98 M
Benzo(a)pyrene	<15 µg/kg	TM218		72.8 M	669 M	927 M	417 M	446 M	167 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		43.8 M	319 M	420 M	223 M	248 M	91.5 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	125 M	160 M	83.6 M	93.2 M	35.8 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		52.1 M	341 M	421 M	240 M	288 M	107 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		715	12700	12200	5810	5850	2580

CERTIFICATE OF ANALYSIS

SDG:	140517-16	**Location:**	Coed Darcy	**Order Number:**	CD0679
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272880
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271361

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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)

Customer Sample R	SMH-120
Depth (m)	0.00 - 0.00
Sample Type	Soil/Solid
Date Sampled	16/05/2014
Sample Time	.
Date Received	17/05/2014
SDG Ref	140517-16
Lab Sample No.(s)	9298654
AGS Reference	

Component	LOD/Units	Method	
Naphthalene-d8 % recovery**	%	TM218	105
Acenaphthene-d10 % recovery**	%	TM218	99.7
Phenanthrene-d10 % recovery**	%	TM218	96.6
Chrysene-d12 % recovery**	%	TM218	94.3
Perylene-d12 % recovery**	%	TM218	92.8
Naphthalene	<9 µg/kg	TM218	21.8 M
Acenaphthylene	<12 µg/kg	TM218	28.7 M
Acenaphthene	<8 µg/kg	TM218	<8 M
Fluorene	<10 µg/kg	TM218	20.7 M
Phenanthrene	<15 µg/kg	TM218	223 M
Anthracene	<16 µg/kg	TM218	73.8 M
Fluoranthene	<17 µg/kg	TM218	562 M
Pyrene	<15 µg/kg	TM218	424 M
Benz(a)anthracene	<14 µg/kg	TM218	265 M
Chrysene	<10 µg/kg	TM218	247 M
Benzo(b)fluoranthene	<15 µg/kg	TM218	305 M
Benzo(k)fluoranthene	<14 µg/kg	TM218	120 M
Benzo(a)pyrene	<15 µg/kg	TM218	196 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218	112 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218	44.1 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218	129 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218	2770

CERTIFICATE OF ANALYSIS

SDG:	140517-16	**Location:**	Coed Darcy	**Order Number:**	CD0679
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272880
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271361

TPH CWG (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	SMH-90	SMH-91	SMH-92	SMH-93	SMH-94	SMH-95
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/05/2014	16/05/2014	16/05/2014	16/05/2014	16/05/2014	16/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-16	140517-16	140517-16	140517-16	140517-16	140517-16
			Lab Sample No.(s)	9298558	9298602	9298646	9298658	9298662	9298666
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		123	122	112	117	110	115
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<44 M	<44 M	<44 M	<44 M	114 M	<44 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	<2 M	<2 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 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		<10	<10	<10	<10	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C8-C10	<10 µg/kg	TM089		<10	<10	<10	<10	15.1	<10
Aliphatics >C10-C12	<10 µg/kg	TM089		<10	<10	<10	<10	45.2	<10
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	<100	106	22000	2040
Aliphatics >C16-C21	<100 µg/kg	TM173		1420	<100	<100	376	27500	3410
Aliphatics >C21-C35	<100 µg/kg	TM173		6940	<100	4320	5430	73800	2170
Aliphatics >C35-C44	<100 µg/kg	TM173		2070	<100	<100	3900	27400	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		10400	<100	4320	9810	151000	7610
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		<10	<10	<10	<10	11.6	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089		<10	<10	<10	<10	30.2	<10
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	1290	130	5420	126
Aromatics >EC16-EC21	<100 µg/kg	TM173		2300	<100	8740	555	23100	5260
Aromatics >EC21-EC35	<100 µg/kg	TM173		14200	3250	24300	11400	94100	14700
Aromatics >EC35-EC44	<100 µg/kg	TM173		7310	6060	9380	11700	39500	3510
Aromatics >EC40-EC44	<100 µg/kg	TM173		3070	2860	3770	4980	15700	1380
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		23800	9320	43700	23800	162000	23600
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		34200	9320	48000	33600	313000	31200

CERTIFICATE OF ANALYSIS

SDG:	140517-16	**Location:**	Coed Darcy	**Order Number:**	CD0679
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272880
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271361

TPH CWG (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	SMH-96	SMH-97	SMH-98	SMH-99	SMH-100	SMH-101
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/05/2014	16/05/2014	16/05/2014	16/05/2014	16/05/2014	16/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-16	140517-16	140517-16	140517-16	140517-16	140517-16
			Lab Sample No.(s)	9298670	9298674	9298678	9298562	9298566	9298570
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		102	121	108	100	116	108
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<44 M	<44 M	<44 M	<44 M	<44 M	<44 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	<2 M	<2 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 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		<10	<10	<10	<10	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C8-C10	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C10-C12	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	<100	<100	<100	228
Aliphatics >C16-C21	<100 µg/kg	TM173		371	<100	<100	4010	304	25200
Aliphatics >C21-C35	<100 µg/kg	TM173		557	4480	<100	8270	5270	23700
Aliphatics >C35-C44	<100 µg/kg	TM173		2070	1590	<100	6970	2670	12700
Total Aliphatics >C12-C44	<100 µg/kg	TM173		3000	6070	<100	19200	8240	61900
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC12-EC16	<100 µg/kg	TM173		871	<100	<100	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		8590	<100	<100	1850	752	18600
Aromatics >EC21-EC35	<100 µg/kg	TM173		24700	<100	<100	8520	11900	36700
Aromatics >EC35-EC44	<100 µg/kg	TM173		12700	2390	<100	14000	10200	24600
Aromatics >EC40-EC44	<100 µg/kg	TM173		5260	1130	<100	6820	4330	9670
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		46900	2390	<100	24300	22900	79800
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		49900	8460	<100	43600	31200	142000

CERTIFICATE OF ANALYSIS

SDG:	140517-16	**Location:**	Coed Darcy	**Order Number:**	CD0679
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272880
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271361

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	SMH-102	SMH-103	SMH-104	SMH-105	SMH-106	SMH-107
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/05/2014	16/05/2014	16/05/2014	16/05/2014	16/05/2014	16/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-16	140517-16	140517-16	140517-16	140517-16	140517-16
			Lab Sample No.(s)	9298574	9298578	9298582	9298586	9298590	9298594
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		97	125	118	103	127	99
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		9570 M	<44 M	128 M	1420 M	<44 M	235 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	<2 M	3.51 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 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		35.4	<10	<10	<10	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		40.1	<10	<10	28.1	<10	11.7
Aliphatics >C8-C10	<10 µg/kg	TM089		585	<10	21.1	319	<10	28.1
Aliphatics >C10-C12	<10 µg/kg	TM089		5110	<10	43.3	512	<10	101
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	11500	1660	3600	1890	1610
Aliphatics >C16-C21	<100 µg/kg	TM173		1520	148000	5950	9690	5210	6080
Aliphatics >C21-C35	<100 µg/kg	TM173		16600	93000	5520	19000	7740	9550
Aliphatics >C35-C44	<100 µg/kg	TM173		4630	32100	1110	8540	2420	5300
Total Aliphatics >C12-C44	<100 µg/kg	TM173		22700	285000	14200	40800	17300	22500
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		392	<10	17.6	213	<10	21.1
Aromatics >EC10-EC12	<10 µg/kg	TM089		3410	<10	28.1	342	<10	66.7
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	1390	<100	866	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		1560	88100	1680	3350	<100	2710
Aromatics >EC21-EC35	<100 µg/kg	TM173		20600	95800	8370	18000	4750	19400
Aromatics >EC35-EC44	<100 µg/kg	TM173		13000	37500	6840	15300	5250	26400
Aromatics >EC40-EC44	<100 µg/kg	TM173		5350	15100	3050	6890	2310	12400
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		35200	223000	16900	37500	10000	48600
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		67500	507000	31300	79700	27300	71300

CERTIFICATE OF ANALYSIS

SDG:	140517-16	**Location:**	Coed Darcy	**Order Number:**	CD0679
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272880
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271361

TPH CWG (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	SMH-108	SMH-109	SMH-110	SMH-111	SMH-112	SMH-113
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/05/2014	16/05/2014	16/05/2014	16/05/2014	16/05/2014	16/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-16	140517-16	140517-16	140517-16	140517-16	140517-16
			Lab Sample No.(s)	9298598	9298606	9298610	9298614	9298618	9298622
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		97	103	129	105	122	122
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<44 M	1160 M	<44 M	<44 M	<44 M	<44 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	<2 M	<2 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 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		<10	34.8	<10	<10	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		<10	41.8	<10	<10	<10	<10
Aliphatics >C8-C10	<10 µg/kg	TM089		<10	90.5	<10	<10	<10	<10
Aliphatics >C10-C12	<10 µg/kg	TM089		<10	559	<10	10.6	<10	<10
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	560	<100	<100	6130	1200
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	2380	4950	2150	50700	8290
Aliphatics >C21-C35	<100 µg/kg	TM173		1950	11800	5710	8740	59600	12100
Aliphatics >C35-C44	<100 µg/kg	TM173		1100	3010	3380	5280	38300	6970
Total Aliphatics >C12-C44	<100 µg/kg	TM173		3050	17800	14000	16200	155000	28600
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		<10	60.3	<10	<10	<10	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089		<10	372	<10	<10	<10	<10
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	204	<100	<100	3080	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		2280	973	2080	<100	51200	6200
Aromatics >EC21-EC35	<100 µg/kg	TM173		8250	9340	10200	4040	55800	15300
Aromatics >EC35-EC44	<100 µg/kg	TM173		3580	7010	7360	7330	31500	10800
Aromatics >EC40-EC44	<100 µg/kg	TM173		1220	2980	2870	3200	13300	4260
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		14100	17500	19700	11400	142000	32300
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		17200	36400	33700	27600	296000	60900

CERTIFICATE OF ANALYSIS

SDG:	140517-16	**Location:**	Coed Darcy	**Order Number:**	CD0679
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272880
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271361

TPH CWG (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	SMH-114	SMH-115	SMH-116	SMH-117	SMH-118	SMH-119
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/05/2014	16/05/2014	16/05/2014	16/05/2014	16/05/2014	16/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014	17/05/2014
			SDG Ref	140517-16	140517-16	140517-16	140517-16	140517-16	140517-16
			Lab Sample No.(s)	9298626	9298630	9298634	9298638	9298642	9298650
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		110	90	93	95	105	103
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<44 M	<44 M	101 M	<44 M	<44 M	<44 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	<2 M	<2 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 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		<10	<10	<10	<10	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C8-C10	<10 µg/kg	TM089		<10	<10	14.2	<10	<10	<10
Aliphatics >C10-C12	<10 µg/kg	TM089		<10	<10	36.6	<10	<10	<10
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		14700	2880	2140	1780	4590	1300
Aliphatics >C35-C44	<100 µg/kg	TM173		11700	2690	2220	839	2810	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		26400	5580	4360	2620	7400	1300
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		<10	<10	10.6	<10	<10	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089		<10	<10	24.8	<10	<10	<10
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	851	322	1300	2830	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		26700	7230	5790	5190	16200	3070
Aromatics >EC35-EC44	<100 µg/kg	TM173		27600	5570	5540	4340	8460	4830
Aromatics >EC40-EC44	<100 µg/kg	TM173		12500	2270	2350	1790	3180	2190
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		54300	13700	11700	10800	27500	7900
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		80600	19200	16100	13500	34900	9210

CERTIFICATE OF ANALYSIS

SDG:	140517-16	**Location:**	Coed Darcy	**Order Number:**	CD0679
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272880
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271361

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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)

	Customer Sample R	LOD/Units	Method
Depth (m)	SMH-120		
Sample Type	0.00 - 0.00 Soil/Solid		
Date Sampled	16/05/2014		
Sample Time	.		
Date Received	17/05/2014		
SDG Ref	140517-16		
Lab Sample No.(s)	9298654		
AGS Reference			
Component			
GRO Surrogate % recovery**		%	TM089
GRO TOT (Moisture Corrected)	<44	µg/kg	TM089
Methyl tertiary butyl ether (MTBE)	<5	µg/kg	TM089
Benzene	<10	µg/kg	TM089
Toluene	<2	µg/kg	TM089
Ethylbenzene	<3	µg/kg	TM089
m,p-Xylene	<6	µg/kg	TM089
o-Xylene	<3	µg/kg	TM089
sum of detected mpo xylene by GC	<9	µg/kg	TM089
sum of detected BTEX by GC	<24	µg/kg	TM089
Aliphatics >C5-C6	<10	µg/kg	TM089
Aliphatics >C6-C8	<10	µg/kg	TM089
Aliphatics >C8-C10	<10	µg/kg	TM089
Aliphatics >C10-C12	<10	µg/kg	TM089
Aliphatics >C12-C16	<100	µg/kg	TM173
Aliphatics >C16-C21	<100	µg/kg	TM173
Aliphatics >C21-C35	<100	µg/kg	TM173
Aliphatics >C35-C44	<100	µg/kg	TM173
Total Aliphatics >C12-C44	<100	µg/kg	TM173
Aromatics >EC5-EC7	<10	µg/kg	TM089
Aromatics >EC7-EC8	<10	µg/kg	TM089
Aromatics >EC8-EC10	<10	µg/kg	TM089
Aromatics >EC10-EC12	<10	µg/kg	TM089
Aromatics >EC12-EC16	<100	µg/kg	TM173
Aromatics >EC16-EC21	<100	µg/kg	TM173
Aromatics >EC21-EC35	<100	µg/kg	TM173
Aromatics >EC35-EC44	<100	µg/kg	TM173
Aromatics >EC40-EC44	<100	µg/kg	TM173
Total Aromatics >EC12-EC44	<100	µg/kg	TM173
Total Aliphatics & Aromatics >C5-C44	<100	µg/kg	TM173

GRO Surrogate % recovery**	100
GRO TOT (Moisture Corrected)	<44 M
Methyl tertiary butyl ether (MTBE)	<5 M
Benzene	<10 M
Toluene	<2 M
Ethylbenzene	<3 M
m,p-Xylene	<6 M
o-Xylene	<3 M
sum of detected mpo xylene by GC	<9
sum of detected BTEX by GC	<24
Aliphatics >C5-C6	<10
Aliphatics >C6-C8	<10
Aliphatics >C8-C10	<10
Aliphatics >C10-C12	<10
Aliphatics >C12-C16	<100
Aliphatics >C16-C21	<100
Aliphatics >C21-C35	5570
Aliphatics >C35-C44	7330
Total Aliphatics >C12-C44	12900
Aromatics >EC5-EC7	<10
Aromatics >EC7-EC8	<10
Aromatics >EC8-EC10	<10
Aromatics >EC10-EC12	<10
Aromatics >EC12-EC16	<100
Aromatics >EC16-EC21	2070
Aromatics >EC21-EC35	17100
Aromatics >EC35-EC44	17000
Aromatics >EC40-EC44	7330
Total Aromatics >EC12-EC44	36100
Total Aliphatics & Aromatics >C5-C44	49000

CERTIFICATE OF ANALYSIS

SDG:	140517-16	**Location:**	Coed Darcy	**Order Number:**	CD0679
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272880
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271361

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 Receieved SDG Original Sample Method Number	SMH-90 0.00 - 0.00 SOLID 16/05/2014 00:00:00 140517-16 9298558 TM048	22/5/14	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 Receieved SDG Original Sample Method Number	SMH-91 0.00 - 0.00 SOLID 16/05/2014 00:00:00 140517-16 9298602 TM048	22/05/14	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 Receieved SDG Original Sample Method Number	SMH-92 0.00 - 0.00 SOLID 16/05/2014 00:00:00 140517-16 9298646 TM048	22/5/14	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 Receieved SDG Original Sample Method Number	SMH-93 0.00 - 0.00 SOLID 16/05/2014 00:00:00 140517-16 9298658 TM048	22/5/14	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 Receieved SDG Original Sample Method Number	SMH-94 0.00 - 0.00 SOLID 16/05/2014 00:00:00 140517-16 9298662 TM048	22/5/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140517-16	**Location:**	Coed Darcy	**Order Number:**	CD0679
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272880
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271361

		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 Receieved SDG Original Sample Method Number	SMH-95 0.00 - 0.00 SOLID 16/05/2014 00:00:00 140517-16 9298666 TM048	22/05/14	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 Receieved SDG Original Sample Method Number	SMH-96 0.00 - 0.00 SOLID 16/05/2014 00:00:00 140517-16 9298670 TM048	22/5/14	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 Receieved SDG Original Sample Method Number	SMH-97 0.00 - 0.00 SOLID 16/05/2014 00:00:00 140517-16 9298674 TM048	22/05/14	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 Receieved SDG Original Sample Method Number	SMH-98 0.00 - 0.00 SOLID 16/05/2014 00:00:00 140517-16 9298678 TM048	22/05/14	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 Receieved SDG Original Sample Method Number	SMH-99 0.00 - 0.00 SOLID 16/05/2014 00:00:00 140517-16 9298562 TM048	22/5/14	Kevin Bowron	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 Receieved SDG Original Sample Method Number	SMH-100 0.00 - 0.00 SOLID 16/05/2014 00:00:00 140517-16 9298566 TM048	22/5/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140517-16	**Location:**	Coed Darcy	**Order Number:**	CD0679
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272880
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271361

		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 Receieved SDG Original Sample Method Number	SMH-101 0.00 - 0.00 SOLID 16/05/2014 00:00:00 140517-16 9298570 TM048	22/05/14	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 Receieved SDG Original Sample Method Number	SMH-102 0.00 - 0.00 SOLID 16/05/2014 00:00:00 140517-16 9298574 TM048	22/05/14	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 Receieved SDG Original Sample Method Number	SMH-103 0.00 - 0.00 SOLID 16/05/2014 00:00:00 140517-16 9298578 TM048	22/05/14	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 Receieved SDG Original Sample Method Number	SMH-104 0.00 - 0.00 SOLID 16/05/2014 00:00:00 140517-16 9298582 TM048	22/05/14	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 Receieved SDG Original Sample Method Number	SMH-105 0.00 - 0.00 SOLID 16/05/2014 00:00:00 140517-16 9298586 TM048	22/05/14	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 Receieved SDG Original Sample Method Number	SMH-106 0.00 - 0.00 SOLID 16/05/2014 00:00:00 140517-16 9298590 TM048	22/5/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140517-16	**Location:**	Coed Darcy	**Order Number:**	CD0679
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272880
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271361

		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 Receieved SDG Original Sample Method Number	SMH-107 0.00 - 0.00 SOLID 16/05/2014 00:00:00 140517-16 9298594 TM048	22/05/14	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 Receieved SDG Original Sample Method Number	SMH-108 0.00 - 0.00 SOLID 16/05/2014 00:00:00 140517-16 9298598 TM048	22/5/14	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 Receieved SDG Original Sample Method Number	SMH-109 0.00 - 0.00 SOLID 16/05/2014 00:00:00 140517-16 9298606 TM048	22/05/14	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 Receieved SDG Original Sample Method Number	SMH-110 0.00 - 0.00 SOLID 16/05/2014 00:00:00 140517-16 9298610 TM048	22/05/14	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 Receieved SDG Original Sample Method Number	SMH-111 0.00 - 0.00 SOLID 16/05/2014 00:00:00 140517-16 9298614 TM048	22/5/14	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 Receieved SDG Original Sample Method Number	SMH-112 0.00 - 0.00 SOLID 16/05/2014 00:00:00 140517-16 9298618 TM048	22/5/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140517-16	**Location:**	Coed Darcy	**Order Number:**	CD0679
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272880
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271361

		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 Receieved SDG Original Sample Method Number	SMH-113 0.00 - 0.00 SOLID 16/05/2014 00:00:00 140517-16 9298622 TM048	22/5/14	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 Receieved SDG Original Sample Method Number	SMH-114 0.00 - 0.00 SOLID 16/05/2014 00:00:00 140517-16 9298626 TM048	22/05/14	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 Receieved SDG Original Sample Method Number	SMH-115 0.00 - 0.00 SOLID 16/05/2014 00:00:00 140517-16 9298630 TM048	22/5/14	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 Receieved SDG Original Sample Method Number	SMH-116 0.00 - 0.00 SOLID 16/05/2014 00:00:00 140517-16 9298634 TM048	22/5/14	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 Receieved SDG Original Sample Method Number	SMH-117 0.00 - 0.00 SOLID 16/05/2014 00:00:00 140517-16 9298638 TM048	22/05/14	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 Receieved SDG Original Sample Method Number	SMH-118 0.00 - 0.00 SOLID 16/05/2014 00:00:00 140517-16 9298642 TM048	22/05/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140517-16	**Location:**	Coed Darcy	**Order Number:**	CD0679
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272880
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271361

		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 Receieved SDG Original Sample Method Number	SMH-119 0.00 - 0.00 SOLID 16/05/2014 00:00:00 140517-16 9298650 TM048	22/5/14	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 Receieved SDG Original Sample Method Number	SMH-120 0.00 - 0.00 SOLID 16/05/2014 00:00:00 140517-16 9298654 TM048	22/05/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140517-16	**Location:**	Coed Darcy	**Order Number:**	CD0679
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272880
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271361

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 Receieved SDG Original Sample Method Number	SMH-99 0.00 - 0.00 SOLID 16/05/2014 00:00:00 140517-16 9298562 TM 304	Amosite (Loose fibres in soil.) (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)

CERTIFICATE OF ANALYSIS

SDG:	140517-16	**Location:**	Coed Darcy	**Order Number:**	CD0679
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272880
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271361

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.

CERTIFICATE OF ANALYSIS

SDG:	140517-16	**Location:**	Coed Darcy	**Order Number:**	CD0679
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272880
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271361

Test Completion Dates

Lab Sample No(s)	9298558	9298602	9298646	9298658	9298662	9298666	9298670	9298674	9298678	9298562
Customer Sample Ref.	SMH-90	SMH-91	SMH-92	SMH-93	SMH-94	SMH-95	SMH-96	SMH-97	SMH-98	SMH-99
AGS Ref.										
Depth	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	0.00 - 0.00	0.00 - 0.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014
Asbestos Quantification - Full										09-Jun-2014
EPH CWG (Aliphatic) GC (S)	22-May-2014	27-May-2014	27-May-2014	27-May-2014	23-May-2014	27-May-2014	23-May-2014	23-May-2014	27-May-2014	23-May-2014
EPH CWG (Aromatic) GC (S)	22-May-2014	27-May-2014	27-May-2014	27-May-2014	23-May-2014	27-May-2014	23-May-2014	23-May-2014	27-May-2014	23-May-2014
GRO by GC-FID (S)	28-May-2014	27-May-2014	25-May-2014	27-May-2014	27-May-2014	28-May-2014	25-May-2014	27-May-2014	25-May-2014	25-May-2014
Metals in solid samples by OES	27-May-2014	27-May-2014	27-May-2014	27-May-2014	23-May-2014	23-May-2014	27-May-2014	27-May-2014	27-May-2014	27-May-2014
PAH by GCMS	27-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014
pH	21-May-2014	21-May-2014	21-May-2014	21-May-2014	21-May-2014	21-May-2014	21-May-2014	21-May-2014	21-May-2014	21-May-2014
Sample description	19-May-2014	20-May-2014	20-May-2014	20-May-2014	20-May-2014	20-May-2014	20-May-2014	20-May-2014	20-May-2014	20-May-2014
Total Organic Carbon	27-May-2014	27-May-2014	27-May-2014	27-May-2014	27-May-2014	27-May-2014	27-May-2014	27-May-2014	27-May-2014	27-May-2014
TPH CWG GC (S)	28-May-2014	27-May-2014	27-May-2014	27-May-2014	27-May-2014	28-May-2014	25-May-2014	27-May-2014	27-May-2014	25-May-2014

Lab Sample No(s)	9298566	9298570	9298574	9298578	9298582	9298586	9298590	9298594	9298598	9298606
Customer Sample Ref.	SMH-100	SMH-101	SMH-102	SMH-103	SMH-104	SMH-105	SMH-106	SMH-107	SMH-108	SMH-109
AGS Ref.										
Depth	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	0.00 - 0.00	0.00 - 0.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014
EPH CWG (Aliphatic) GC (S)	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	27-May-2014	27-May-2014	27-May-2014	23-May-2014	27-May-2014
EPH CWG (Aromatic) GC (S)	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	27-May-2014	27-May-2014	27-May-2014	23-May-2014	27-May-2014
GRO by GC-FID (S)	27-May-2014	25-May-2014	27-May-2014	25-May-2014	27-May-2014	27-May-2014	27-May-2014	25-May-2014	25-May-2014	27-May-2014
Metals in solid samples by OES	23-May-2014	23-May-2014	27-May-2014	23-May-2014	27-May-2014	23-May-2014	23-May-2014	27-May-2014	27-May-2014	27-May-2014
PAH by GCMS	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014
pH	21-May-2014	21-May-2014	21-May-2014	21-May-2014	21-May-2014	21-May-2014	21-May-2014	21-May-2014	21-May-2014	21-May-2014
Sample description	20-May-2014	20-May-2014	20-May-2014	20-May-2014	20-May-2014	20-May-2014	20-May-2014	20-May-2014	20-May-2014	20-May-2014
Total Organic Carbon	27-May-2014	27-May-2014	27-May-2014	27-May-2014	27-May-2014	27-May-2014	27-May-2014	27-May-2014	27-May-2014	27-May-2014
TPH CWG GC (S)	27-May-2014	25-May-2014	27-May-2014	25-May-2014	27-May-2014	27-May-2014	27-May-2014	27-May-2014	25-May-2014	27-May-2014

Lab Sample No(s)	9298610	9298614	9298618	9298622	9298626	9298630	9298634	9298638	9298642	9298650
Customer Sample Ref.	SMH-110	SMH-111	SMH-112	SMH-113	SMH-114	SMH-115	SMH-116	SMH-117	SMH-118	SMH-119
AGS Ref.										
Depth	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	0.00 - 0.00	0.00 - 0.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014
EPH CWG (Aliphatic) GC (S)	27-May-2014	23-May-2014	24-May-2014	27-May-2014	27-May-2014	23-May-2014	27-May-2014	27-May-2014	23-May-2014	27-May-2014
EPH CWG (Aromatic) GC (S)	27-May-2014	23-May-2014	24-May-2014	27-May-2014	27-May-2014	23-May-2014	27-May-2014	27-May-2014	23-May-2014	27-May-2014
GRO by GC-FID (S)	25-May-2014	25-May-2014	27-May-2014	25-May-2014	25-May-2014	25-May-2014	25-May-2014	25-May-2014	25-May-2014	25-May-2014
Metals in solid samples by OES	27-May-2014	27-May-2014	27-May-2014	27-May-2014	27-May-2014	27-May-2014	23-May-2014	27-May-2014	27-May-2014	27-May-2014
PAH by GCMS	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	23-May-2014	27-May-2014
pH	21-May-2014	21-May-2014	20-May-2014	21-May-2014	21-May-2014	21-May-2014	21-May-2014	21-May-2014	21-May-2014	20-May-2014
Sample description	20-May-2014	20-May-2014	20-May-2014	20-May-2014	20-May-2014	20-May-2014	20-May-2014	20-May-2014	20-May-2014	20-May-2014
Total Organic Carbon	27-May-2014	27-May-2014	27-May-2014	27-May-2014	27-May-2014	27-May-2014	27-May-2014	28-May-2014	27-May-2014	27-May-2014
TPH CWG GC (S)	27-May-2014	25-May-2014	27-May-2014	27-May-2014	27-May-2014	25-May-2014	27-May-2014	27-May-2014	25-May-2014	27-May-2014

Lab Sample No(s)	9298654
Customer Sample Ref.	SMH-120
AGS Ref.	
Depth	0.00 - 0.00
Type	SOLID
Asbestos ID in Solid Samples	23-May-2014
EPH CWG (Aliphatic) GC (S)	23-May-2014
EPH CWG (Aromatic) GC (S)	23-May-2014
GRO by GC-FID (S)	25-May-2014
Metals in solid samples by OES	27-May-2014
PAH by GCMS	27-May-2014
pH	21-May-2014
Sample description	20-May-2014
Total Organic Carbon	27-May-2014
TPH CWG GC (S)	25-May-2014

SDG:	140517-16	**Location:**	Coed Darcy	**Order Number:**	CD0679
Job:	H_ATKINS_LDC-220	**Customer:**	Atkins Global Ltd	**Report Number:**	272880
Client Reference:	Phase 2 validation	**Attention:**	Jack Lowrie	**Superseded Report:**	271361

Appendix

General

1. Results are expressed on a dry weight basis (dried at 35ºC) 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 Dimethyphenol, 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 presevation 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.

ALcontrol Laboratories

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Coed Darcy
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Attention: Jack Lowrie

CERTIFICATE OF ANALYSIS

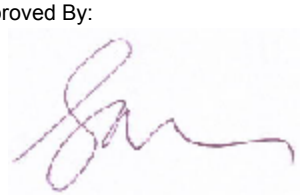
Date:	04 November 2014
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	141006-48
Your Reference:	Phase 31
Location:	Coed Darcy
Report No:	290610

We received 20 samples on Monday October 06, 2014 and 20 of these samples were scheduled for analysis which was completed on Tuesday November 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

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Registered Office: Units 7 & 8 Hawarden Business Park, Manor Road, Hawarden, Deeside, CH5 3US. Registered in England and Wales No.

CERTIFICATE OF ANALYSIS

SDG:	141006-48	**Location:**	Coed Darcy	**Order Number:**	CD0878
Job:	H_ATKINS_LDC-264	**Customer:**	Atkins Global Ltd	**Report Number:**	290610
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
10130117	P2TP56		0.50	03/10/2014
10129912	P2TP56		1.50	03/10/2014
10129921	P2TP57		0.50	03/10/2014
10129926	P2TP57		1.50	03/10/2014
10129935	P2TP58		0.50	03/10/2014
10129943	P2TP58		1.50	03/10/2014
10129955	P2TP59		0.50	03/10/2014
10129968	P2TP59		1.50	03/10/2014
10129980	P2TP60		0.50	03/10/2014
10129997	P2TP61		0.50	03/10/2014
10130012	P2TP62		0.50	03/10/2014
10154291	P2TP65		1.00	03/10/2014
10129903	P2TP66		0.50	03/10/2014
10130030	P2TP66		1.00	03/10/2014
10130043	P2TP67		0.50	03/10/2014
10130058	P2TP67		1.50	03/10/2014
10130070	P2TP68		0.50	03/10/2014
10130083	P2TP68		1.50	03/10/2014
10130095	P2TP69		0.50	03/10/2014
10130106	P2TP69		1.50	03/10/2014

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

ALcontrol Laboratories

CERTIFICATE OF ANALYSIS

Validated

SDG: 141006-48
Job: H_ATKINS_LDC-264
Client Reference: Phase 31
Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Jack Lowrie
Order Number: CD0878
Report Number: 290610
Superseded Report:

SOLID

Results Legend

- X Test
- N No Determination Possible

SOLID	Lab Sample No(s)		10130117			10129912			10129921			10129926			10129935			10129943			10129955			10129968			10129980			10129997			10130012			10154291			10129903			10130030
	Customer Sample Reference		P2TP56			P2TP56			P2TP57			P2TP57			P2TP58			P2TP58			P2TP59			P2TP59			P2TP60			P2TP61			P2TP62			P2TP65			P2TP66			P2TP66
	AGS Reference																																									
	Depth (m)		0.50			1.50			0.50			1.50			0.50			1.50			0.50			1.50			0.50			0.50			0.50			1.00			0.50			1.00
	Container		250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL
Asbestos fibres in Soil*	All	NDPs: 0 Tests: 18		X			X						X			X			X			X			X			X			X			X						X		
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 2							X																												X					
Asbestos Quantification - Full	All	NDPs: 0 Tests: 8		X						X			X									X						X									X					
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 20	X			X			X			X			X			X			X			X			X			X			X			X			X			X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 20	X			X			X			X			X			X			X			X			X			X			X			X			X			X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 20			X			X			X			X			X			X			X			X			X			X			X			X			X	X
Metals in solid samples by OES	All	NDPs: 0 Tests: 20	X			X			X			X			X			X			X			X			X			X			X			X			X			X
PAH by GCMS	All	NDPs: 0 Tests: 20	X			X			X			X			X			X			X			X			X			X			X			X			X			X
pH	All	NDPs: 0 Tests: 20		X			X		X				X			X			X			X			X			X			X			X			X			X		
Sample description	All	NDPs: 0 Tests: 20	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Total Organic Carbon	All	NDPs: 0 Tests: 4							X																		X												X			
TPH CWG GC (S)	All	NDPs: 0 Tests: 20	X			X			X			X			X			X			X			X			X			X			X			X			X			X

14:50:24 04/11/2014

CERTIFICATE OF ANALYSIS

SDG:	141006-48	**Location:**	Coed Darcy	**Order Number:**	CD0878
Job:	H_ATKINS_LDC-264	**Customer:**	Atkins Global Ltd	**Report Number:**	290610
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

SOLID

Results Legend

X **Test**

N **No Determination Possible**

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
Asbestos fibres in Soil*	All	NDPs: 0 Tests: 18	10130030	P2TP66		1.00	400g Tub (ALE214)
			10130043	P2TP67		0.50	250g Amber Jar (AL
			10130058	P2TP67		1.50	400g Tub (ALE214)
			10130070	P2TP68		0.50	60g VOC (ALE215)
			10130083	P2TP68		1.50	250g Amber Jar (AL
			10130095	P2TP69		0.50	400g Tub (ALE214)
			10130106	P2TP69		1.50	60g VOC (ALE215)
Asbestos Quantification - Full	All	NDPs: 0 Tests: 8					
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 20					
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 20					
GRO by GC-FID (S)	All	NDPs: 0 Tests: 20					
Metals in solid samples by OES	All	NDPs: 0 Tests: 20					
PAH by GCMS	All	NDPs: 0 Tests: 20					
pH	All	NDPs: 0 Tests: 20					
Sample description	All	NDPs: 0 Tests: 20					
Total Organic Carbon	All	NDPs: 0 Tests: 4					
TPH CWG GC (S)	All	NDPs: 0 Tests: 20					

CERTIFICATE OF ANALYSIS

SDG:	141006-48	**Location:**	Coed Darcy	**Order Number:**	CD0878
Job:	H_ATKINS_LDC-264	**Customer:**	Atkins Global Ltd	**Report Number:**	290610
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

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
10129912	P2TP56	1.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Tile/Insulation Board	Stones
10130117	P2TP56	0.50	Grey	Loamy Sand	0.1 - 2 mm	Stones	None
10129921	P2TP57	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
10129926	P2TP57	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
10129935	P2TP58	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
10129943	P2TP58	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
10129955	P2TP59	0.50	Dark Brown	Silt Loam	0.063 - 0.1 mm	Stones	N/A
10129968	P2TP59	1.50	Dark Brown	Silt Loam	0.063 - 0.1 mm	Stones	Crushed Brick
10129980	P2TP60	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
10129997	P2TP61	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Vegetation	Stones
10130012	P2TP62	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Vegetation	Stones
10154291	P2TP65	1.00	Light Brown	Silt Loam	0.063 - 0.1 mm	Stones	None
10129903	P2TP66	0.50	Light Brown	Sandy Loam	0.1 - 2 mm	Stones	None
10130030	P2TP66	1.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
10130043	P2TP67	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
10130058	P2TP67	1.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
10130070	P2TP68	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
10130083	P2TP68	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
10130095	P2TP69	0.50	Dark Brown	Sandy Loam	2 - 10 mm	Stones	None
10130106	P2TP69	1.50	Grey	Loamy Sand	2 - 10 mm	Stones	Crushed Brick

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 ocurring 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.

CERTIFICATE OF ANALYSIS

SDG:	141006-48	**Location:**	Coed Darcy	**Order Number:**	CD0878
Job:	H_ATKINS_LDC-264	**Customer:**	Atkins Global Ltd	**Report Number:**	290610
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	P2TP56	P2TP56	P2TP57	P2TP57	P2TP58	P2TP58
			Depth (m)	0.50	1.50	0.50	1.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	03/10/2014	03/10/2014	03/10/2014	03/10/2014	03/10/2014	03/10/2014
			Sample Time	.	.	.	.	.	.
			Date Received	06/10/2014	06/10/2014	06/10/2014	06/10/2014	06/10/2014	06/10/2014
			SDG Ref	141006-48	141006-48	141006-48	141006-48	141006-48	141006-48
			Lab Sample No.(s)	10130117	10129912	10129921	10129926	10129935	10129943
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		8.7	8.2	7	7.7	7.4	9.6
Actinolite*	-	SUB (ASB)		Not Detected #	Not Detected #		Not Detected #	Not Detected #	Not Detected #
Amosite*	-	SUB (ASB)		Not Detected #	Not Detected #		Not Detected #	Not Detected #	Not Detected #
Anthophyllite*	-	SUB (ASB)		Not Detected #	Not Detected #		Not Detected #	Not Detected #	Not Detected #
Chrysotile*	-	SUB (ASB)		Detected #	Not Detected #		Detected #	Not Detected #	Not Detected #
Crocidolite*	-	SUB (ASB)		Not Detected #	Not Detected #		Not Detected #	Not Detected #	Not Detected #
Tremolite*	-	SUB (ASB)		Not Detected #	Not Detected #		Not Detected #	Not Detected #	Not Detected #
Non-Asbestos Fibres Detected	-	SUB (ASB)		Not Detected #	Not Detected #		Not Detected #	Not Detected #	Not Detected #
Soil Organic Matter (SOM)	<0.35 %	TM132				2.24 #			
pH	1 pH Units	TM133		8.13 M	8.51 M	7.99 M	8.05 M	7.91 M	7.98 M
Arsenic	<0.6 mg/kg	TM181		23.2 M	16 M	15.4 M	26 M	15.4 M	20.1 M
Cadmium	<0.02 mg/kg	TM181		0.632 M	0.03 M	0.0973 M	0.275 M	0.159 M	0.223 M
Chromium	<0.9 mg/kg	TM181		17.1 M	18.1 M	13 M	19.6 M	13.2 M	36.9 M
Copper	<1.4 mg/kg	TM181		75.2 M	43 M	33.5 M	92.9 M	38 M	59.9 M
Lead	<0.7 mg/kg	TM181		77.9 M	112 M	43.9 M	141 M	53.6 M	111 M
Mercury	<0.14 mg/kg	TM181		0.524 M	0.344 M	0.569 M	0.337 M	0.86 M	0.367 M
Nickel	<0.2 mg/kg	TM181		30.8 M	36.8 M	22.3 M	26.3 M	22.8 M	28.3 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	1.25 #
Vanadium	<0.2 mg/kg	TM181		20.4 #	17.1 #	14 #	18.6 #	14.9 #	18 #
Zinc	<1.9 mg/kg	TM181		283 M	159 M	128 M	420 M	152 M	264 M

CERTIFICATE OF ANALYSIS

SDG:	141006-48	**Location:**	Coed Darcy	**Order Number:**	CD0878
Job:	H_ATKINS_LDC-264	**Customer:**	Atkins Global Ltd	**Report Number:**	290610
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	P2TP59	P2TP59	P2TP60	P2TP61	P2TP62	P2TP65
			Depth (m)	0.50	1.50	0.50	0.50	0.50	1.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	03/10/2014	03/10/2014	03/10/2014	03/10/2014	03/10/2014	03/10/2014
			Sample Time	.	.	.	.	.	.
			Date Received	06/10/2014	06/10/2014	06/10/2014	06/10/2014	06/10/2014	06/10/2014
			SDG Ref	141006-48	141006-48	141006-48	141006-48	141006-48	141006-48
			Lab Sample No.(s)	10129955	10129968	10129980	10129997	10130012	10154291
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		8.8	9.4	8.5	8	10	6.9
Actinolite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	
Amosite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	
Anthophyllite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	
Chrysotile*	-	SUB (ASB)		Detected #	Not Detected #	Detected #	Not Detected #	Not Detected #	
Crocidolite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	
Tremolite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	
Non-Asbestos Fibres Detected	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	
Soil Organic Matter (SOM)	<0.35 %	TM132				2.52 #			
pH	1 pH Units	TM133		8.18 M	7.79 M	8.09 M	8.16 M	8.36 M	8.16 M
Arsenic	<0.6 mg/kg	TM181		18.9 M	23.6 M	14.9 M	15.6 M	23.9 M	15.7 M
Cadmium	<0.02 mg/kg	TM181		0.366 M	0.351 M	0.0629 M	0.169 M	0.473 M	0.433 M
Chromium	<0.9 mg/kg	TM181		16 M	18.9 M	15.2 M	14.1 M	16.5 M	16.6 M
Copper	<1.4 mg/kg	TM181		42 M	59.6 M	33 M	37.4 M	75 M	36.6 M
Lead	<0.7 mg/kg	TM181		83 M	110 M	45 M	67.8 M	212 M	66.3 M
Mercury	<0.14 mg/kg	TM181		0.188 M	0.224 M	0.322 M	0.693 M	0.532 M	0.627 M
Nickel	<0.2 mg/kg	TM181		29.8 M	28 M	28.7 M	31.8 M	28 M	30.9 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	1.06 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		18.7 #	19.9 #	14.4 #	15 #	20.2 #	17 #
Zinc	<1.9 mg/kg	TM181		219 M	253 M	134 M	178 M	305 M	183 M

CERTIFICATE OF ANALYSIS

SDG:	141006-48	**Location:**	Coed Darcy	**Order Number:**	CD0878
Job:	H_ATKINS_LDC-264	**Customer:**	Atkins Global Ltd	**Report Number:**	290610
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	P2TP66	P2TP66	P2TP67	P2TP67	P2TP68	P2TP68
			Depth (m)	0.50	1.00	0.50	1.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	03/10/2014	03/10/2014	03/10/2014	03/10/2014	03/10/2014	03/10/2014
			Sample Time	.	.	.	.	.	.
			Date Received	06/10/2014	06/10/2014	06/10/2014	06/10/2014	06/10/2014	06/10/2014
			SDG Ref	141006-48	141006-48	141006-48	141006-48	141006-48	141006-48
			Lab Sample No.(s)	10129903	10130030	10130043	10130058	10130070	10130083
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		6.9	9	9.5	9.4	7.5	7.6
Actinolite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Amosite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Anthophyllite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Chrysotile*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Crocidolite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Tremolite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Non-Asbestos Fibres Detected	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Soil Organic Matter (SOM)	<0.35 %	TM132		2.02 #					
pH	1 pH Units	TM133		8.35 M	8.04 M	8.29 M	8.15 M	8.21 M	8 M
Arsenic	<0.6 mg/kg	TM181		12.8 M	16.6 M	17.1 M	17.9 M	16.9 M	25.7 M
Cadmium	<0.02 mg/kg	TM181		0.0557 M	0.0972 M	0.157 M	0.234 M	0.135 M	0.105 M
Chromium	<0.9 mg/kg	TM181		14.7 M	14.2 M	17.4 M	14.3 M	23.1 M	19.2 M
Copper	<1.4 mg/kg	TM181		26.9 M	60.6 M	43.7 M	45.5 M	41.6 M	40.1 M
Lead	<0.7 mg/kg	TM181		51 M	68.4 M	73.2 M	90.4 M	69.2 M	60 M
Mercury	<0.14 mg/kg	TM181		0.401 M	0.553 M	0.887 M	0.429 M	0.643 M	0.27 M
Nickel	<0.2 mg/kg	TM181		31.6 M	28.4 M	25.3 M	22.9 M	24.5 M	42.1 M
Selenium	<1 mg/kg	TM181		<1 #	1.3 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		13.5 #	15.4 #	19.1 #	15.2 #	20 #	16.3 #
Zinc	<1.9 mg/kg	TM181		153 M	236 M	208 M	222 M	162 M	204 M

CERTIFICATE OF ANALYSIS

SDG:	141006-48	**Location:**	Coed Darcy	**Order Number:**	CD0878
Job:	H_ATKINS_LDC-264	**Customer:**	Atkins Global Ltd	**Report Number:**	290610
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	P2TP69	P2TP69				
			Depth (m)	0.50	1.50				
			Sample Type	Soil/Solid	Soil/Solid				
			Date Sampled	03/10/2014	03/10/2014				
			Sample Time	.	.				
			Date Received	06/10/2014	06/10/2014				
			SDG Ref	141006-48	141006-48				
			Lab Sample No.(s)	10130095	10130106				
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		11	9.3				
Actinolite*	-	SUB (ASB)		Not Detected #	Not Detected #				
Amosite*	-	SUB (ASB)		Not Detected #	Not Detected #				
Anthophyllite*	-	SUB (ASB)		Not Detected #	Not Detected #				
Chrysotile*	-	SUB (ASB)		Detected #	Detected #				
Crocidolite*	-	SUB (ASB)		Not Detected #	Not Detected #				
Tremolite*	-	SUB (ASB)		Not Detected #	Not Detected #				
Non-Asbestos Fibres Detected	-	SUB (ASB)		Not Detected #	Not Detected #				
Soil Organic Matter (SOM)	<0.35 %	TM132			1.98 #				
pH	1 pH Units	TM133		8.27 M	8.39 M				
Arsenic	<0.6 mg/kg	TM181		26.5 M	16.2 M				
Cadmium	<0.02 mg/kg	TM181		0.657 M	0.354 M				
Chromium	<0.9 mg/kg	TM181		17 M	16.5 M				
Copper	<1.4 mg/kg	TM181		471 M	40.9 M				
Lead	<0.7 mg/kg	TM181		98.3 M	52.8 M				
Mercury	<0.14 mg/kg	TM181		0.875 M	0.751 M				
Nickel	<0.2 mg/kg	TM181		29.1 M	31.8 M				
Selenium	<1 mg/kg	TM181		<1 #	<1 #				
Vanadium	<0.2 mg/kg	TM181		20.7 #	17.7 #				
Zinc	<1.9 mg/kg	TM181		240 M	187 M				

CERTIFICATE OF ANALYSIS

SDG:	141006-48	**Location:**	Coed Darcy	**Order Number:**	CD0878
Job:	H_ATKINS_LDC-264	**Customer:**	Atkins Global Ltd	**Report Number:**	290610
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	P2TP56	P2TP56	P2TP57	P2TP57	P2TP58	P2TP58
			Depth (m)	0.50	1.50	0.50	1.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	03/10/2014	03/10/2014	03/10/2014	03/10/2014	03/10/2014	03/10/2014
			Sample Time	.	.	.	.	.	.
			Date Received	06/10/2014	06/10/2014	06/10/2014	06/10/2014	06/10/2014	06/10/2014
			SDG Ref	141006-48	141006-48	141006-48	141006-48	141006-48	141006-48
			Lab Sample No.(s)	10130117	10129912	10129921	10129926	10129935	10129943
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		98.9	101	97.4	98	104	102
Acenaphthene-d10 % recovery**	%	TM218		96.7	104	95.5	95.8	108	101
Phenanthrene-d10 % recovery**	%	TM218		95.7	102	95	96.5	105	101
Chrysene-d12 % recovery**	%	TM218		94.9	92.9	95.6	100	97.2	93.4
Perylene-d12 % recovery**	%	TM218		99.8	103	102	107	106	98.4
Naphthalene	<9 µg/kg	TM218		44.7 M	65 M	51.6 M	163 M	96.8 M	52.9 M
Acenaphthylene	<12 µg/kg	TM218		19.1 M	<12 M	14.5 M	227 M	17.2 M	25.2 M
Acenaphthene	<8 µg/kg	TM218		104 M	23.3 M	26.8 M	1850 M	48 M	18.8 M
Fluorene	<10 µg/kg	TM218		131 M	43.4 M	46.4 M	3020 M	80.1 M	51.1 M
Phenanthrene	<15 µg/kg	TM218		703 M	262 M	253 M	38100 M	366 M	329 M
Anthracene	<16 µg/kg	TM218		137 M	53.1 M	66.1 M	8710 M	82.1 M	67 M
Fluoranthene	<17 µg/kg	TM218		689 M	310 M	276 M	58200 M	317 M	403 M
Pyrene	<15 µg/kg	TM218		555 M	312 M	360 M	36300 M	430 M	419 M
Benz(a)anthracene	<14 µg/kg	TM218		426 M	205 M	262 M	36100 M	276 M	275 M
Chrysene	<10 µg/kg	TM218		473 M	232 M	415 M	30300 M	446 M	274 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		613 M	337 M	452 M	39600 M	476 M	324 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		189 M	98.5 M	119 M	13300 M	156 M	109 M
Benzo(a)pyrene	<15 µg/kg	TM218		391 M	214 M	305 M	23000 M	349 M	253 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		242 M	118 M	187 M	12300 M	204 M	151 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		104 M	47.9 M	84.7 M	5860 M	95.9 M	61.9 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		271 M	146 M	225 M	11800 M	275 M	180 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		5090	2470	3150	319000	3720	2990

CERTIFICATE OF ANALYSIS

SDG:	141006-48	**Location:**	Coed Darcy	**Order Number:**	CD0878
Job:	H_ATKINS_LDC-264	**Customer:**	Atkins Global Ltd	**Report Number:**	290610
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	P2TP59	P2TP59	P2TP60	P2TP61	P2TP62	P2TP65
			Depth (m)	0.50	1.50	0.50	0.50	0.50	1.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	03/10/2014	03/10/2014	03/10/2014	03/10/2014	03/10/2014	03/10/2014
			Sample Time	.	.	.	.	.	.
			Date Received	06/10/2014	06/10/2014	06/10/2014	06/10/2014	06/10/2014	06/10/2014
			SDG Ref	141006-48	141006-48	141006-48	141006-48	141006-48	141006-48
			Lab Sample No.(s)	10129955	10129968	10129980	10129997	10130012	10154291
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		99.1	99.3	97.2	103	102	97.5
Acenaphthene-d10 % recovery**	%	TM218		103	103	95.3	102	101	97.2
Phenanthrene-d10 % recovery**	%	TM218		103	103	94.3	102	101	95.1
Chrysene-d12 % recovery**	%	TM218		96.2	95.9	95	93	92.4	103
Perylene-d12 % recovery**	%	TM218		103	102	102	99.3	99.6	112
Naphthalene	<9 µg/kg	TM218		56.1 M	124 M	61.6 M	76.3 M	48.7 M	110 @ M
Acenaphthylene	<12 µg/kg	TM218		16.2 M	27.3 M	17.2 M	13.7 M	18.5 M	17.4 @ M
Acenaphthene	<8 µg/kg	TM218		27.7 M	55.2 M	33.5 M	16.5 M	15.3 M	37.3 @ M
Fluorene	<10 µg/kg	TM218		65.2 M	121 M	62.6 M	63.4 M	33.7 M	81.9 @ M
Phenanthrene	<15 µg/kg	TM218		178 M	494 M	266 M	290 M	286 M	361 @ M
Anthracene	<16 µg/kg	TM218		49.7 M	92.4 M	59.9 M	60.3 M	51 M	77 @ M
Fluoranthene	<17 µg/kg	TM218		155 M	370 M	249 M	253 M	294 M	355 @ M
Pyrene	<15 µg/kg	TM218		234 M	544 M	369 M	386 M	313 M	440 @ M
Benz(a)anthracene	<14 µg/kg	TM218		104 M	320 M	263 M	230 M	204 M	335 @ M
Chrysene	<10 µg/kg	TM218		179 M	649 M	428 M	336 M	265 M	509 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		149 M	419 M	398 M	307 M	297 M	507 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		54 M	145 M	113 M	118 M	106 M	164 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		117 M	311 M	271 M	277 M	224 M	347 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		67.1 M	169 M	146 M	167 M	138 M	210 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		32.9 M	86 M	73.1 M	76.6 M	55 M	99.3 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		91.6 M	214 M	205 M	213 M	172 M	258 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		1580	4140	3010	2890	2520	3910

CERTIFICATE OF ANALYSIS

SDG:	141006-48	**Location:**	Coed Darcy	**Order Number:**	CD0878
Job:	H_ATKINS_LDC-264	**Customer:**	Atkins Global Ltd	**Report Number:**	290610
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	P2TP66	P2TP66	P2TP67	P2TP67	P2TP68	P2TP68
			Depth (m)	0.50	1.00	0.50	1.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	03/10/2014	03/10/2014	03/10/2014	03/10/2014	03/10/2014	03/10/2014
			Sample Time	.	.	.	.	.	.
			Date Received	06/10/2014	06/10/2014	06/10/2014	06/10/2014	06/10/2014	06/10/2014
			SDG Ref	141006-48	141006-48	141006-48	141006-48	141006-48	141006-48
			Lab Sample No.(s)	10129903	10130030	10130043	10130058	10130070	10130083
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		96.4	93	91.9	90.7	102	101
Acenaphthene-d10 % recovery**	%	TM218		96.7	93.1	92.2	89.6	104	102
Phenanthrene-d10 % recovery**	%	TM218		98	93.9	92.9	89.1	102	101
Chrysene-d12 % recovery**	%	TM218		94.4	91.1	90	88.4	94.5	93.5
Perylene-d12 % recovery**	%	TM218		102	96.3	96.1	92.9	105	106
Naphthalene	<9 µg/kg	TM218		84.3 M	76.9 M	106 M	132 M	65 M	98.4 M
Acenaphthylene	<12 µg/kg	TM218		13.7 M	<12 M	21 M	<12 M	<12 M	20.8 M
Acenaphthene	<8 µg/kg	TM218		32.2 M	33.6 M	45.7 M	61.3 M	30.8 M	39.8 M
Fluorene	<10 µg/kg	TM218		74.7 M	76.2 M	120 M	98.1 M	61.4 M	72.9 M
Phenanthrene	<15 µg/kg	TM218		344 M	357 M	1070 M	271 M	269 M	450 M
Anthracene	<16 µg/kg	TM218		63.4 M	63.1 M	194 M	109 M	61.9 M	72.7 M
Fluoranthene	<17 µg/kg	TM218		331 M	268 M	436 M	242 M	254 M	373 M
Pyrene	<15 µg/kg	TM218		495 M	363 M	1030 M	387 M	345 M	423 M
Benz(a)anthracene	<14 µg/kg	TM218		265 M	287 M	1790 M	203 M	218 M	287 M
Chrysene	<10 µg/kg	TM218		543 M	735 M	7180 M	258 M	297 M	317 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		480 M	452 M	1030 M	294 M	380 M	563 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		158 M	133 M	320 M	87.4 M	126 M	150 M
Benzo(a)pyrene	<15 µg/kg	TM218		338 M	296 M	969 M	195 M	273 M	377 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		185 M	165 M	368 M	111 M	153 M	207 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		83.4 M	75.6 M	404 M	62.4 M	68.6 M	82 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		213 M	195 M	432 M	139 M	184 M	262 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		3700	3580	15500	2650	2790	3790

CERTIFICATE OF ANALYSIS

SDG:	141006-48	**Location:**	Coed Darcy	**Order Number:**	CD0878
Job:	H_ATKINS_LDC-264	**Customer:**	Atkins Global Ltd	**Report Number:**	290610
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	P2TP69	P2TP69				
			Depth (m)	0.50	1.50				
			Sample Type	Soil/Solid	Soil/Solid				
			Date Sampled	03/10/2014	03/10/2014				
			Sample Time	.	.				
			Date Received	06/10/2014	06/10/2014				
			SDG Ref	141006-48	141006-48				
			Lab Sample No.(s)	10130095	10130106				
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		97.5	104				
Acenaphthene-d10 % recovery**	%	TM218		95.5	102				
Phenanthrene-d10 % recovery**	%	TM218		94.6	102				
Chrysene-d12 % recovery**	%	TM218		91.1	101				
Perylene-d12 % recovery**	%	TM218		94.9	106				
Naphthalene	<9 µg/kg	TM218		31 M	51 M				
Acenaphthylene	<12 µg/kg	TM218		25.5 M	15.7 M				
Acenaphthene	<8 µg/kg	TM218		26.6 M	21.1 M				
Fluorene	<10 µg/kg	TM218		32 M	43.9 M				
Phenanthrene	<15 µg/kg	TM218		393 M	285 M				
Anthracene	<16 µg/kg	TM218		69.1 M	52.5 M				
Fluoranthene	<17 µg/kg	TM218		482 M	314 M				
Pyrene	<15 µg/kg	TM218		393 M	316 M				
Benz(a)anthracene	<14 µg/kg	TM218		284 M	216 M				
Chrysene	<10 µg/kg	TM218		313 M	279 M				
Benzo(b)fluoranthene	<15 µg/kg	TM218		473 M	346 M				
Benzo(k)fluoranthene	<14 µg/kg	TM218		154 M	109 M				
Benzo(a)pyrene	<15 µg/kg	TM218		301 M	230 M				
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		179 M	138 M				
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		69.5 M	60.8 M				
Benzo(g,h,i)perylene	<24 µg/kg	TM218		217 M	181 M				
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		3440	2660				

CERTIFICATE OF ANALYSIS

SDG:	141006-48	**Location:**	Coed Darcy	**Order Number:**	CD0878
Job:	H_ATKINS_LDC-264	**Customer:**	Atkins Global Ltd	**Report Number:**	290610
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	P2TP56	P2TP56	P2TP57	P2TP57	P2TP58	P2TP58
			Depth (m)	0.50	1.50	0.50	1.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	03/10/2014	03/10/2014	03/10/2014	03/10/2014	03/10/2014	03/10/2014
			Sample Time	.	.	.	.	.	.
			Date Received	06/10/2014	06/10/2014	06/10/2014	06/10/2014	06/10/2014	06/10/2014
			SDG Ref	141006-48	141006-48	141006-48	141006-48	141006-48	141006-48
			Lab Sample No.(s)	10130117	10129912	10129921	10129926	10129935	10129943
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		87 @	88 @	83 @	88 @	82	82
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		3130 @ M	2410 @ M	4760 @ M	15000 @ M	2110 M	8960 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	21.8 @ M	14 @ M	<8 @ M	37.8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 M	33.3 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	95.5 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 @	<9 @	<9 @	<9 @	<36	95.5
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 @	<24 @	<24 @	<24 @	<96	129
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 @	51.2 @	<40 @	47.7 @	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		67.9 @	156 @	105 @	332 @	85.3	273
Aliphatics >C8-C10	<10 µg/kg	TM089		372 @	339 @	692 @	2730 @	232	1450
Aliphatics >C10-C12	<10 µg/kg	TM089		1450 @	949 @	2070 @	6040 @	931	3660
Aliphatics >C12-C16	<100 µg/kg	TM173		29900	41800	113000	291000	114000	99900
Aliphatics >C16-C21	<100 µg/kg	TM173		55600	69600	158000	281000	141000	125000
Aliphatics >C21-C35	<100 µg/kg	TM173		108000	111000	330000	415000	512000	230000
Aliphatics >C35-C44	<100 µg/kg	TM173		30400	33200	118000	91000	112000	50300
Total Aliphatics >C12-C44	<100 µg/kg	TM173		224000	256000	719000	1080000	879000	505000
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		249 @	240 @	464 @	1820 @	170	1100
Aromatics >EC10-EC12	<10 µg/kg	TM089		964 @	633 @	1380 @	4020 @	620	2440
Aromatics >EC12-EC16	<100 µg/kg	TM173		2960	3170	4080	10600	4970	12000
Aromatics >EC16-EC21	<100 µg/kg	TM173		15500	14100	23200	49600	18100	48000
Aromatics >EC21-EC35	<100 µg/kg	TM173		73600	49300	116000	186000	119000	139000
Aromatics >EC35-EC44	<100 µg/kg	TM173		23900	18700	50400	62000	45300	48000
Aromatics >EC40-EC44	<100 µg/kg	TM173		8340	7060	20200	23200	16200	17800
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		116000	85200	193000	308000	187000	247000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		343000	343000	917000	1400000	1070000	761000

CERTIFICATE OF ANALYSIS

SDG:	141006-48	**Location:**	Coed Darcy	**Order Number:**	CD0878
Job:	H_ATKINS_LDC-264	**Customer:**	Atkins Global Ltd	**Report Number:**	290610
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

TPH CWG (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	P2TP59	P2TP59	P2TP60	P2TP61	P2TP62	P2TP65
			Depth (m)	0.50	1.50	0.50	0.50	0.50	1.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	03/10/2014	03/10/2014	03/10/2014	03/10/2014	03/10/2014	03/10/2014
			Sample Time	.	.	.	.	.	.
			Date Received	06/10/2014	06/10/2014	06/10/2014	06/10/2014	06/10/2014	06/10/2014
			SDG Ref	141006-48	141006-48	141006-48	141006-48	141006-48	141006-48
			Lab Sample No.(s)	10129955	10129968	10129980	10129997	10130012	10154291
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		74	76	81	83	91	86 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		7440 M	7660 M	6270 M	4970 M	996 M	2990 @ 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		15.4 M	24.2 M	15.3 M	32.6 M	<8 M	10.7 @ M
Ethylbenzene	<3 µg/kg	TM089		24.1 M	37.4 M	14.2 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		42.8 M	59.4 M	29.5 M	22.8 M	<12 M	<12 @ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		42.8	59.4	<36	<36	<36	<9 @
sum of detected BTEX by GC	<24 µg/kg	TM089		<96	121	<96	<96	<96	<24 @
Aliphatics >C5-C6	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40 @
Aliphatics >C6-C8	<10 µg/kg	TM089		173	259	122	80.4	43.3	95.6 @
Aliphatics >C8-C10	<10 µg/kg	TM089		994	1080	696	599	104	372 @
Aliphatics >C10-C12	<10 µg/kg	TM089		3280	3240	2920	2270	455	1330 @
Aliphatics >C12-C16	<100 µg/kg	TM173		131000	144000	38500	126000	25300	101000
Aliphatics >C16-C21	<100 µg/kg	TM173		132000	140000	56700	164000	37200	141000
Aliphatics >C21-C35	<100 µg/kg	TM173		195000	243000	117000	342000	85400	244000
Aliphatics >C35-C44	<100 µg/kg	TM173		45100	66300	32000	106000	29300	67500
Total Aliphatics >C12-C44	<100 µg/kg	TM173		504000	593000	244000	739000	177000	555000
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		736	838	519	437	72.2	257 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		2190	2160	1950	1510	303	889 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		25900	27300	2570	12700	3220	19200
Aromatics >EC16-EC21	<100 µg/kg	TM173		78100	76600	11900	47900	17000	66200
Aromatics >EC21-EC35	<100 µg/kg	TM173		163000	185000	57200	158000	60300	191000
Aromatics >EC35-EC44	<100 µg/kg	TM173		51100	63800	26400	57500	29700	73400
Aromatics >EC40-EC44	<100 µg/kg	TM173		19500	24300	10600	21300	13300	26900
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		318000	352000	98100	276000	110000	350000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		829000	953000	349000	1020000	288000	908000

CERTIFICATE OF ANALYSIS

SDG:	141006-48	**Location:**	Coed Darcy	**Order Number:**	CD0878
Job:	H_ATKINS_LDC-264	**Customer:**	Atkins Global Ltd	**Report Number:**	290610
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	P2TP66	P2TP66	P2TP67	P2TP67	P2TP68	P2TP68
			Depth (m)	0.50	1.00	0.50	1.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	03/10/2014	03/10/2014	03/10/2014	03/10/2014	03/10/2014	03/10/2014
			Sample Time	.	.	.	.	.	.
			Date Received	06/10/2014	06/10/2014	06/10/2014	06/10/2014	06/10/2014	06/10/2014
			SDG Ref	141006-48	141006-48	141006-48	141006-48	141006-48	141006-48
			Lab Sample No.(s)	10129903	10130030	10130043	10130058	10130070	10130083
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		76	90 2	82	84	86 @	92 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		2340 M	1170 2 M	3690 M	19100 M	4540 @ M	3440 @ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 M	<20 2 M	<20 M	<20 M	<20 @ M	<20 @ M
Benzene	<10 µg/kg	TM089		<40 M	<40 2 M	<40 M	<40 M	<40 @ M	<40 @ M
Toluene	<2 µg/kg	TM089		29 M	17.6 2 M	31.9 M	<8 M	13 @ M	10.8 @ M
Ethylbenzene	<3 µg/kg	TM089		<12 M	<12 2 M	<12 M	<12 M	<12 @ M	<12 @ M
m,p-Xylene	<6 µg/kg	TM089		<24 M	<24 2 M	<24 M	<24 M	<24 @ M	<24 @ M
o-Xylene	<3 µg/kg	TM089		<12 M	<12 2 M	<12 M	<12 M	<12 @ M	<12 @ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<36	<9 2	<36	<36	<9 @	<9 @
sum of detected BTEX by GC	<24 µg/kg	TM089		<96	<24 2	<96	<96	<24 @	<24 @
Aliphatics >C5-C6	<10 µg/kg	TM089		<40	<40 2	<40	<40	<40 @	58.4 @
Aliphatics >C6-C8	<10 µg/kg	TM089		82.7	60.4 2	55	540	76.8 @	155 @
Aliphatics >C8-C10	<10 µg/kg	TM089		309	158 2	488	3710	591 @	464 @
Aliphatics >C10-C12	<10 µg/kg	TM089		993	480 2	1650	7400	2060 @	1460 @
Aliphatics >C12-C16	<100 µg/kg	TM173		145000	65700	128000	264000	146000	57500
Aliphatics >C16-C21	<100 µg/kg	TM173		148000	94600	169000	308000	185000	90800
Aliphatics >C21-C35	<100 µg/kg	TM173		242000	222000	371000	534000	387000	152000
Aliphatics >C35-C44	<100 µg/kg	TM173		65600	79000	131000	122000	122000	46700
Total Aliphatics >C12-C44	<100 µg/kg	TM173		600000	462000	799000	1230000	840000	347000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40	<40 2	<40	<40	<40 @	<40 @
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40	<40 2	<40	<40	<40 @	<40 @
Aromatics >EC8-EC10	<10 µg/kg	TM089		216	110 2	337	2470	397 @	316 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		663	320 2	1100	4930	1370 @	975 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		6170	3840	5080	11800	6830	3230
Aromatics >EC16-EC21	<100 µg/kg	TM173		32300	18200	22300	73900	29000	9370
Aromatics >EC21-EC35	<100 µg/kg	TM173		106000	101000	172000	195000	145000	76100
Aromatics >EC35-EC44	<100 µg/kg	TM173		41400	40700	58700	63100	56700	31000
Aromatics >EC40-EC44	<100 µg/kg	TM173		16600	15100	20900	24000	21300	11300
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		186000	164000	258000	343000	238000	120000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		788000	627000	1060000	1590000	1080000	471000

CERTIFICATE OF ANALYSIS

SDG:	141006-48	**Location:**	Coed Darcy	**Order Number:**	CD0878
Job:	H_ATKINS_LDC-264	**Customer:**	Atkins Global Ltd	**Report Number:**	290610
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	P2TP69	P2TP69				
			Depth (m)	0.50	1.50				
			Sample Type	Soil/Solid	Soil/Solid				
			Date Sampled	03/10/2014	03/10/2014				
			Sample Time	.	.				
			Date Received	06/10/2014	06/10/2014				
			SDG Ref	141006-48	141006-48				
			Lab Sample No.(s)	10130095	10130106				
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		92 @	89 @				
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		260 @ M	1550 @ M				
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 @ M	<20 @ M				
Benzene	<10 µg/kg	TM089		<40 @ M	<40 @ M				
Toluene	<2 µg/kg	TM089		<8 @ M	<8 @ M				
Ethylbenzene	<3 µg/kg	TM089		<12 @ M	<12 @ M				
m,p-Xylene	<6 µg/kg	TM089		<24 @ M	<24 @ M				
o-Xylene	<3 µg/kg	TM089		<12 @ M	<12 @ M				
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 @	<9 @				
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 @	<24 @				
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 @	<40 @				
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 @	86.9 @				
Aliphatics >C8-C10	<10 µg/kg	TM089		54.2 @	212 @				
Aliphatics >C10-C12	<10 µg/kg	TM089		76.8 @	644 @				
Aliphatics >C12-C16	<100 µg/kg	TM173		5930	33700				
Aliphatics >C16-C21	<100 µg/kg	TM173		13900	62600				
Aliphatics >C21-C35	<100 µg/kg	TM173		40600	112000				
Aliphatics >C35-C44	<100 µg/kg	TM173		17400	30700				
Total Aliphatics >C12-C44	<100 µg/kg	TM173		77700	239000				
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 @	<40 @				
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 @	<40 @				
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40 @	145 @				
Aromatics >EC10-EC12	<10 µg/kg	TM089		52 @	429 @				
Aromatics >EC12-EC16	<100 µg/kg	TM173		129	2110				
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	4950				
Aromatics >EC21-EC35	<100 µg/kg	TM173		25100	54500				
Aromatics >EC35-EC44	<100 µg/kg	TM173		17000	22200				
Aromatics >EC40-EC44	<100 µg/kg	TM173		7020	8100				
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		42200	83800				
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		120000	325000				

CERTIFICATE OF ANALYSIS

SDG:	141006-48	**Location:**	Coed Darcy	**Order Number:**	CD0878
Job:	H_ATKINS_LDC-264	**Customer:**	Atkins Global Ltd	**Report Number:**	290610
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

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 Receieved SDG Original Sample Method Number	P2TP57 0.50 SOLID 03/10/2014 00:00:00 13/10/2014 17:27:32 141006-48 10129921 TM048	16/10/14	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 Receieved SDG Original Sample Method Number	P2TP65 1.00 SOLID 03/10/2014 00:00:00 15/10/2014 14:51:01 141006-48 10154291 TM048	16/10/14	Lauren Sargeant	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	141006-48	**Location:**	Coed Darcy	**Order Number:**	CD0878
Job:	H_ATKINS_LDC-264	**Customer:**	Atkins Global Ltd	**Report Number:**	290610
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

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 Receieved SDG Original Sample Method Number	P2TP56 0.50 SOLID 03/10/2014 00:00:00 27/10/2014 11:46:46 141006-48 10130117 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P2TP57 0.50 SOLID 03/10/2014 00:00:00 28/10/2014 13:30:19 141006-48 10129921 TM 304	Amosite (ACM debris and loose fibres in soil.) (#)	N/C	0.0179 (#)	0.0012 (#)	0.0191 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P2TP57 1.50 SOLID 03/10/2014 00:00:00 27/10/2014 12:01:55 141006-48 10129926 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P2TP59 0.50 SOLID 03/10/2014 00:00:00 28/10/2014 12:22:36 141006-48 10129955 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P2TP60 0.50 SOLID 03/10/2014 00:00:00 28/10/2014 12:24:40 141006-48 10129980 TM 304	Amosiet (Loose fibres in soil.) (#)	N/C	<0.001 (#)	<0.001 (#)	0.0012 (#)

CERTIFICATE OF ANALYSIS

SDG:	141006-48	**Location:**	Coed Darcy	**Order Number:**	CD0878
Job:	H_ATKINS_LDC-264	**Customer:**	Atkins Global Ltd	**Report Number:**	290610
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

		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 Receieved SDG Original Sample Method Number	P2TP65 1.00 SOLID 03/10/2014 00:00:00 28/10/2014 13:27:11 141006-48 10154291 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P2TP69 0.50 SOLID 03/10/2014 00:00:00 24/10/2014 16:33:20 141006-48 10130095 TM 304	Amosite and Crocidolite (#)	Loose fibres	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P2TP69 1.50 SOLID 03/10/2014 00:00:00 27/10/2014 07:13:41 141006-48 10130106 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)

CERTIFICATE OF ANALYSIS

SDG:	141006-48	**Location:**	Coed Darcy	**Order Number:**	CD0878
Job:	H_ATKINS_LDC-264	**Customer:**	Atkins Global Ltd	**Report Number:**	290610
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

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		
SUB (ASB)				
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.

CERTIFICATE OF ANALYSIS

SDG:	141006-48	**Location:**	Coed Darcy	**Order Number:**	CD0878
Job:	H_ATKINS_LDC-264	**Customer:**	Atkins Global Ltd	**Report Number:**	290610
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

Test Completion Dates

Lab Sample No(s)	10129912	10130117	10129921	10129926	10129935	10129943	10129955	10129968	10129980	10129997
Customer Sample Ref.	P2TP56	P2TP56	P2TP57	P2TP57	P2TP58	P2TP58	P2TP59	P2TP59	P2TP60	P2TP61
AGS Ref.										
Depth	1.50	0.50	0.50	1.50	0.50	1.50	0.50	1.50	0.50	0.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos fibres in Soil*	15-Oct-2014	15-Oct-2014		15-Oct-2014	15-Oct-2014	15-Oct-2014	15-Oct-2014	15-Oct-2014	15-Oct-2014	15-Oct-2014
Asbestos ID in Solid Samples			16-Oct-2014							
Asbestos Quantification - Full		04-Nov-2014	04-Nov-2014	03-Nov-2014			04-Nov-2014		04-Nov-2014	
EPH CWG (Aliphatic) GC (S)	20-Oct-2014	17-Oct-2014	20-Oct-2014	17-Oct-2014	17-Oct-2014	17-Oct-2014	20-Oct-2014	20-Oct-2014	17-Oct-2014	17-Oct-2014
EPH CWG (Aromatic) GC (S)	20-Oct-2014	17-Oct-2014	20-Oct-2014	17-Oct-2014	17-Oct-2014	17-Oct-2014	20-Oct-2014	20-Oct-2014	17-Oct-2014	17-Oct-2014
GRO by GC-FID (S)	20-Oct-2014	20-Oct-2014	20-Oct-2014	20-Oct-2014	18-Oct-2014	18-Oct-2014	18-Oct-2014	18-Oct-2014	18-Oct-2014	18-Oct-2014
Metals in solid samples by OES	17-Oct-2014	17-Oct-2014	17-Oct-2014	17-Oct-2014	17-Oct-2014	17-Oct-2014	16-Oct-2014	16-Oct-2014	17-Oct-2014	17-Oct-2014
PAH by GCMS	17-Oct-2014	18-Oct-2014	18-Oct-2014	18-Oct-2014	17-Oct-2014	19-Oct-2014	17-Oct-2014	17-Oct-2014	18-Oct-2014	19-Oct-2014
pH	17-Oct-2014	17-Oct-2014	17-Oct-2014	17-Oct-2014	16-Oct-2014	16-Oct-2014	17-Oct-2014	16-Oct-2014	17-Oct-2014	16-Oct-2014
Sample description	13-Oct-2014	14-Oct-2014	13-Oct-2014	13-Oct-2014	13-Oct-2014	13-Oct-2014	12-Oct-2014	12-Oct-2014	13-Oct-2014	13-Oct-2014
Total Organic Carbon			17-Oct-2014						17-Oct-2014	
TPH CWG GC (S)	20-Oct-2014	20-Oct-2014	20-Oct-2014	20-Oct-2014	18-Oct-2014	18-Oct-2014	20-Oct-2014	20-Oct-2014	18-Oct-2014	18-Oct-2014

Lab Sample No(s)	10130012	10154291	10129903	10130030	10130043	10130058	10130070	10130083	10130095	10130106
Customer Sample Ref.	P2TP62	P2TP65	P2TP66	P2TP66	P2TP67	P2TP67	P2TP68	P2TP68	P2TP69	P2TP69
AGS Ref.										
Depth	0.50	1.00	0.50	1.00	0.50	1.50	0.50	1.50	0.50	1.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos fibres in Soil*	15-Oct-2014		15-Oct-2014	15-Oct-2014	15-Oct-2014	15-Oct-2014	15-Oct-2014	15-Oct-2014	15-Oct-2014	15-Oct-2014
Asbestos ID in Solid Samples		16-Oct-2014								
Asbestos Quantification - Full		04-Nov-2014							04-Nov-2014	04-Nov-2014
EPH CWG (Aliphatic) GC (S)	20-Oct-2014	24-Oct-2014	20-Oct-2014	20-Oct-2014	17-Oct-2014	20-Oct-2014	17-Oct-2014	17-Oct-2014	20-Oct-2014	17-Oct-2014
EPH CWG (Aromatic) GC (S)	20-Oct-2014	24-Oct-2014	20-Oct-2014	20-Oct-2014	17-Oct-2014	20-Oct-2014	17-Oct-2014	17-Oct-2014	20-Oct-2014	17-Oct-2014
GRO by GC-FID (S)	18-Oct-2014	27-Oct-2014	19-Oct-2014	20-Oct-2014	19-Oct-2014	19-Oct-2014	20-Oct-2014	20-Oct-2014	20-Oct-2014	20-Oct-2014
Metals in solid samples by OES	16-Oct-2014	23-Oct-2014	17-Oct-2014	17-Oct-2014	17-Oct-2014	17-Oct-2014	17-Oct-2014	17-Oct-2014	20-Oct-2014	17-Oct-2014
PAH by GCMS	19-Oct-2014	27-Oct-2014	17-Oct-2014	17-Oct-2014	17-Oct-2014	16-Oct-2014	17-Oct-2014	17-Oct-2014	18-Oct-2014	18-Oct-2014
pH	17-Oct-2014	22-Oct-2014	17-Oct-2014	17-Oct-2014	17-Oct-2014	17-Oct-2014	17-Oct-2014	17-Oct-2014	17-Oct-2014	17-Oct-2014
Sample description	13-Oct-2014	13-Oct-2014	13-Oct-2014	13-Oct-2014	13-Oct-2014	13-Oct-2014	13-Oct-2014	13-Oct-2014	14-Oct-2014	14-Oct-2014
Total Organic Carbon			17-Oct-2014							17-Oct-2014
TPH CWG GC (S)	20-Oct-2014	27-Oct-2014	20-Oct-2014	20-Oct-2014	19-Oct-2014	20-Oct-2014	20-Oct-2014	20-Oct-2014	20-Oct-2014	20-Oct-2014

SDG:	141006-48	**Location:**	Coed Darcy	**Order Number:**	CD0878
Job:	H_ATKINS_LDC-264	**Customer:**	Atkins Global Ltd	**Report Number:**	290610
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

Appendix

General

1. Results are expressed on a dry weight basis (dried at 35ºC) 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 Dimethyphenol, 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 presevation 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.

ALcontrol Laboratories

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Atkins Global Ltd
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Attention: Jack Lowrie

CERTIFICATE OF ANALYSIS

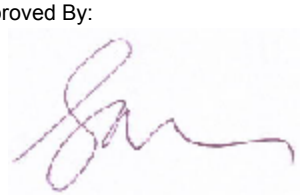
Date:	29 October 2014
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	141006-51
Your Reference:	Phase 31
Location:	Coed Darcy
Report No:	289804

We received 23 samples on Monday October 06, 2014 and 23 of these samples were scheduled for analysis which was completed on Tuesday October 28, 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

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Registered Office: Units 7 & 8 Hawarden Business Park, Manor Road, Hawarden, Deeside, CH5 3US. Registered in England and Wales No.

CERTIFICATE OF ANALYSIS

SDG:	141006-51	**Location:**	Coed Darcy	**Order Number:**	CD0883
Job:	H_ATKINS_LDC-265	**Customer:**	Atkins Global Ltd	**Report Number:**	289804
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
10130315	P2TP63		0.50	02/10/2014
10130323	P2TP63		1.00	02/10/2014
10130327	P2TP64		0.50	02/10/2014
10130331	P2TP64		1.00	02/10/2014
10130335	P2TP65		0.50	02/10/2014
10130295	P2TP70		0.50	02/10/2014
10130299	P2TP70		1.50	02/10/2014
10130303	P2TP70		2.50	02/10/2014
10130307	P2TP71		0.50	02/10/2014
10130311	P2TP71		1.50	02/10/2014
10130276	P2TP72		0.50	02/10/2014
10130318	P2TP72		1.50	02/10/2014
10130346	P2TP73		0.50	02/10/2014
10130338	P2TP74		0.50	02/10/2014
10130342	P2TP74		1.00	02/10/2014
10130350	P2TP75		0.50	02/10/2014
10130354	P2TP75		1.50	02/10/2014
10130358	P2TP76		0.50	02/10/2014
10130362	P2TP76		1.00	02/10/2014
10130280	P2TP81		0.50	02/10/2014
10130284	P2TP82		0.50	02/10/2014
10130287	P2TP82		1.50	02/10/2014
10130291	P2TP82		2.50	02/10/2014

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

CERTIFICATE OF ANALYSIS

SDG:	141006-51	**Location:**	Coed Darcy	**Order Number:**	CD0883
Job:	H_ATKINS_LDC-265	**Customer:**	Atkins Global Ltd	**Report Number:**	289804
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

SOLID

Results Legend

- **X** Test
- **N** No Determination Possible

Lab Sample No(s)			10130315		10130323			10130327			10130331			10130335		10130295			10130299			10130303			10130307			10130311			10130276			10130318			10130346			10130338		
Customer Sample Reference			P2TP63		P2TP63			P2TP64			P2TP64			P2TP65		P2TP70			P2TP70			P2TP70			P2TP71			P2TP71			P2TP72			P2TP72			P2TP73			P2TP74		
AGS Reference																																										
Depth (m)			0.50		1.00			0.50			1.00			0.50		0.50			1.50			2.50			0.50			1.50			0.50			1.50			0.50			0.50		
Container			250g Amber Jar (AL	400g Tub (ALE214)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)
Asbestos fibres in Soil*	All	NDPs: 0 Tests: 21		X		X			X			X		X			X			X						X			X			X			X			X			X	
Asbestos Quantification - Full	All	NDPs: 0 Tests: 11												X			X									X			X						X			X			X	
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 23	X		X			X			X			X		X			X			X			X			X			X			X			X			X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 23	X		X			X			X			X		X			X			X			X			X			X			X			X			X		
GRO by GC-FID (S)	All	NDPs: 0 Tests: 23	X				X			X			X		X			X			X			X			X			X			X			X			X			X
Metals in solid samples by OES	All	NDPs: 0 Tests: 23	X		X			X			X			X		X			X			X			X			X			X			X			X			X		
PAH by GCMS	All	NDPs: 0 Tests: 23	X		X			X			X			X		X			X			X			X			X			X			X			X			X		
pH	All	NDPs: 0 Tests: 23		X		X			X			X		X			X			X			X			X			X			X			X			X			X	
Sample description	All	NDPs: 0 Tests: 23	X		X			X			X			X		X			X			X			X			X			X			X			X			X		
Total Organic Carbon	All	NDPs: 0 Tests: 5	X											X		X															X											
TPH CWG GC (S)	All	NDPs: 0 Tests: 23	X		X			X			X			X		X			X			X			X			X			X			X			X			X		

CERTIFICATE OF ANALYSIS

SDG:	141006-51	**Location:**	Coed Darcy	**Order Number:**	CD0883
Job:	H_ATKINS_LDC-265	**Customer:**	Atkins Global Ltd	**Report Number:**	289804
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

SOLID

Results Legend

X **Test**

N **No Determination Possible**

Lab Sample No(s)	10130342	10130350	10130354	10130358	10130362	10130280	10130284	10130287	10130291
Customer Sample Reference	P2TP74	P2TP75	P2TP75	P2TP76	P2TP76	P2TP81	P2TP82	P2TP82	P2TP82
AGS Reference									
Depth (m)	1.00	0.50	1.50	0.50	1.00	0.50	0.50	1.50	2.50
Container	250g Amber Jar (AL)	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL)	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL)	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL)	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL)	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL)	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL)	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL)	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL)	400g Tub (ALE214)	60g VOC (ALE215)
Asbestos fibres in Soil*	All	NDPs: 0 Tests: 21		X		X		X		X		X		X		X		X		X							
Asbestos Quantification - Full	All	NDPs: 0 Tests: 11				X		X		X		X															
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 23	X		X		X		X		X		X		X		X		X		X						
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 23	X		X		X		X		X		X		X		X		X		X						
GRO by GC-FID (S)	All	NDPs: 0 Tests: 23		X		X		X		X		X		X		X		X		X		X		X		X	
Metals in solid samples by OES	All	NDPs: 0 Tests: 23	X		X		X		X		X		X		X		X		X		X						
PAH by GCMS	All	NDPs: 0 Tests: 23	X		X		X		X		X		X		X		X		X		X						
pH	All	NDPs: 0 Tests: 23		X		X		X		X		X		X		X		X		X			X				
Sample description	All	NDPs: 0 Tests: 23	X		X		X		X		X		X		X		X		X		X						
Total Organic Carbon	All	NDPs: 0 Tests: 5			X																						
TPH CWG GC (S)	All	NDPs: 0 Tests: 23	X		X		X		X		X		X		X		X		X		X						

CERTIFICATE OF ANALYSIS

SDG:	141006-51	**Location:**	Coed Darcy	**Order Number:**	CD0883
Job:	H_ATKINS_LDC-265	**Customer:**	Atkins Global Ltd	**Report Number:**	289804
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

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
10130315	P2TP63	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
10130323	P2TP63	1.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
10130327	P2TP64	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
10130331	P2TP64	1.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
10130335	P2TP65	0.50	Black	Sandy Clay Loam	0.1 - 2 mm	Stones	None
10130295	P2TP70	0.50	Beige	Sandy Clay Loam	0.1 - 2 mm	Crushed Brick	Stones
10130299	P2TP70	1.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Crushed Brick	Stones
10130303	P2TP70	2.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Oil/Petroleum	Stones
10130307	P2TP71	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Brick	Stones
10130311	P2TP71	1.50	Beige	Sandy Clay Loam	0.1 - 2 mm	Crushed Brick	Stones
10130276	P2TP72	0.50	Beige	Sandy Silt Loam	0.1 - 2 mm	Stones	None
10130318	P2TP72	1.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
10130346	P2TP73	0.50	Beige	Sandy Silt Loam	0.1 - 2 mm	Crushed Brick	Stones
10130338	P2TP74	0.50	Beige	Sandy Clay Loam	0.1 - 2 mm	Crushed Brick	Stones
10130342	P2TP74	1.00	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Crushed Brick	Concrete/Aggregate
10130350	P2TP75	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
10130354	P2TP75	1.50	Dark Brown	Sandy Clay Loam	0.063 - 0.1 mm	Stones	Vegetation
10130358	P2TP76	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
10130362	P2TP76	1.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Crushed Brick	Stones
10130280	P2TP81	0.50	Beige	Sandy Clay Loam	0.1 - 2 mm	Stones	None
10130284	P2TP82	0.50	Dark Brown	Sand	0.1 - 2 mm	Stones	None
10130287	P2TP82	1.50	Beige	Sandy Loam	0.1 - 2 mm	Crushed Brick	Stones
10130291	P2TP82	2.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Brick	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 ocurring 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.

CERTIFICATE OF ANALYSIS

SDG:	141006-51	**Location:**	Coed Darcy	**Order Number:**	CD0883
Job:	H_ATKINS_LDC-265	**Customer:**	Atkins Global Ltd	**Report Number:**	289804
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	P2TP63	P2TP63	P2TP64	P2TP64	P2TP65	P2TP70
			Depth (m)	0.50	1.00	0.50	1.00	0.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/10/2014	02/10/2014	02/10/2014	02/10/2014	02/10/2014	02/10/2014
			Sample Time	.	.	.	.	.	.
			Date Received	06/10/2014	06/10/2014	06/10/2014	06/10/2014	06/10/2014	06/10/2014
			SDG Ref	141006-51	141006-51	141006-51	141006-51	141006-51	141006-51
			Lab Sample No.(s)	10130315	10130323	10130327	10130331	10130335	10130295
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		10	8.2	9.8	7.1	3.2	7.6
Actinolite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Amosite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Anthophyllite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Chrysotile*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Detected #	Detected #
Crocidolite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Tremolite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Non-Asbestos Fibres Detected	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Soil Organic Matter (SOM)	<0.35 %	TM132		2.05 #				3.84 #	2.65 #
pH	1 pH Units	TM133		8.09 M	8.26 M	8.06 M	8.08 M	7.89 M	7.9 M
Arsenic	<0.6 mg/kg	TM181		18.3 M	14.6 M	11.1 M	35.4 M	16.4 M	16.8 M
Cadmium	<0.02 mg/kg	TM181		0.169 M	0.0874 M	0.047 M	0.441 M	0.0321 M	0.161 M
Chromium	<0.9 mg/kg	TM181		23.6 M	15.1 M	26 M	15.3 M	14.5 M	16.1 M
Copper	<1.4 mg/kg	TM181		54.9 M	45.1 M	19.6 M	43.9 M	29.2 M	47.6 M
Lead	<0.7 mg/kg	TM181		68.9 M	58.1 M	37.3 M	67.7 M	40.5 M	65.8 M
Mercury	<0.14 mg/kg	TM181		0.747 M	0.539 M	0.174 M	0.295 M	0.442 M	0.541 M
Nickel	<0.2 mg/kg	TM181		27 M	31.3 M	31.8 M	27.3 M	26.1 M	26.7 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	1.16 #
Vanadium	<0.2 mg/kg	TM181		19.7 #	14.5 #	39.2 #	18.7 #	16 #	16.2 #
Zinc	<1.9 mg/kg	TM181		198 M	166 M	78.8 M	193 M	109 M	226 M

CERTIFICATE OF ANALYSIS

SDG:	141006-51	**Location:**	Coed Darcy	**Order Number:**	CD0883
Job:	H_ATKINS_LDC-265	**Customer:**	Atkins Global Ltd	**Report Number:**	289804
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	P2TP70	P2TP70	P2TP71	P2TP71	P2TP72	P2TP72
			Depth (m)	1.50	2.50	0.50	1.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/10/2014	02/10/2014	02/10/2014	02/10/2014	02/10/2014	02/10/2014
			Sample Time	.	.	.	.	.	.
			Date Received	06/10/2014	06/10/2014	06/10/2014	06/10/2014	06/10/2014	06/10/2014
			SDG Ref	141006-51	141006-51	141006-51	141006-51	141006-51	141006-51
			Lab Sample No.(s)	10130299	10130303	10130307	10130311	10130276	10130318
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		8.8	10	9.4	9.5	8.4	9
Actinolite*	-	SUB (ASB)		Not Detected #		Not Detected #	Not Detected #	Not Detected #	Not Detected #
Amosite*	-	SUB (ASB)		Not Detected #		Not Detected #	Not Detected #	Not Detected #	Detected #
Anthophyllite*	-	SUB (ASB)		Not Detected #		Not Detected #	Not Detected #	Not Detected #	Not Detected #
Chrysotile*	-	SUB (ASB)		Not Detected #		Detected #	Detected #	Not Detected #	Not Detected #
Crocidolite*	-	SUB (ASB)		Not Detected #		Not Detected #	Not Detected #	Not Detected #	Not Detected #
Tremolite*	-	SUB (ASB)		Not Detected #		Not Detected #	Not Detected #	Not Detected #	Not Detected #
Non-Asbestos Fibres Detected	-	SUB (ASB)		Not Detected #		Not Detected #	Not Detected #	Not Detected #	Not Detected #
Soil Organic Matter (SOM)	<0.35 %	TM132						2.53 #	
pH	1 pH Units	TM133		8.16 M	8.39 M	8.05 M	8.13 M	8 M	7.64 M
Arsenic	<0.6 mg/kg	TM181		19.6 M	15.5 M	19.4 M	23.2 M	17.8 M	27.3 M
Cadmium	<0.02 mg/kg	TM181		0.391 M	0.0693 M	0.372 M	0.461 M	0.308 M	0.534 M
Chromium	<0.9 mg/kg	TM181		15.1 M	19.9 M	15.1 M	14.7 M	13.2 M	15.1 M
Copper	<1.4 mg/kg	TM181		48.1 M	74.8 M	52.8 M	46.8 M	37.7 M	47.6 M
Lead	<0.7 mg/kg	TM181		63.8 M	67.1 M	95.3 M	72.7 M	98.6 M	120 M
Mercury	<0.14 mg/kg	TM181		0.262 M	<0.14 M	0.234 M	<0.14 M	0.697 M	0.215 M
Nickel	<0.2 mg/kg	TM181		24.9 M	38.5 M	24.1 M	28.4 M	23.1 M	24.8 M
Selenium	<1 mg/kg	TM181		<1 #	1.49 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		20.3 #	19.5 #	18.7 #	18.1 #	16.1 #	16.3 #
Zinc	<1.9 mg/kg	TM181		188 M	251 M	228 M	220 M	203 M	266 M

CERTIFICATE OF ANALYSIS

SDG:	141006-51	**Location:**	Coed Darcy	**Order Number:**	CD0883
Job:	H_ATKINS_LDC-265	**Customer:**	Atkins Global Ltd	**Report Number:**	289804
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	P2TP73	P2TP74	P2TP74	P2TP75	P2TP75	P2TP76
			Depth (m)	0.50	0.50	1.00	0.50	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/10/2014	02/10/2014	02/10/2014	02/10/2014	02/10/2014	02/10/2014
			Sample Time	.	.	.	.	.	.
			Date Received	06/10/2014	06/10/2014	06/10/2014	06/10/2014	06/10/2014	06/10/2014
			SDG Ref	141006-51	141006-51	141006-51	141006-51	141006-51	141006-51
			Lab Sample No.(s)	10130346	10130338	10130342	10130350	10130354	10130358
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		8.1	10	11	9.5	6.7	6.3
Actinolite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Amosite*	-	SUB (ASB)		Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Detected #
Anthophyllite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Chrysotile*	-	SUB (ASB)		Not Detected #	Detected #	Not Detected #	Detected #	Detected #	Not Detected #
Crocidolite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Tremolite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Non-Asbestos Fibres Detected	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Soil Organic Matter (SOM)	<0.35 %	TM132					3.26 #		
pH	1 pH Units	TM133		8.42 M	7.91 M	8.31 M	8.01 M	7.72 M	8.35 M
Arsenic	<0.6 mg/kg	TM181		15.9 M	15.6 M	25.4 M	16.6 M	21.8 M	15.2 M
Cadmium	<0.02 mg/kg	TM181		0.298 M	<0.02 M	0.3 M	0.478 M	0.557 M	0.31 M
Chromium	<0.9 mg/kg	TM181		14.4 M	13.3 M	14.9 M	14.4 M	14.3 M	14.2 M
Copper	<1.4 mg/kg	TM181		36.6 M	34.7 M	53.9 M	34.4 M	53.5 M	37.2 M
Lead	<0.7 mg/kg	TM181		63.4 M	68.8 M	121 M	48.7 M	76.9 M	48.8 M
Mercury	<0.14 mg/kg	TM181		0.534 M	0.417 M	0.421 M	0.278 M	0.346 M	0.395 M
Nickel	<0.2 mg/kg	TM181		25.3 M	22.7 M	25.4 M	27.1 M	26 M	25.5 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		17.1 #	14.9 #	16 #	16.8 #	17.6 #	17.8 #
Zinc	<1.9 mg/kg	TM181		146 M	164 M	306 M	132 M	207 M	148 M

CERTIFICATE OF ANALYSIS

SDG:	141006-51	**Location:**	Coed Darcy	**Order Number:**	CD0883
Job:	H_ATKINS_LDC-265	**Customer:**	Atkins Global Ltd	**Report Number:**	289804
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	P2TP76	P2TP81	P2TP82	P2TP82	P2TP82
			Depth (m)	1.00	0.50	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/10/2014	02/10/2014	02/10/2014	02/10/2014	02/10/2014
			Sample Time	.	.	.	.	.
			Date Received	06/10/2014	06/10/2014	06/10/2014	06/10/2014	06/10/2014
			SDG Ref	141006-51	141006-51	141006-51	141006-51	141006-51
			Lab Sample No.(s)	10130362	10130280	10130284	10130287	10130291
			AGS Reference					
Moisture Content Ratio (% of as received sample)	%	PM024		8.2	8.7	8.1	8.9	9.7
Actinolite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	
Amosite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	
Anthophyllite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	
Chrysotile*	-	SUB (ASB)		Detected #	Not Detected #	Not Detected #	Not Detected #	
Crocidolite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	
Tremolite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	
Non-Asbestos Fibres Detected	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	
pH	1 pH Units	TM133		8.93 M	8.14 M	8.06 M	8.59 M	8.37 M
Arsenic	<0.6 mg/kg	TM181		17.5 M	13.1 M	14.9 M	18.8 M	18.1 M
Cadmium	<0.02 mg/kg	TM181		0.417 M	0.198 M	0.0738 M	0.326 M	0.196 M
Chromium	<0.9 mg/kg	TM181		15.5 M	11.7 M	13.7 M	20.1 M	19.6 M
Copper	<1.4 mg/kg	TM181		43.3 M	31.9 M	32.7 M	652 M	63.6 M
Lead	<0.7 mg/kg	TM181		70.1 M	52 M	48 M	77.1 M	112 M
Mercury	<0.14 mg/kg	TM181		0.456 M	0.672 M	0.749 M	<0.14 M	0.354 M
Nickel	<0.2 mg/kg	TM181		26.6 M	20.4 M	26.7 M	27.6 M	28.3 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		18.5 #	12.7 #	13.8 #	23.3 #	23.9 #
Zinc	<1.9 mg/kg	TM181		176 M	123 M	144 M	456 M	296 M

CERTIFICATE OF ANALYSIS

SDG:	141006-51	**Location:**	Coed Darcy	**Order Number:**	CD0883
Job:	H_ATKINS_LDC-265	**Customer:**	Atkins Global Ltd	**Report Number:**	289804
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	P2TP63	P2TP63	P2TP64	P2TP64	P2TP65	P2TP70
			Depth (m)	0.50	1.00	0.50	1.00	0.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/10/2014	02/10/2014	02/10/2014	02/10/2014	02/10/2014	02/10/2014
			Sample Time	.	.	.	.	.	.
			Date Received	06/10/2014	06/10/2014	06/10/2014	06/10/2014	06/10/2014	06/10/2014
			SDG Ref	141006-51	141006-51	141006-51	141006-51	141006-51	141006-51
			Lab Sample No.(s)	10130315	10130323	10130327	10130331	10130335	10130295
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		89.2	93.8	94.6	105	102	97.4
Acenaphthene-d10 % recovery**	%	TM218		89	95.6	95.3	108	105	95.7
Phenanthrene-d10 % recovery**	%	TM218		89.7	96.4	96.1	106	104	94.6
Chrysene-d12 % recovery**	%	TM218		86.8	94.4	93.7	101	98.8	94.9
Perylene-d12 % recovery**	%	TM218		91.3	99.3	101	108	106	101
Naphthalene	<9 µg/kg	TM218		44.4 M	64.4 M	110 M	128 M	89.6 M	51.2 M
Acenaphthylene	<12 µg/kg	TM218		17.7 M	16.1 M	19.2 M	28.1 M	26.7 M	15.4 M
Acenaphthene	<8 µg/kg	TM218		25.1 M	23.6 M	28.7 M	34.1 M	37.6 M	33.1 M
Fluorene	<10 µg/kg	TM218		53.6 M	46.9 M	79.2 M	94.9 M	67.2 M	70.7 M
Phenanthrene	<15 µg/kg	TM218		506 M	280 M	307 M	432 M	355 M	305 M
Anthracene	<16 µg/kg	TM218		102 M	44.6 M	61.2 M	82.2 M	51.8 M	74.1 M
Fluoranthene	<17 µg/kg	TM218		697 M	242 M	229 M	556 M	248 M	293 M
Pyrene	<15 µg/kg	TM218		611 M	287 M	407 M	703 M	401 M	391 M
Benz(a)anthracene	<14 µg/kg	TM218		350 M	180 M	200 M	356 M	231 M	285 M
Chrysene	<10 µg/kg	TM218		446 M	235 M	374 M	608 M	628 M	610 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		472 M	281 M	391 M	485 M	303 M	387 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		161 M	88.8 M	149 M	189 M	116 M	102 M
Benzo(a)pyrene	<15 µg/kg	TM218		280 M	175 M	344 M	419 M	265 M	244 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		151 M	113 M	202 M	231 M	140 M	149 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		60.8 M	48.3 M	89.3 M	103 M	82.2 M	73.9 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		169 M	145 M	243 M	278 M	177 M	176 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		4140	2270	3230	4730	3220	3260

CERTIFICATE OF ANALYSIS

SDG:	141006-51	**Location:**	Coed Darcy	**Order Number:**	CD0883
Job:	H_ATKINS_LDC-265	**Customer:**	Atkins Global Ltd	**Report Number:**	289804
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

PAH by GCMS

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	P2TP70	P2TP70	P2TP71	P2TP71	P2TP72	P2TP72
			Depth (m)	1.50	2.50	0.50	1.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/10/2014	02/10/2014	02/10/2014	02/10/2014	02/10/2014	02/10/2014
			Sample Time	.	.	.	.	.	.
			Date Received	06/10/2014	06/10/2014	06/10/2014	06/10/2014	06/10/2014	06/10/2014
			SDG Ref	141006-51	141006-51	141006-51	141006-51	141006-51	141006-51
			Lab Sample No.(s)	10130299	10130303	10130307	10130311	10130276	10130318
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		90.4	101	99.3	95.7	97.9	100
Acenaphthene-d10 % recovery**	%	TM218		93.3	103	97.4	95	96.6	103
Phenanthrene-d10 % recovery**	%	TM218		93.1	102	97.8	96.6	97	103
Chrysene-d12 % recovery**	%	TM218		86.8	95	98.8	97.9	97.4	96.5
Perylene-d12 % recovery**	%	TM218		93.3	106	106	103	106	105
Naphthalene	<9 µg/kg	TM218		52.8 M	50.2 M	62.3 M	95.7 M	142 M	167 M
Acenaphthylene	<12 µg/kg	TM218		22.5 M	192 M	26.5 M	<12 M	<12 M	35.2 M
Acenaphthene	<8 µg/kg	TM218		27.2 M	78.2 M	24.8 M	43.5 M	54.5 M	48.9 M
Fluorene	<10 µg/kg	TM218		53 M	254 M	48.3 M	78.5 M	113 M	132 M
Phenanthrene	<15 µg/kg	TM218		327 M	3020 M	300 M	282 M	463 M	407 M
Anthracene	<16 µg/kg	TM218		70.3 M	620 M	71.1 M	83.1 M	125 M	101 M
Fluoranthene	<17 µg/kg	TM218		399 M	3720 M	398 M	295 M	546 M	276 M
Pyrene	<15 µg/kg	TM218		436 M	2690 M	465 M	453 M	654 M	526 M
Benz(a)anthracene	<14 µg/kg	TM218		231 M	1400 M	330 M	262 M	499 M	216 M
Chrysene	<10 µg/kg	TM218		324 M	1100 M	339 M	305 M	598 M	406 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		307 M	1430 M	508 M	429 M	832 M	191 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		100 M	523 M	150 M	125 M	237 M	90.7 M
Benzo(a)pyrene	<15 µg/kg	TM218		233 M	1210 M	321 M	251 M	552 M	243 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		127 M	517 M	170 M	145 M	305 M	131 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		55.7 M	154 M	70.6 M	67.8 M	136 M	72.8 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		161 M	539 M	206 M	181 M	351 M	173 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		2930	17500	3490	3100	5610	3220

CERTIFICATE OF ANALYSIS

SDG:	141006-51	**Location:**	Coed Darcy	**Order Number:**	CD0883
Job:	H_ATKINS_LDC-265	**Customer:**	Atkins Global Ltd	**Report Number:**	289804
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	P2TP73	P2TP74	P2TP74	P2TP75	P2TP75	P2TP76
			Depth (m)	0.50	0.50	1.00	0.50	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/10/2014	02/10/2014	02/10/2014	02/10/2014	02/10/2014	02/10/2014
			Sample Time	.	.	.	.	.	.
			Date Received	06/10/2014	06/10/2014	06/10/2014	06/10/2014	06/10/2014	06/10/2014
			SDG Ref	141006-51	141006-51	141006-51	141006-51	141006-51	141006-51
			Lab Sample No.(s)	10130346	10130338	10130342	10130350	10130354	10130358
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		98.1	99.1	98.3	95.3	98.3	98.1
Acenaphthene-d10 % recovery**	%	TM218		96.8	96.4	96.9	96.1	100	101
Phenanthrene-d10 % recovery**	%	TM218		97.1	94.9	97.1	96.7	100	101
Chrysene-d12 % recovery**	%	TM218		97.2	95.2	97.8	96.4	94.3	95.3
Perylene-d12 % recovery**	%	TM218		106	101	106	103	101	102
Naphthalene	<9 µg/kg	TM218		104 M	68.6 M	99 M	96.5 M	89.5 M	80.8 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	15.6 M	31.1 M	16.9 M	25.7 M	19.6 M
Acenaphthene	<8 µg/kg	TM218		47.1 M	31.2 M	64.1 M	34.3 M	34.8 M	32.3 M
Fluorene	<10 µg/kg	TM218		97.2 M	59.3 M	93 M	81.8 M	71.2 M	62.9 M
Phenanthrene	<15 µg/kg	TM218		362 M	247 M	636 M	343 M	268 M	289 M
Anthracene	<16 µg/kg	TM218		96.7 M	68.2 M	168 M	63.3 M	56.9 M	55 M
Fluoranthene	<17 µg/kg	TM218		413 M	282 M	998 M	258 M	237 M	232 M
Pyrene	<15 µg/kg	TM218		595 M	372 M	885 M	381 M	390 M	329 M
Benz(a)anthracene	<14 µg/kg	TM218		422 M	246 M	775 M	255 M	149 M	140 M
Chrysene	<10 µg/kg	TM218		596 M	312 M	721 M	524 M	284 M	409 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		713 M	401 M	1110 M	443 M	202 M	270 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		221 M	119 M	325 M	132 M	72.2 M	102 M
Benzo(a)pyrene	<15 µg/kg	TM218		515 M	257 M	702 M	281 M	209 M	236 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		264 M	156 M	407 M	177 M	117 M	140 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		126 M	69.3 M	171 M	96.5 M	58.4 M	61.5 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		328 M	208 M	474 M	231 M	149 M	179 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		4900	2910	7660	3410	2410	2640

CERTIFICATE OF ANALYSIS

SDG:	141006-51	**Location:**	Coed Darcy	**Order Number:**	CD0883
Job:	H_ATKINS_LDC-265	**Customer:**	Atkins Global Ltd	**Report Number:**	289804
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

PAH by GCMS

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	P2TP76	P2TP81	P2TP82	P2TP82	P2TP82
			Depth (m)	1.00	0.50	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/10/2014	02/10/2014	02/10/2014	02/10/2014	02/10/2014
			Sample Time	.	.	.	.	.
			Date Received	06/10/2014	06/10/2014	06/10/2014	06/10/2014	06/10/2014
			SDG Ref	141006-51	141006-51	141006-51	141006-51	141006-51
			Lab Sample No.(s)	10130362	10130280	10130284	10130287	10130291
			AGS Reference					
Naphthalene-d8 % recovery**	%	TM218		100	97.7	95.4	99.3	97.8
Acenaphthene-d10 % recovery**	%	TM218		103	96.4	93.5	97.8	96.7
Phenanthrene-d10 % recovery**	%	TM218		104	96.8	93.4	98.4	97.9
Chrysene-d12 % recovery**	%	TM218		96.2	96.6	93.9	99.6	99
Perylene-d12 % recovery**	%	TM218		102	104	101	109	106
Naphthalene	<9 µg/kg	TM218		44 M	109 M	71.4 M	94.7 M	121 M
Acenaphthylene	<12 µg/kg	TM218		19.6 M	<12 M	<12 M	<12 M	34.6 M
Acenaphthene	<8 µg/kg	TM218		20.8 M	40.8 M	26.8 M	62.5 M	45.8 M
Fluorene	<10 µg/kg	TM218		38.6 M	79.1 M	54.5 M	130 M	76 M
Phenanthrene	<15 µg/kg	TM218		252 M	428 M	312 M	967 M	350 M
Anthracene	<16 µg/kg	TM218		43.5 M	98.5 M	58.9 M	268 M	224 M
Fluoranthene	<17 µg/kg	TM218		251 M	353 M	235 M	1500 M	721 M
Pyrene	<15 µg/kg	TM218		277 M	455 M	303 M	1230 M	681 M
Benz(a)anthracene	<14 µg/kg	TM218		184 M	347 M	206 M	1150 M	395 M
Chrysene	<10 µg/kg	TM218		291 M	627 M	259 M	881 M	383 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		242 M	481 M	335 M	1510 M	588 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		92.8 M	119 M	98.5 M	452 M	167 M
Benzo(a)pyrene	<15 µg/kg	TM218		188 M	324 M	242 M	1010 M	333 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		110 M	179 M	133 M	512 M	186 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		48.9 M	86.7 M	61.2 M	206 M	77.7 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		139 M	219 M	169 M	586 M	232 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		2240	3950	2570	10600	4610

CERTIFICATE OF ANALYSIS

SDG:	141006-51	**Location:**	Coed Darcy	**Order Number:**	CD0883
Job:	H_ATKINS_LDC-265	**Customer:**	Atkins Global Ltd	**Report Number:**	289804
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

TPH CWG (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	P2TP63	P2TP63	P2TP64	P2TP64	P2TP65	P2TP70
			Depth (m)	0.50	1.00	0.50	1.00	0.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/10/2014	02/10/2014	02/10/2014	02/10/2014	02/10/2014	02/10/2014
			Sample Time	.	.	.	.	.	.
			Date Received	06/10/2014	06/10/2014	06/10/2014	06/10/2014	06/10/2014	06/10/2014
			SDG Ref	141006-51	141006-51	141006-51	141006-51	141006-51	141006-51
			Lab Sample No.(s)	10130315	10130323	10130327	10130331	10130335	10130295
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		92 2	94 @	82 @	78 @	99 @	82 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		1130 2 M	1400 @ M	3530 @ M	3390 @ M	1630 @ M	4390 @ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 2 M	<20 @ M	<20 @ M	<20 @ M	<20 @ M	<20 @ M
Benzene	<10 µg/kg	TM089		<40 2 M	<40 @ M	<40 @ M	<40 @ M	<40 @ M	<40 @ M
Toluene	<2 µg/kg	TM089		<8 2 M	<8 @ M	32.2 @ M	15.1 @ M	15.5 @ M	<8 @ M
Ethylbenzene	<3 µg/kg	TM089		<12 2 M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
m,p-Xylene	<6 µg/kg	TM089		<24 2 M	<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M
o-Xylene	<3 µg/kg	TM089		<12 2 M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 2	<36 @	<36 @	<36 @	<36 @	<36 @
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 2	<96 @	<96 @	<96 @	<96 @	<96 @
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 2	<40 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C6-C8	<10 µg/kg	TM089		50 2	69.7 @	46.6 @	82.9 @	54.7 @	71.4 @
Aliphatics >C8-C10	<10 µg/kg	TM089		121 2	129 @	435 @	457 @	179 @	528 @
Aliphatics >C10-C12	<10 µg/kg	TM089		512 2	635 @	1600 @	1490 @	732 @	2040 @
Aliphatics >C12-C16	<100 µg/kg	TM173		42100	59800	119000	131000	66500	68100
Aliphatics >C16-C21	<100 µg/kg	TM173		52600	72200	129000	179000	114000	96300
Aliphatics >C21-C35	<100 µg/kg	TM173		96900	113000	283000	320000	204000	171000
Aliphatics >C35-C44	<100 µg/kg	TM173		29300	28800	119000	80200	61200	45100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		221000	273000	651000	710000	446000	380000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 2	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 2	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC8-EC10	<10 µg/kg	TM089		83.3 2	93.7 @	303 @	315 @	129 @	368 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		341 2	424 @	1070 @	992 @	489 @	1360 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		6130	3070	11800	7560	4100	4900
Aromatics >EC16-EC21	<100 µg/kg	TM173		24200	14400	52900	31200	25400	25000
Aromatics >EC21-EC35	<100 µg/kg	TM173		87700	55600	168000	147000	115000	101000
Aromatics >EC35-EC44	<100 µg/kg	TM173		46700	22400	68100	54000	42200	38500
Aromatics >EC40-EC44	<100 µg/kg	TM173		19000	8840	26800	20000	15600	15200
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		165000	95500	301000	240000	187000	169000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		387000	370000	955000	953000	634000	554000

CERTIFICATE OF ANALYSIS

SDG:	141006-51	**Location:**	Coed Darcy	**Order Number:**	CD0883
Job:	H_ATKINS_LDC-265	**Customer:**	Atkins Global Ltd	**Report Number:**	289804
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	P2TP70	P2TP70	P2TP71	P2TP71	P2TP72	P2TP72
			Depth (m)	1.50	2.50	0.50	1.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/10/2014	02/10/2014	02/10/2014	02/10/2014	02/10/2014	02/10/2014
			Sample Time	.	.	.	.	.	.
			Date Received	06/10/2014	06/10/2014	06/10/2014	06/10/2014	06/10/2014	06/10/2014
			SDG Ref	141006-51	141006-51	141006-51	141006-51	141006-51	141006-51
			Lab Sample No.(s)	10130299	10130303	10130307	10130311	10130276	10130318
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		92 @	96 @	88 @	87 @	80 @	80 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 @ M	<176 @ M	811 @ M	5200 @ M	6450 @ M	12100 @ 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	26.2 @ M	<8 @ M
Ethylbenzene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	16.5 @ M	<12 @ M	81.3 @ 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	137 @ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 @	<9 @	<9 @	<9 @	<9 @	137 @
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 @	<24 @	<24 @	<24 @	26.2 @	218 @
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	91.3 @	178 @	269 @
Aliphatics >C8-C10	<10 µg/kg	TM089		<40 @	<40 @	94.6 @	721 @	1050 @	2260 @
Aliphatics >C10-C12	<10 µg/kg	TM089		62.5 @	<40 @	363 @	2320 @	2670 @	4700 @
Aliphatics >C12-C16	<100 µg/kg	TM173		72400	14600	47600	161000	151000	165000
Aliphatics >C16-C21	<100 µg/kg	TM173		137000	23900	66800	152000	194000	177000
Aliphatics >C21-C35	<100 µg/kg	TM173		301000	41200	134000	222000	462000	325000
Aliphatics >C35-C44	<100 µg/kg	TM173		62300	7620	29000	36900	171000	71500
Total Aliphatics >C12-C44	<100 µg/kg	TM173		572000	87300	277000	571000	977000	739000
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 @	64.9 @	502 @	708 @	1740 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		41.7 @	<40 @	242 @	1540 @	1780 @	3130 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		2660	1700	4320	10600	6770	8580
Aromatics >EC16-EC21	<100 µg/kg	TM173		15500	10100	24300	52600	37100	46900
Aromatics >EC21-EC35	<100 µg/kg	TM173		97500	36000	71000	139000	174000	152000
Aromatics >EC35-EC44	<100 µg/kg	TM173		34400	16100	24200	41500	79100	56700
Aromatics >EC40-EC44	<100 µg/kg	TM173		12600	6720	10900	15300	30000	22500
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		150000	64000	124000	243000	297000	264000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		722000	151000	402000	820000	1280000	1020000

CERTIFICATE OF ANALYSIS

SDG:	141006-51	**Location:**	Coed Darcy	**Order Number:**	CD0883
Job:	H_ATKINS_LDC-265	**Customer:**	Atkins Global Ltd	**Report Number:**	289804
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	P2TP73	P2TP74	P2TP74	P2TP75	P2TP75	P2TP76
			Depth (m)	0.50	0.50	1.00	0.50	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/10/2014	02/10/2014	02/10/2014	02/10/2014	02/10/2014	02/10/2014
			Sample Time	.	.	.	.	.	.
			Date Received	06/10/2014	06/10/2014	06/10/2014	06/10/2014	06/10/2014	06/10/2014
			SDG Ref	141006-51	141006-51	141006-51	141006-51	141006-51	141006-51
			Lab Sample No.(s)	10130346	10130338	10130342	10130350	10130354	10130358
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		81 @	82 @	81 @	76 @	83 @	81 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		3100 @ M	4730 @ M	7780 @ M	2430 @ M	7180 @ M	2260 @ 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		28.3 @ M	8.96 @ M	<8 @ M	37.4 @ M	<8 @ M	17.1 @ M
Ethylbenzene	<3 µg/kg	TM089		<12 @ M	21.3 @ M	<12 @ M	<12 @ M	21.4 @ 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		13.1 @ M	35.8 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		13.1 @	35.8 @	<36 @	<36 @	<36 @	<36 @
sum of detected BTEX by GC	<24 µg/kg	TM089		41.4 @	66.1 @	<96 @	<96 @	<96 @	<96 @
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C6-C8	<10 µg/kg	TM089		61 @	112 @	217 @	51.7 @	82.5 @	48 @
Aliphatics >C8-C10	<10 µg/kg	TM089		375 @	722 @	1400 @	261 @	948 @	262 @
Aliphatics >C10-C12	<10 µg/kg	TM089		1400 @	1990 @	3120 @	1110 @	3260 @	1030 @
Aliphatics >C12-C16	<100 µg/kg	TM173		126000	38900	136000	63000	237000	76100
Aliphatics >C16-C21	<100 µg/kg	TM173		162000	55500	178000	77200	226000	96600
Aliphatics >C21-C35	<100 µg/kg	TM173		313000	80400	310000	167000	338000	188000
Aliphatics >C35-C44	<100 µg/kg	TM173		110000	19000	76000	60300	87900	73700
Total Aliphatics >C12-C44	<100 µg/kg	TM173		710000	194000	700000	368000	889000	434000
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		274 @	541 @	939 @	185 @	660 @	184 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		933 @	1330 @	2080 @	743 @	2180 @	687 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		6710	4100	12500	9050	11500	2690
Aromatics >EC16-EC21	<100 µg/kg	TM173		33100	16300	55100	43900	45200	8000
Aromatics >EC21-EC35	<100 µg/kg	TM173		141000	62800	187000	168000	141000	71000
Aromatics >EC35-EC44	<100 µg/kg	TM173		57700	22200	74200	50000	47700	29200
Aromatics >EC40-EC44	<100 µg/kg	TM173		21800	8040	30600	18900	17400	10800
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		238000	105000	329000	271000	246000	111000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		951000	304000	1040000	641000	1140000	547000

CERTIFICATE OF ANALYSIS

SDG:	141006-51	**Location:**	Coed Darcy	**Order Number:**	CD0883
Job:	H_ATKINS_LDC-265	**Customer:**	Atkins Global Ltd	**Report Number:**	289804
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample R	P2TP76	P2TP81	P2TP82	P2TP82	P2TP82
			Depth (m)	1.00	0.50	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/10/2014	02/10/2014	02/10/2014	02/10/2014	02/10/2014
			Sample Time	.	.	.	.	.
			Date Received	06/10/2014	06/10/2014	06/10/2014	06/10/2014	06/10/2014
			SDG Ref	141006-51	141006-51	141006-51	141006-51	141006-51
			Lab Sample No.(s)	10130362	10130280	10130284	10130287	10130291
			AGS Reference					
GRO Surrogate % recovery**	%	TM089		80 @	80 @	78 @	79 @	77 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		1250 @ M	2180 @ M	1140 @ M	2330 @ M	4500 @ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<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
Toluene	<2 µg/kg	TM089		13.1 @ M	14.2 @ M	13.1 @ M	9.88 @ M	11.1 @ M
Ethylbenzene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<12 @ M	15.5 @ M
m,p-Xylene	<6 µg/kg	TM089		<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M
o-Xylene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<12 @ M	17.8 @ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<36 @	<9 @	<36 @	<9 @	17.8 @
sum of detected BTEX by GC	<24 µg/kg	TM089		<96 @	<24 @	<96 @	<24 @	44.4 @
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C6-C8	<10 µg/kg	TM089		45.7 @	59.1 @	47.9 @	94.4 @	105 @
Aliphatics >C8-C10	<10 µg/kg	TM089		132 @	222 @	151 @	343 @	601 @
Aliphatics >C10-C12	<10 µg/kg	TM089		560 @	1020 @	464 @	949 @	1980 @
Aliphatics >C12-C16	<100 µg/kg	TM173		33900	74000	70300	124000	142000
Aliphatics >C16-C21	<100 µg/kg	TM173		51900	109000	118000	239000	225000
Aliphatics >C21-C35	<100 µg/kg	TM173		101000	191000	334000	398000	391000
Aliphatics >C35-C44	<100 µg/kg	TM173		31400	51300	119000	87100	74500
Total Aliphatics >C12-C44	<100 µg/kg	TM173		218000	425000	642000	847000	832000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC8-EC10	<10 µg/kg	TM089		96.9 @	164 @	135 @	256 @	443 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		374 @	677 @	309 @	632 @	1320 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		1720	6310	8700	17800	22700
Aromatics >EC16-EC21	<100 µg/kg	TM173		3120	31000	41200	89500	92800
Aromatics >EC21-EC35	<100 µg/kg	TM173		46100	124000	161000	234000	231000
Aromatics >EC35-EC44	<100 µg/kg	TM173		18900	41100	63400	76600	65200
Aromatics >EC40-EC44	<100 µg/kg	TM173		6920	14700	24000	28200	23100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		69800	203000	274000	418000	412000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		289000	630000	917000	1270000	1250000

CERTIFICATE OF ANALYSIS

SDG:	141006-51	**Location:**	Coed Darcy	**Order Number:**	CD0883
Job:	H_ATKINS_LDC-265	**Customer:**	Atkins Global Ltd	**Report Number:**	289804
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

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 Receieved SDG Original Sample Method Number	P2TP65 0.50 SOLID 02/10/2014 00:00:00 20/10/2014 11:27:09 141006-51 10130335 TM 304	Amosite (#)	Loose fibres	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P2TP70 0.50 SOLID 02/10/2014 00:00:00 21/10/2014 08:44:17 141006-51 10130295 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P2TP71 0.50 SOLID 02/10/2014 00:00:00 21/10/2014 08:40:28 141006-51 10130307 TM 304	None (#)	N/C	0.0025 (#)	<0.001 (#)	0.0028 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P2TP71 1.50 SOLID 02/10/2014 00:00:00 20/10/2014 10:00:29 141006-51 10130311 TM 304	None (#)	N/C	0.0010 (#)	<0.001 (#)	0.0013 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P2TP72 1.50 SOLID 02/10/2014 00:00:00 23/10/2014 18:26:18 141006-51 10130318 TM 304	Chrysotile (Loose fibres in soil.) (#)	N/C	0.0026 (#)	<0.001 (#)	0.0028 (#)

CERTIFICATE OF ANALYSIS

SDG:	141006-51	**Location:**	Coed Darcy	**Order Number:**	CD0883
Job:	H_ATKINS_LDC-265	**Customer:**	Atkins Global Ltd	**Report Number:**	289804
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

		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 Receieved SDG Original Sample Method Number	P2TP73 0.50 SOLID 02/10/2014 00:00:00 21/10/2014 08:28:41 141006-51 10130346 TM 304	None (#)	N/C	0.0013 (#)	<0.001 (#)	0.0016 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P2TP74 0.50 SOLID 02/10/2014 00:00:00 21/10/2014 08:31:47 141006-51 10130338 TM 304	None (#)	N/C	0.0014 (#)	0.0032 (#)	0.0046 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P2TP75 0.50 SOLID 02/10/2014 00:00:00 20/10/2014 11:16:59 141006-51 10130350 TM 304	Amosite (Loose fibres in soil.) (#)	N/C	0.0014 (#)	<0.001 (#)	0.0017 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P2TP75 1.50 SOLID 02/10/2014 00:00:00 20/10/2014 11:24:58 141006-51 10130354 TM 304	None (#)	N/C	0.0010 (#)	<0.001 (#)	0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P2TP76 0.50 SOLID 02/10/2014 00:00:00 20/10/2014 11:20:08 141006-51 10130358 TM 304	Chrysotile (Debris of material typical of asbestos cement.) (#)	N/C	0.0024 (#)	<0.001 (#)	0.0029 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P2TP76 1.00 SOLID 02/10/2014 00:00:00 20/10/2014 11:22:07 141006-51 10130362 TM 304	Amosite (Loose fibres in soil.) (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)

CERTIFICATE OF ANALYSIS

SDG:	141006-51	**Location:**	Coed Darcy	**Order Number:**	CD0883
Job:	H_ATKINS_LDC-265	**Customer:**	Atkins Global Ltd	**Report Number:**	289804
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

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		
SUB (ASB)				
TM 304				
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.

CERTIFICATE OF ANALYSIS

SDG:	141006-51	**Location:**	Coed Darcy	**Order Number:**	CD0883
Job:	H_ATKINS_LDC-265	**Customer:**	Atkins Global Ltd	**Report Number:**	289804
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

Test Completion Dates

Lab Sample No(s)	10130315	10130323	10130327	10130331	10130335	10130295	10130299	10130303	10130307	10130311
Customer Sample Ref.	P2TP63	P2TP63	P2TP64	P2TP64	P2TP65	P2TP70	P2TP70	P2TP70	P2TP71	P2TP71
AGS Ref.										
Depth	0.50	1.00	0.50	1.00	0.50	0.50	1.50	2.50	0.50	1.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos fibres in Soil*	16-Oct-2014	16-Oct-2014	16-Oct-2014	16-Oct-2014	16-Oct-2014	16-Oct-2014	16-Oct-2014		16-Oct-2014	16-Oct-2014
Asbestos Quantification - Full					28-Oct-2014	24-Oct-2014			27-Oct-2014	27-Oct-2014
EPH CWG (Aliphatic) GC (S)	16-Oct-2014	20-Oct-2014	20-Oct-2014	17-Oct-2014	20-Oct-2014	17-Oct-2014	17-Oct-2014	17-Oct-2014	16-Oct-2014	17-Oct-2014
EPH CWG (Aromatic) GC (S)	16-Oct-2014	20-Oct-2014	20-Oct-2014	17-Oct-2014	20-Oct-2014	17-Oct-2014	17-Oct-2014	17-Oct-2014	16-Oct-2014	17-Oct-2014
GRO by GC-FID (S)	20-Oct-2014	19-Oct-2014	19-Oct-2014	19-Oct-2014	19-Oct-2014	20-Oct-2014	20-Oct-2014	20-Oct-2014	20-Oct-2014	20-Oct-2014
Metals in solid samples by OES	17-Oct-2014	17-Oct-2014	17-Oct-2014	16-Oct-2014	21-Oct-2014	17-Oct-2014	16-Oct-2014	17-Oct-2014	16-Oct-2014	20-Oct-2014
PAH by GCMS	17-Oct-2014	16-Oct-2014	17-Oct-2014	17-Oct-2014	17-Oct-2014	18-Oct-2014	17-Oct-2014	17-Oct-2014	17-Oct-2014	17-Oct-2014
pH	17-Oct-2014	17-Oct-2014	17-Oct-2014	17-Oct-2014	17-Oct-2014	16-Oct-2014	16-Oct-2014	16-Oct-2014	17-Oct-2014	17-Oct-2014
Sample description	13-Oct-2014	13-Oct-2014	13-Oct-2014	13-Oct-2014	13-Oct-2014	10-Oct-2014	14-Oct-2014	09-Oct-2014	10-Oct-2014	10-Oct-2014
Total Organic Carbon	17-Oct-2014				17-Oct-2014	17-Oct-2014				
TPH CWG GC (S)	20-Oct-2014	20-Oct-2014	20-Oct-2014	19-Oct-2014	20-Oct-2014	20-Oct-2014	20-Oct-2014	20-Oct-2014	20-Oct-2014	20-Oct-2014

Lab Sample No(s)	10130276	10130318	10130346	10130338	10130342	10130350	10130354	10130358	10130362	10130280
Customer Sample Ref.	P2TP72	P2TP72	P2TP73	P2TP74	P2TP74	P2TP75	P2TP75	P2TP76	P2TP76	P2TP81
AGS Ref.										
Depth	0.50	1.50	0.50	0.50	1.00	0.50	1.50	0.50	1.00	0.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos fibres in Soil*	16-Oct-2014	16-Oct-2014	16-Oct-2014	16-Oct-2014	16-Oct-2014	16-Oct-2014	16-Oct-2014	16-Oct-2014	16-Oct-2014	16-Oct-2014
Asbestos Quantification - Full		27-Oct-2014	27-Oct-2014	27-Oct-2014		27-Oct-2014	24-Oct-2014	27-Oct-2014	27-Oct-2014	
EPH CWG (Aliphatic) GC (S)	17-Oct-2014	20-Oct-2014	17-Oct-2014	17-Oct-2014	16-Oct-2014	20-Oct-2014	17-Oct-2014	17-Oct-2014	17-Oct-2014	17-Oct-2014
EPH CWG (Aromatic) GC (S)	17-Oct-2014	20-Oct-2014	17-Oct-2014	17-Oct-2014	16-Oct-2014	20-Oct-2014	17-Oct-2014	17-Oct-2014	17-Oct-2014	17-Oct-2014
GRO by GC-FID (S)	20-Oct-2014	20-Oct-2014	20-Oct-2014	20-Oct-2014	20-Oct-2014	19-Oct-2014	19-Oct-2014	19-Oct-2014	19-Oct-2014	20-Oct-2014
Metals in solid samples by OES	16-Oct-2014	20-Oct-2014	16-Oct-2014	17-Oct-2014	16-Oct-2014	20-Oct-2014	16-Oct-2014	16-Oct-2014	17-Oct-2014	17-Oct-2014
PAH by GCMS	17-Oct-2014	17-Oct-2014	17-Oct-2014	18-Oct-2014	17-Oct-2014	16-Oct-2014	17-Oct-2014	17-Oct-2014	17-Oct-2014	17-Oct-2014
pH	17-Oct-2014	17-Oct-2014	17-Oct-2014	17-Oct-2014	16-Oct-2014	17-Oct-2014	17-Oct-2014	17-Oct-2014	17-Oct-2014	17-Oct-2014
Sample description	09-Oct-2014	13-Oct-2014	10-Oct-2014	10-Oct-2014	10-Oct-2014	13-Oct-2014	13-Oct-2014	13-Oct-2014	14-Oct-2014	09-Oct-2014
Total Organic Carbon	16-Oct-2014					20-Oct-2014				
TPH CWG GC (S)	20-Oct-2014	20-Oct-2014	20-Oct-2014	20-Oct-2014	20-Oct-2014	20-Oct-2014	19-Oct-2014	19-Oct-2014	19-Oct-2014	20-Oct-2014

Lab Sample No(s)	10130284	10130287	10130291
Customer Sample Ref.	P2TP82	P2TP82	P2TP82
AGS Ref.			
Depth	0.50	1.50	2.50
Type	SOLID	SOLID	SOLID
Asbestos fibres in Soil*	16-Oct-2014	16-Oct-2014	
EPH CWG (Aliphatic) GC (S)	17-Oct-2014	16-Oct-2014	16-Oct-2014
EPH CWG (Aromatic) GC (S)	17-Oct-2014	16-Oct-2014	16-Oct-2014
GRO by GC-FID (S)	20-Oct-2014	20-Oct-2014	20-Oct-2014
Metals in solid samples by OES	17-Oct-2014	16-Oct-2014	16-Oct-2014
PAH by GCMS	17-Oct-2014	17-Oct-2014	17-Oct-2014
pH	17-Oct-2014	17-Oct-2014	17-Oct-2014
Sample description	11-Oct-2014	10-Oct-2014	09-Oct-2014
TPH CWG GC (S)	20-Oct-2014	20-Oct-2014	20-Oct-2014

SDG:	141006-51	**Location:**	Coed Darcy	**Order Number:**	CD0883
Job:	H_ATKINS_LDC-265	**Customer:**	Atkins Global Ltd	**Report Number:**	289804
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

Appendix

General

1. Results are expressed on a dry weight basis (dried at 35ºC) 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 Dimethyphenol, 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 presevation 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.

ALcontrol Laboratories

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Atkins Global Ltd
Project Jonah site office
Llan Coed House
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Attention: Jack Lowrie

CERTIFICATE OF ANALYSIS

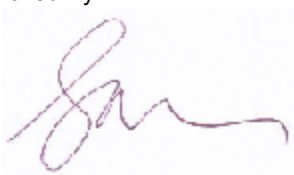
Date:	19 November 2014
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	141010-98
Your Reference:	Phase 31
Location:	Coed Darcy
Report No:	292427

We received 36 samples on Friday October 10, 2014 and 36 of these samples were scheduled for analysis which was completed on Tuesday November 18, 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

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Registered Office: Units 7 & 8 Hawarden Business Park, Manor Road, Hawarden, Deeside, CH5 3US. Registered in England and Wales No. 4057291.

CERTIFICATE OF ANALYSIS

SDG:	141010-98	**Location:**	Coed Darcy	**Order Number:**	CD0887
Job:	H_ATKINS_LDC-264	**Customer:**	Atkins Global Ltd	**Report Number:**	292427
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
10163154	P2TP2		0.30	08/10/2014
10163162	P2TP3		0.20	08/10/2014
10163172	P2TP4		0.20	08/10/2014
10163277	P2TP10		0.50	08/10/2014
10163179	P2TP11		0.50	08/10/2014
10163190	P2TP20		0.50	08/10/2014
10163272	P2TP21		0.50	08/10/2014
10163282	P2TP22		0.50	08/10/2014
10163287	P2TP24		1.00	08/10/2014
10163146	P2TP25		0.50	08/10/2014
10163262	P2TP26		0.50	08/10/2014
10163197	P2TP27		0.50	08/10/2014
10163206	P2TP36		0.50	08/10/2014
10163246	P2TP37		0.50	08/10/2014
10163118	P2TP39		0.50	08/10/2014
10163136	P2TP39		1.50	08/10/2014
10163079	P2TP40		0.50	08/10/2014
10163089	P2TP40		1.50	08/10/2014
10163099	P2TP41		0.50	08/10/2014
10163107	P2TP41		1.50	08/10/2014
10163216	P2TP42		0.50	08/10/2014
10163234	P2TP42		1.50	08/10/2014
10163127	P2TP46		0.50	06/10/2014
10163006	P2TP47		0.50	06/10/2014
10163222	P2TP48		0.50	06/10/2014
10163292	P2TP49		0.50	06/10/2014
10163297	P2TP50		0.40	06/10/2014
10163304	P2TP51		0.50	06/10/2014
10163308	P2TP52		0.50	06/10/2014
10163316	P2TP52		1.50	06/10/2014
10163321	P2TP53		0.50	06/10/2014
10163017	P2TP53		1.50	06/10/2014
10163056	P2TP54		0.50	08/10/2014
10163067	P2TP54		1.50	08/10/2014
10163030	P2TP55		0.50	08/10/2014
10163042	P2TP55		1.50	08/10/2014

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

SDG:	141010-98	**Location:**	Coed Darcy	**Order Number:**	CD0887
Job:	H_ATKINS_LDC-264	**Customer:**	Atkins Global Ltd	**Report Number:**	292427
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

SOLID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)			10163154			10163162			10163172			10163277			10163179			10163190			10163272		
Customer Sample Reference			P2TP2			P2TP3			P2TP4			P2TP10			P2TP11			P2TP20			P2TP21		
AGS Reference																							
Depth (m)			0.30			0.20			0.20			0.50			0.50			0.50			0.50		
Container			250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)
Anions by Kone (soil)	All	NDPs: 0 Tests: 9	X						X														
Asbestos fibres in Soil*	All	NDPs: 0 Tests: 36		X			X			X			X			X			X			X	
Asbestos Quantification - Full	All	NDPs: 0 Tests: 12								X			X										
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 36	X			X			X			X			X			X			X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 36	X			X			X			X			X			X			X		
GRO by GC-FID (S)	All	NDPs: 0 Tests: 36			X			X			X			X			X			X			X
Metals in solid samples by OES	All	NDPs: 0 Tests: 36	X			X			X			X			X			X			X		
PAH by GCMS	All	NDPs: 0 Tests: 36	X			X			X			X			X			X			X		
pH	All	NDPs: 0 Tests: 36		X			X			X			X			X			X			X	
Sample description	All	NDPs: 0 Tests: 36	X			X			X			X			X			X			X		
Total Organic Carbon	All	NDPs: 0 Tests: 6																					
TPH CWG GC (S)	All	NDPs: 0 Tests: 36	X			X			X			X			X			X			X		

Lab Sample No(s)			10163282			10163287			10163146			10163262			10163197			10163206			10163246
Customer Sample Reference			P2TP22			P2TP24			P2TP25			P2TP26			P2TP27			P2TP36			P2TP37
AGS Reference																					
Depth (m)			0.50			1.00			0.50			0.50			0.50			0.50			0.50
Container			250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar
Anions by Kone (soil)	All	NDPs: 0 Tests: 9				X															
Asbestos fibres in Soil*	All	NDPs: 0 Tests: 36		X			X			X			X			X			X		
Asbestos Quantification - Full	All	NDPs: 0 Tests: 12								X						X					
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 36	X			X			X			X			X			X			X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 36	X			X			X			X			X			X			X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 36			X			X			X			X			X			X	
Metals in solid samples by OES	All	NDPs: 0 Tests: 36	X			X			X			X			X			X			X
PAH by GCMS	All	NDPs: 0 Tests: 36	X			X			X			X			X			X			X
pH	All	NDPs: 0 Tests: 36		X			X			X			X			X			X		
Sample description	All	NDPs: 0 Tests: 36	X			X			X			X			X			X			X
Total Organic Carbon	All	NDPs: 0 Tests: 6				X												X			
TPH CWG GC (S)	All	NDPs: 0 Tests: 36	X			X			X			X			X			X			X

CERTIFICATE OF ANALYSIS

SDG:	141010-98	**Location:**	Coed Darcy	**Order Number:**	CD0887
Job:	H_ATKINS_LDC-264	**Customer:**	Atkins Global Ltd	**Report Number:**	292427
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

SOLID

Results Legend

X **Test**

N **No Determination Possible**

Lab Sample No(s)	10163246	10163118	10163136	10163079	10163089	10163099	10163107	10163216	10163234	10163127	10163006	10163222	10163292	10163297
Customer Sample Reference	P2TP37	P2TP39	P2TP39	P2TP40	P2TP40	P2TP41	P2TP41	P2TP42	P2TP42	P2TP46	P2TP47	P2TP48	P2TP49	P2TP50
AGS Reference														
Depth (m)	0.50	0.50	1.50	0.50	1.50	0.50	1.50	0.50	1.50	0.50	0.50	0.50	0.50	0.40
Container	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)
Anions by Kone (soil)	All	NDPs: 0 Tests: 9							X							X						X															X	
Asbestos fibres in Soil*	All	NDPs: 0 Tests: 36	X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X	
Asbestos Quantification - Full	All	NDPs: 0 Tests: 12			X																	X		X														
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 36		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X	
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 36		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X	
GRO by GC-FID (S)	All	NDPs: 0 Tests: 36	X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		
Metals in solid samples by OES	All	NDPs: 0 Tests: 36		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X	
PAH by GCMS	All	NDPs: 0 Tests: 36		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X	
pH	All	NDPs: 0 Tests: 36	X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X
Sample description	All	NDPs: 0 Tests: 36		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X	
Total Organic Carbon	All	NDPs: 0 Tests: 6			X																	X																X	
TPH CWG GC (S)	All	NDPs: 0 Tests: 36		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X	

CERTIFICATE OF ANALYSIS

SDG:	141010-98	**Location:**	Coed Darcy	**Order Number:**	CD0887
Job:	H_ATKINS_LDC-264	**Customer:**	Atkins Global Ltd	**Report Number:**	292427
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

SOLID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)	10163297	10163304	10163308	10163316	10163321	10163017	10163056	10163067	10163030	10163042
Customer Sample Reference	P2TP50	P2TP51	P2TP52	P2TP52	P2TP53	P2TP53	P2TP54	P2TP54	P2TP55	P2TP55
AGS Reference										
Depth (m)	0.40	0.50	0.50	1.50	0.50	1.50	0.50	1.50	0.50	1.50
Container	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)
Anions by Kone (soil)	All	NDPs: 0 Tests: 9				X																	X											
Asbestos fibres in Soil*	All	NDPs: 0 Tests: 36		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X
Asbestos Quantification - Full	All	NDPs: 0 Tests: 12						X		X								X		X		X				X								
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 36	X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 36	X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		
GRO by GC-FID (S)	All	NDPs: 0 Tests: 36	X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X
Metals in solid samples by OES	All	NDPs: 0 Tests: 36	X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		
PAH by GCMS	All	NDPs: 0 Tests: 36	X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		
pH	All	NDPs: 0 Tests: 36		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X
Sample description	All	NDPs: 0 Tests: 36	X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		
Total Organic Carbon	All	NDPs: 0 Tests: 6																					X												
TPH CWG GC (S)	All	NDPs: 0 Tests: 36	X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		

CERTIFICATE OF ANALYSIS

SDG:	141010-98	**Location:**	Coed Darcy	**Order Number:**	CD0887
Job:	H_ATKINS_LDC-264	**Customer:**	Atkins Global Ltd	**Report Number:**	292427
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

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
10163154	P2TP2	0.30	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
10163162	P2TP3	0.20	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
10163172	P2TP4	0.20	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
10163277	P2TP10	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
10163179	P2TP11	0.50	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	None
10163190	P2TP20	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
10163272	P2TP21	0.50	Dark Brown	Sandy Loam	2 - 10 mm	Stones	Vegetation
10163282	P2TP22	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
10163287	P2TP24	1.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
10163146	P2TP25	0.50	Dark Brown	Silt Loam	0.063 - 0.1 mm	Stones	Vegetation
10163262	P2TP26	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
10163197	P2TP27	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
10163206	P2TP36	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
10163246	P2TP37	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
10163118	P2TP39	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Brick	Stones
10163136	P2TP39	1.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
10163079	P2TP40	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
10163089	P2TP40	1.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
10163099	P2TP41	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
10163107	P2TP41	1.50	Dark Brown	Silty Clay Loam	0.1 - 2 mm	Stones	None
10163216	P2TP42	0.50	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	None
10163234	P2TP42	1.50	Dark Brown	Stone/Soil	0.1 - 2 mm	Stones	None
10163127	P2TP46	0.50	Dark Brown	Silt Loam	0.063 - 0.1 mm	Stones	None
10163006	P2TP47	0.50	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	None
10163222	P2TP48	0.50	Dark Brown	Silt Loam	0.063 - 0.1 mm	Stones	None
10163292	P2TP49	0.50	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	None
10163297	P2TP50	0.40	Dark Brown	Silt Loam	0.063 - 0.1 mm	Stones	None
10163304	P2TP51	0.50	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	None
10163308	P2TP52	0.50	Dark Brown	Silt Loam	0.063 - 0.1 mm	Stones	None
10163316	P2TP52	1.50	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	None
10163017	P2TP53	1.50	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	None
10163321	P2TP53	0.50	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	None
10163056	P2TP54	0.50	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	None
10163067	P2TP54	1.50	Dark Brown	Silt Loam	0.063 - 0.1 mm	Stones	None
10163030	P2TP55	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
10163042	P2TP55	1.50	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	None

CERTIFICATE OF ANALYSIS

SDG:	141010-98	**Location:**	Coed Darcy	**Order Number:**	CD0887
Job:	H_ATKINS_LDC-264	**Customer:**	Atkins Global Ltd	**Report Number:**	292427
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

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 ocurring 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.

CERTIFICATE OF ANALYSIS

SDG:	141010-98	**Location:**	Coed Darcy	**Order Number:**	CD0887
Job:	H_ATKINS_LDC-264	**Customer:**	Atkins Global Ltd	**Report Number:**	292427
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P2TP2	P2TP3	P2TP4	P2TP10	P2TP11	P2TP20
			Depth (m)	0.30	0.20	0.20	0.50	0.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/10/2014	08/10/2014	08/10/2014	08/10/2014	08/10/2014	08/10/2014
			Sample Time	.	.	.	.	.	.
			Date Received	10/10/2014	10/10/2014	10/10/2014	10/10/2014	10/10/2014	10/10/2014
			SDG Ref	141010-98	141010-98	141010-98	141010-98	141010-98	141010-98
			Lab Sample No.(s)	10163154	10163162	10163172	10163277	10163179	10163190
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		11	6.5	6.5	9.6	7.8	9.5
Actinolite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Amosite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Anthophyllite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Chrysotile*	-	SUB (ASB)		Not Detected #	Not Detected #	Detected #	Detected #	Not Detected #	Not Detected #
Crocidolite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Tremolite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Non-Asbestos Fibres Detected	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
pH	1 pH Units	TM133		8.03 M	8.26 M	8.42 M	8.24 M	8.18 M	7.92 M
Arsenic	<0.6 mg/kg	TM181		25.4 M	7.88 M	6.4 M	20.4 M	15.1 M	25.1 M
Cadmium	<0.02 mg/kg	TM181		0.684 M	<0.02 M	<0.02 M	0.225 M	0.191 M	0.28 M
Chromium	<0.9 mg/kg	TM181		17.2 M	18 M	16.5 M	42.6 M	16.1 M	17.5 M
Copper	<1.4 mg/kg	TM181		54 M	21 M	15.5 M	68.3 M	44.4 M	67.7 M
Lead	<0.7 mg/kg	TM181		70.4 M	26.9 M	14.1 M	101 M	89.2 M	137 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	0.523 M	0.304 M	0.397 M
Nickel	<0.2 mg/kg	TM181		32.8 M	43.8 M	37.5 M	30 M	28.2 M	27.1 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	1.37 #
Vanadium	<0.2 mg/kg	TM181		20.6 #	16 #	17.8 #	29.3 #	17.3 #	19.4 #
Zinc	<1.9 mg/kg	TM181		191 M	131 M	64.9 M	235 M	183 M	346 M
Water Soluble Sulphate as SO4 2:1 Extract	<0.004 g/l	TM243		0.258 & M		0.117 & M			

CERTIFICATE OF ANALYSIS

SDG:	141010-98	**Location:**	Coed Darcy	**Order Number:**	CD0887
Job:	H_ATKINS_LDC-264	**Customer:**	Atkins Global Ltd	**Report Number:**	292427
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P2TP21	P2TP22	P2TP24	P2TP25	P2TP26	P2TP27
			Depth (m)	0.50	0.50	1.00	0.50	0.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/10/2014	08/10/2014	08/10/2014	08/10/2014	08/10/2014	08/10/2014
			Sample Time	.	.	.	.	.	.
			Date Received	10/10/2014	10/10/2014	10/10/2014	10/10/2014	10/10/2014	10/10/2014
			SDG Ref	141010-98	141010-98	141010-98	141010-98	141010-98	141010-98
			Lab Sample No.(s)	10163272	10163282	10163287	10163146	10163262	10163197
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		8.1	25	11	10	7.4	8.4
Actinolite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Amosite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Anthophyllite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Chrysotile*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Detected #
Crocidolite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Detected #	Not Detected #	Not Detected #
Tremolite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Non-Asbestos Fibres Detected	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Soil Organic Matter (SOM)	<0.35 %	TM132				2.36 #			
pH	1 pH Units	TM133		8.11 M	8.22 M	8.28 M	8.05 M	8.28 M	8.12 M
Arsenic	<0.6 mg/kg	TM181		20.1 M	20.2 M	15.7 M	26.4 M	22 M	22.6 M
Cadmium	<0.02 mg/kg	TM181		0.251 M	0.279 M	0.137 M	0.276 M	0.232 M	0.322 M
Chromium	<0.9 mg/kg	TM181		21.9 M	17.3 M	12.5 M	19.6 M	15.4 M	16.9 M
Copper	<1.4 mg/kg	TM181		51.3 M	64 M	45.2 M	81.3 M	62.2 M	53.6 M
Lead	<0.7 mg/kg	TM181		68.3 M	73.5 M	45 M	94.5 M	93.2 M	126 M
Mercury	<0.14 mg/kg	TM181		0.159 M	0.438 M	<0.14 M	0.142 M	0.504 M	0.263 M
Nickel	<0.2 mg/kg	TM181		30.5 M	28.6 M	19.6 M	29.8 M	25.2 M	23.6 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		22.8 #	20.7 #	17.9 #	24 #	17.5 #	17.9 #
Zinc	<1.9 mg/kg	TM181		320 M	255 M	162 M	268 M	265 M	257 M
Water Soluble Sulphate as SO4 2:1 Extract	<0.004 g/l	TM243				0.243 & M			

CERTIFICATE OF ANALYSIS

SDG:	141010-98	**Location:**	Coed Darcy	**Order Number:**	CD0887
Job:	H_ATKINS_LDC-264	**Customer:**	Atkins Global Ltd	**Report Number:**	292427
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P2TP36	P2TP37	P2TP39	P2TP39	P2TP40	P2TP40
			Depth (m)	0.50	0.50	0.50	1.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/10/2014	08/10/2014	08/10/2014	08/10/2014	08/10/2014	08/10/2014
			Sample Time	.	.	.	.	.	.
			Date Received	10/10/2014	10/10/2014	10/10/2014	10/10/2014	10/10/2014	10/10/2014
			SDG Ref	141010-98	141010-98	141010-98	141010-98	141010-98	141010-98
			Lab Sample No.(s)	10163206	10163246	10163118	10163136	10163079	10163089
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		8.6	11	8.7	12	9.6	7.4
Actinolite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Amosite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Anthophyllite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Chrysotile*	-	SUB (ASB)		Not Detected #	Not Detected #	Detected #	Not Detected #	Not Detected #	Not Detected #
Crocidolite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Tremolite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Non-Asbestos Fibres Detected	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Soil Organic Matter (SOM)	<0.35 %	TM132		2.93 #			2.1 #		
pH	1 pH Units	TM133		7.99 M	7.49 M	9.02 M	8.36 M	8.43 M	8.26 M
Arsenic	<0.6 mg/kg	TM181		20.4 M	21.1 M	34.3 M	22.9 M	12.9 M	11.4 M
Cadmium	<0.02 mg/kg	TM181		0.406 M	0.134 M	0.52 M	0.31 M	0.0744 M	0.0255 M
Chromium	<0.9 mg/kg	TM181		15.1 M	14.1 M	16.7 M	17 M	16 M	18.4 M
Copper	<1.4 mg/kg	TM181		50.9 M	59.6 M	74.2 M	71.3 M	29.9 M	26.5 M
Lead	<0.7 mg/kg	TM181		150 M	104 M	176 M	96.7 M	43.1 M	37.1 M
Mercury	<0.14 mg/kg	TM181		0.254 M	0.267 M	0.665 M	0.484 M	0.23 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		26.3 M	24.1 M	25.7 M	25.8 M	29.5 M	39 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		17.9 #	16.6 #	19 #	21.7 #	16.6 #	16.2 #
Zinc	<1.9 mg/kg	TM181		833 M	284 M	469 M	571 M	142 M	139 M
Water Soluble Sulphate as SO4 2:1 Extract	<0.004 g/l	TM243							0.0964 & M

CERTIFICATE OF ANALYSIS

SDG:	141010-98	**Location:**	Coed Darcy	**Order Number:**	CD0887
Job:	H_ATKINS_LDC-264	**Customer:**	Atkins Global Ltd	**Report Number:**	292427
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P2TP41	P2TP41	P2TP42	P2TP42	P2TP46	P2TP47
			Depth (m)	0.50	1.50	0.50	1.50	0.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/10/2014	08/10/2014	08/10/2014	08/10/2014	06/10/2014	06/10/2014
			Sample Time	.	.	.	.	.	.
			Date Received	10/10/2014	10/10/2014	10/10/2014	10/10/2014	10/10/2014	10/10/2014
			SDG Ref	141010-98	141010-98	141010-98	141010-98	141010-98	141010-98
			Lab Sample No.(s)	10163099	10163107	10163216	10163234	10163127	10163006
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		14	13	9.5	8.8	8.1	9.1
Actinolite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Amosite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Detected #	Not Detected #
Anthophyllite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Chrysotile*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Crocidolite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Detected #
Tremolite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Non-Asbestos Fibres Detected	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Soil Organic Matter (SOM)	<0.35 %	TM132							2.64 #
pH	1 pH Units	TM133		8.1 M	7.98 M	8.27 M	8.23 #	8.08 M	8.32 M
Arsenic	<0.6 mg/kg	TM181		21.8 M	183 M	13.9 M	15.1 #	28 M	21.2 M
Cadmium	<0.02 mg/kg	TM181		0.239 M	<0.2 M	0.136 M	0.0405 #	0.104 M	0.227 M
Chromium	<0.9 mg/kg	TM181		16.2 M	166 M	11.8 M	14.2 #	14.7 M	16.7 M
Copper	<1.4 mg/kg	TM181		57.6 M	439 M	32.9 M	39 #	87.6 M	63.6 M
Lead	<0.7 mg/kg	TM181		92.1 M	614 M	113 M	35.4 #	48.4 M	89.7 M
Mercury	<0.14 mg/kg	TM181		0.212 M	19.1 M	0.2 M	<0.14 #	0.271 M	0.571 M
Nickel	<0.2 mg/kg	TM181		28.9 M	216 M	19.1 M	22.3 #	27.3 M	30 M
Selenium	<1 mg/kg	TM181		<1 #	<10 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		19.7 #	193 #	16.2 #	16.7 #	16.8 #	21.5 #
Zinc	<1.9 mg/kg	TM181		246 M	1950 M	290 M	160 #	301 M	233 M
Water Soluble Sulphate as SO4 2:1 Extract	<0.004 g/l	TM243					1.64 & #		0.134 @ M

CERTIFICATE OF ANALYSIS

SDG:	141010-98	**Location:**	Coed Darcy	**Order Number:**	CD0887
Job:	H_ATKINS_LDC-264	**Customer:**	Atkins Global Ltd	**Report Number:**	292427
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P2TP48	P2TP49	P2TP50	P2TP51	P2TP52	P2TP52
			Depth (m)	0.50	0.50	0.40	0.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	06/10/2014	06/10/2014	06/10/2014	06/10/2014	06/10/2014	06/10/2014
			Sample Time	.	.	.	.	.	.
			Date Received	10/10/2014	10/10/2014	10/10/2014	10/10/2014	10/10/2014	10/10/2014
			SDG Ref	141010-98	141010-98	141010-98	141010-98	141010-98	141010-98
			Lab Sample No.(s)	10163222	10163292	10163297	10163304	10163308	10163316
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		9.1	9	9.8	8.9	9.1	6.9
Actinolite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Amosite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Detected #
Anthophyllite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Chrysotile*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Crocidolite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Tremolite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Non-Asbestos Fibres Detected	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Soil Organic Matter (SOM)	<0.35 %	TM132				2.83 #			
pH	1 pH Units	TM133		8.17 M	8.21 M	7.81 M	7.88 M	8.08 M	7.97 M
Arsenic	<0.6 mg/kg	TM181		15.2 M	16.4 M	1.19 M	16.1 M	16.7 M	16.5 M
Cadmium	<0.02 mg/kg	TM181		0.0783 M	0.0737 M	<0.02 M	0.159 M	0.274 M	0.136 M
Chromium	<0.9 mg/kg	TM181		38 M	13.7 M	14.7 M	14.7 M	13.8 M	15.5 M
Copper	<1.4 mg/kg	TM181		40.5 M	51.3 M	48.5 M	47.3 M	47 M	41.9 M
Lead	<0.7 mg/kg	TM181		55.7 M	61.7 M	<0.7 M	69.1 M	79.5 M	82.4 M
Mercury	<0.14 mg/kg	TM181		0.384 M	0.355 M	<0.14 M	0.195 M	0.151 M	0.325 M
Nickel	<0.2 mg/kg	TM181		28.4 M	26.4 M	0.959 M	27.5 M	26.9 M	32.3 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		22.5 #	15.3 #	16.8 #	17.4 #	14.6 #	18 #
Zinc	<1.9 mg/kg	TM181		169 M	321 M	3.66 M	212 M	284 M	182 M
Water Soluble Sulphate as SO4 2:1 Extract	<0.004 g/l	TM243				0.4 @ M			0.223 @ M

CERTIFICATE OF ANALYSIS

SDG:	141010-98	**Location:**	Coed Darcy	**Order Number:**	CD0887
Job:	H_ATKINS_LDC-264	**Customer:**	Atkins Global Ltd	**Report Number:**	292427
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P2TP53	P2TP53	P2TP54	P2TP54	P2TP55	P2TP55
			Depth (m)	0.50	1.50	0.50	1.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	06/10/2014	06/10/2014	08/10/2014	08/10/2014	08/10/2014	08/10/2014
			Sample Time	.	.	.	.	.	.
			Date Received	10/10/2014	10/10/2014	10/10/2014	10/10/2014	10/10/2014	10/10/2014
			SDG Ref	141010-98	141010-98	141010-98	141010-98	141010-98	141010-98
			Lab Sample No.(s)	10163321	10163017	10163056	10163067	10163030	10163042
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		10	9.8	8.8	9.6	13	8.3
Actinolite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Amosite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Detected #
Anthophyllite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Chrysotile*	-	SUB (ASB)		Detected #	Not Detected #	Not Detected #	Detected #	Detected #	Not Detected #
Crocidolite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Tremolite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Non-Asbestos Fibres Detected	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Soil Organic Matter (SOM)	<0.35 %	TM132						2.52 #	
pH	1 pH Units	TM133		8.2 M	8.04 M	8.17 M	8.02 M	8.18 M	8.34 M
Arsenic	<0.6 mg/kg	TM181		38.8 M	21.7 M	15 M	37.3 M	17.5 M	11.6 M
Cadmium	<0.02 mg/kg	TM181		0.313 M	0.244 M	0.115 M	0.109 M	0.0907 M	<0.02 M
Chromium	<0.9 mg/kg	TM181		13.1 M	16.5 M	14 M	16.1 M	16.8 M	16.4 M
Copper	<1.4 mg/kg	TM181		61.3 M	63.7 M	41.2 M	113 M	49.5 M	30.1 M
Lead	<0.7 mg/kg	TM181		126 M	77.7 M	46.6 M	429 M	66.9 M	30.8 M
Mercury	<0.14 mg/kg	TM181		0.401 M	<0.14 M	0.213 M	<0.14 M	0.326 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		22.2 M	27.6 M	24.2 M	31.2 M	29.4 M	38.6 M
Selenium	<1 mg/kg	TM181		<1 #	1.05 #	<1 #	1.26 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		17.3 #	23 #	17 #	20 #	21.3 #	16.2 #
Zinc	<1.9 mg/kg	TM181		356 M	216 M	144 M	686 M	229 M	116 M
Water Soluble Sulphate as SO4 2:1 Extract	<0.004 g/l	TM243						0.33 & M	

CERTIFICATE OF ANALYSIS

SDG:	141010-98	**Location:**	Coed Darcy	**Order Number:**	CD0887
Job:	H_ATKINS_LDC-264	**Customer:**	Atkins Global Ltd	**Report Number:**	292427
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

PAH by GCMS

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P2TP2	P2TP3	P2TP4	P2TP10	P2TP11	P2TP20
			Depth (m)	0.30	0.20	0.20	0.50	0.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/10/2014	08/10/2014	08/10/2014	08/10/2014	08/10/2014	08/10/2014
			Sample Time	.	.	.	.	.	.
			Date Received	10/10/2014	10/10/2014	10/10/2014	10/10/2014	10/10/2014	10/10/2014
			SDG Ref	141010-98	141010-98	141010-98	141010-98	141010-98	141010-98
			Lab Sample No.(s)	10163154	10163162	10163172	10163277	10163179	10163190
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		110	99.5	99.3	102	108	100
Acenaphthene-d10 % recovery**	%	TM218		105	99.9	104	105	103	102
Phenanthrene-d10 % recovery**	%	TM218		103	100	107	108	99.7	105
Chrysene-d12 % recovery**	%	TM218		104	98.4	115	120	99.5	120
Perylene-d12 % recovery**	%	TM218		103	112	124	125	96.8	126
Naphthalene	<9 µg/kg	TM218		39.8 ♦ M	19.4 ♦ M	34.7 ♦ M	42.1 ♦ M	71.3 ♦ M	82 ♦ M
Acenaphthylene	<12 µg/kg	TM218		<12 ♦ M	<12 ♦ M	<12 ♦ M	41.1 ♦ M	16 ♦ M	29.7 ♦ M
Acenaphthene	<8 µg/kg	TM218		18.4 ♦ M	<8 ♦ M	21.8 ♦ M	23.6 ♦ M	52.1 ♦ M	34.6 ♦ M
Fluorene	<10 µg/kg	TM218		34.5 ♦ M	11.9 ♦ M	26.3 ♦ M	41.5 ♦ M	66.6 ♦ M	104 ♦ M
Phenanthrene	<15 µg/kg	TM218		230 ♦ M	81.8 ♦ M	156 ♦ M	366 ♦ M	454 ♦ M	283 ♦ M
Anthracene	<16 µg/kg	TM218		25.5 ♦ M	<16 ♦ M	43.8 ♦ M	64.9 ♦ M	89.1 ♦ M	98.4 ♦ M
Fluoranthene	<17 µg/kg	TM218		267 ♦ M	60.4 ♦ M	94.3 ♦ M	433 ♦ M	553 ♦ M	298 ♦ M
Pyrene	<15 µg/kg	TM218		264 ♦ M	76.7 ♦ M	156 ♦ M	419 ♦ M	499 ♦ M	472 ♦ M
Benz(a)anthracene	<14 µg/kg	TM218		147 ♦ M	72.7 ♦ M	50.3 ♦ M	246 ♦ M	331 ♦ M	210 ♦ M
Chrysene	<10 µg/kg	TM218		196 ♦ M	58 ♦ M	106 ♦ M	328 ♦ M	408 ♦ M	274 ♦ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		274 ♦ M	103 ♦ M	91.9 ♦ M	325 ♦ M	491 ♦ M	300 ♦ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		89.6 ♦ M	29.3 ♦ M	28.7 ♦ M	136 ♦ M	169 ♦ M	135 ♦ M
Benzo(a)pyrene	<15 µg/kg	TM218		159 ♦ M	79.6 ♦ M	58.5 ♦ M	262 ♦ M	311 ♦ M	261 ♦ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		111 ♦ M	42.6 ♦ M	34 ♦ M	182 ♦ M	190 ♦ M	202 ♦ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		44.2 ♦ M	<23 ♦ M	<23 ♦ M	70.4 ♦ M	79.4 ♦ M	75.5 ♦ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		148 ♦ M	52.6 ♦ M	47.3 ♦ M	218 ♦ M	231 ♦ M	292 ♦ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		2050	688	949	3200	4010	3150

CERTIFICATE OF ANALYSIS

SDG:	141010-98	**Location:**	Coed Darcy	**Order Number:**	CD0887
Job:	H_ATKINS_LDC-264	**Customer:**	Atkins Global Ltd	**Report Number:**	292427
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P2TP21	P2TP22	P2TP24	P2TP25	P2TP26	P2TP27
			Depth (m)	0.50	0.50	1.00	0.50	0.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/10/2014	08/10/2014	08/10/2014	08/10/2014	08/10/2014	08/10/2014
			Sample Time	.	.	.	.	.	.
			Date Received	10/10/2014	10/10/2014	10/10/2014	10/10/2014	10/10/2014	10/10/2014
			SDG Ref	141010-98	141010-98	141010-98	141010-98	141010-98	141010-98
			Lab Sample No.(s)	10163272	10163282	10163287	10163146	10163262	10163197
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		104	102	100	101	94.9	98.1
Acenaphthene-d10 % recovery**	%	TM218		104	103	103	104	96.1	99.7
Phenanthrene-d10 % recovery**	%	TM218		102	103	107	107	94.9	98.3
Chrysene-d12 % recovery**	%	TM218		95.6	97.4	117	115	92.6	97.1
Perylene-d12 % recovery**	%	TM218		96.4	112	122	121	108	112
Naphthalene	<9 µg/kg	TM218		52.9 ♦ M	21.8 ♦ M	26.3 ♦ M	109 ♦ M	86.8 ♦ M	113 ♦ M
Acenaphthylene	<12 µg/kg	TM218		35.6 ♦ M	<12 ♦ M	29.4 ♦ M	24.5 ♦ M	22.8 ♦ M	29.1 ♦ M
Acenaphthene	<8 µg/kg	TM218		27.4 ♦ M	18.3 ♦ M	35.9 ♦ M	25.7 ♦ M	71.1 ♦ M	39.3 ♦ M
Fluorene	<10 µg/kg	TM218		51.6 ♦ M	27.6 ♦ M	86.8 ♦ M	41.9 ♦ M	154 ♦ M	84.7 ♦ M
Phenanthrene	<15 µg/kg	TM218		395 ♦ M	294 ♦ M	1360 ♦ M	401 ♦ M	1030 ♦ M	358 ♦ M
Anthracene	<16 µg/kg	TM218		65.8 ♦ M	45.6 ♦ M	791 ♦ M	68.1 ♦ M	307 ♦ M	107 ♦ M
Fluoranthene	<17 µg/kg	TM218		444 ♦ M	363 ♦ M	5010 ♦ M	384 ♦ M	1160 ♦ M	434 ♦ M
Pyrene	<15 µg/kg	TM218		447 ♦ M	313 ♦ M	4270 ♦ M	321 ♦ M	1090 ♦ M	559 ♦ M
Benz(a)anthracene	<14 µg/kg	TM218		188 ♦ M	242 ♦ M	1420 ♦ M	190 ♦ M	611 ♦ M	352 ♦ M
Chrysene	<10 µg/kg	TM218		325 ♦ M	246 ♦ M	1400 ♦ M	258 ♦ M	502 ♦ M	372 ♦ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		329 ♦ M	324 ♦ M	984 ♦ M	280 ♦ M	556 ♦ M	498 ♦ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		140 ♦ M	122 ♦ M	484 ♦ M	87.1 ♦ M	195 ♦ M	175 ♦ M
Benzo(a)pyrene	<15 µg/kg	TM218		242 ♦ M	231 ♦ M	823 ♦ M	194 ♦ M	427 ♦ M	397 ♦ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		157 ♦ M	114 ♦ M	326 ♦ M	128 ♦ M	177 ♦ M	222 ♦ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		63 ♦ M	41.6 ♦ M	112 ♦ M	49.1 ♦ M	67.7 ♦ M	80 ♦ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		203 ♦ M	135 ♦ M	381 ♦ M	165 ♦ M	200 ♦ M	277 ♦ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		3170	2540	17500	2730	6660	4100

CERTIFICATE OF ANALYSIS

SDG:	141010-98	**Location:**	Coed Darcy	**Order Number:**	CD0887
Job:	H_ATKINS_LDC-264	**Customer:**	Atkins Global Ltd	**Report Number:**	292427
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P2TP36	P2TP37	P2TP39	P2TP39	P2TP40	P2TP40
			Depth (m)	0.50	0.50	0.50	1.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/10/2014	08/10/2014	08/10/2014	08/10/2014	08/10/2014	08/10/2014
			Sample Time	.	.	.	.	.	.
			Date Received	10/10/2014	10/10/2014	10/10/2014	10/10/2014	10/10/2014	10/10/2014
			SDG Ref	141010-98	141010-98	141010-98	141010-98	141010-98	141010-98
			Lab Sample No.(s)	10163206	10163246	10163118	10163136	10163079	10163089
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		110	111	112	105	105	104
Acenaphthene-d10 % recovery**	%	TM218		106	113	108	104	106	104
Phenanthrene-d10 % recovery**	%	TM218		103	113	105	105	109	106
Chrysene-d12 % recovery**	%	TM218		105	112	107	95.4	108	100
Perylene-d12 % recovery**	%	TM218		105	125	105	103	125	115
Naphthalene	<9 µg/kg	TM218		124 ♦ M	160 ♦ M	111 ♦ M	28.6 ♦ M	64.1 ♦ M	54.6 ♦ M
Acenaphthylene	<12 µg/kg	TM218		39.4 ♦ M	35.9 ♦ M	29.4 ♦ M	15.3 ♦ M	<12 ♦ M	<12 ♦ M
Acenaphthene	<8 µg/kg	TM218		68 ♦ M	70.6 ♦ M	188 ♦ M	36.5 ♦ M	17.8 ♦ M	25.2 ♦ M
Fluorene	<10 µg/kg	TM218		113 ♦ M	129 ♦ M	258 ♦ M	42.7 ♦ M	50.4 ♦ M	49.8 ♦ M
Phenanthrene	<15 µg/kg	TM218		452 ♦ M	442 ♦ M	1730 ♦ M	429 ♦ M	515 ♦ M	276 ♦ M
Anthracene	<16 µg/kg	TM218		121 ♦ M	154 ♦ M	571 ♦ M	56.5 ♦ M	61.8 ♦ M	46.9 ♦ M
Fluoranthene	<17 µg/kg	TM218		550 ♦ M	371 ♦ M	1750 ♦ M	480 ♦ M	169 ♦ M	288 ♦ M
Pyrene	<15 µg/kg	TM218		689 ♦ M	666 ♦ M	1420 ♦ M	396 ♦ M	420 ♦ M	309 ♦ M
Benz(a)anthracene	<14 µg/kg	TM218		422 ♦ M	343 ♦ M	823 ♦ M	235 ♦ M	697 ♦ M	193 ♦ M
Chrysene	<10 µg/kg	TM218		509 ♦ M	446 ♦ M	821 ♦ M	259 ♦ M	2740 ♦ M	213 ♦ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		769 ♦ M	455 ♦ M	797 ♦ M	291 ♦ M	464 ♦ M	311 ♦ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		262 ♦ M	157 ♦ M	338 ♦ M	96.5 ♦ M	159 ♦ M	106 ♦ M
Benzo(a)pyrene	<15 µg/kg	TM218		482 ♦ M	349 ♦ M	574 ♦ M	192 ♦ M	350 ♦ M	219 ♦ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		325 ♦ M	183 ♦ M	267 ♦ M	101 ♦ M	155 ♦ M	105 ♦ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		136 ♦ M	74.5 ♦ M	99.4 ♦ M	35.4 ♦ M	124 ♦ M	40.2 ♦ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		443 ♦ M	229 ♦ M	294 ♦ M	132 ♦ M	187 ♦ M	123 ♦ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		5500	4260	10100	2830	6180	2360

CERTIFICATE OF ANALYSIS

SDG:	141010-98	**Location:**	Coed Darcy	**Order Number:**	CD0887
Job:	H_ATKINS_LDC-264	**Customer:**	Atkins Global Ltd	**Report Number:**	292427
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

PAH by GCMS

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P2TP41	P2TP41	P2TP42	P2TP42	P2TP46	P2TP47
			Depth (m)	0.50	1.50	0.50	1.50	0.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/10/2014	08/10/2014	08/10/2014	08/10/2014	06/10/2014	06/10/2014
			Sample Time	.	.	.	.	.	.
			Date Received	10/10/2014	10/10/2014	10/10/2014	10/10/2014	10/10/2014	10/10/2014
			SDG Ref	141010-98	141010-98	141010-98	141010-98	141010-98	141010-98
			Lab Sample No.(s)	10163099	10163107	10163216	10163234	10163127	10163006
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		113	96.7	104	108	101	105
Acenaphthene-d10 % recovery**	%	TM218		108	97	105	104	101	105
Phenanthrene-d10 % recovery**	%	TM218		106	94.2	106	102	99.1	107
Chrysene-d12 % recovery**	%	TM218		106	89.8	105	99	93.9	100
Perylene-d12 % recovery**	%	TM218		104	90.7	121	93.9	95.2	106
Naphthalene	<9 µg/kg	TM218		59.8 ♦ M	107 ♦ M	78.8 ♦ M	<9 ♦ #	91.4 @ M	35.7 @ M
Acenaphthylene	<12 µg/kg	TM218		14.8 ♦ M	18.6 ♦ M	15.9 ♦ M	<12 ♦ #	17.2 @ M	13.5 @ M
Acenaphthene	<8 µg/kg	TM218		18.3 ♦ M	23.3 ♦ M	57.8 ♦ M	<8 ♦ #	33 @ M	16.5 @ M
Fluorene	<10 µg/kg	TM218		44 ♦ M	62.6 ♦ M	80.7 ♦ M	11.4 ♦ #	75.8 @ M	32.1 @ M
Phenanthrene	<15 µg/kg	TM218		284 ♦ M	293 ♦ M	273 ♦ M	90.1 ♦ #	510 @ M	295 @ M
Anthracene	<16 µg/kg	TM218		57 ♦ M	57.8 ♦ M	152 ♦ M	<16 ♦ #	68 @ M	44 @ M
Fluoranthene	<17 µg/kg	TM218		388 ♦ M	288 ♦ M	248 ♦ M	67.3 ♦ #	467 @ M	314 @ M
Pyrene	<15 µg/kg	TM218		408 ♦ M	431 ♦ M	445 ♦ M	67.2 ♦ #	589 @ M	310 @ M
Benz(a)anthracene	<14 µg/kg	TM218		254 ♦ M	184 ♦ M	208 ♦ M	42.7 ♦ #	273 @ M	192 @ M
Chrysene	<10 µg/kg	TM218		348 ♦ M	313 ♦ M	220 ♦ M	68.6 ♦ #	974 @ M	240 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		393 ♦ M	355 ♦ M	234 ♦ M	86.7 ♦ #	376 @ M	309 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		129 ♦ M	114 ♦ M	75.9 ♦ M	22.4 ♦ #	146 @ M	92 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		221 ♦ M	220 ♦ M	193 ♦ M	38.9 ♦ #	299 @ M	174 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		149 ♦ M	141 ♦ M	89.3 ♦ M	26.8 ♦ #	159 @ M	97.2 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		61.8 ♦ M	62.7 ♦ M	37 ♦ M	<23 ♦ #	88.8 @ M	41 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		189 ♦ M	188 ♦ M	111 ♦ M	40.3 ♦ #	214 @ M	128 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		3020	2860	2520	562	4380	2330

CERTIFICATE OF ANALYSIS

SDG:	141010-98	**Location:**	Coed Darcy	**Order Number:**	CD0887
Job:	H_ATKINS_LDC-264	**Customer:**	Atkins Global Ltd	**Report Number:**	292427
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

PAH by GCMS

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P2TP48	P2TP49	P2TP50	P2TP51	P2TP52	P2TP52
			Depth (m)	0.50	0.50	0.40	0.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	06/10/2014	06/10/2014	06/10/2014	06/10/2014	06/10/2014	06/10/2014
			Sample Time	.	.	.	.	.	.
			Date Received	10/10/2014	10/10/2014	10/10/2014	10/10/2014	10/10/2014	10/10/2014
			SDG Ref	141010-98	141010-98	141010-98	141010-98	141010-98	141010-98
			Lab Sample No.(s)	10163222	10163292	10163297	10163304	10163308	10163316
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		101	101	103	99.4	96.8	101
Acenaphthene-d10 % recovery**	%	TM218		101	101	103	98.4	96	100
Phenanthrene-d10 % recovery**	%	TM218		103	99.2	99.5	95.9	94	97.6
Chrysene-d12 % recovery**	%	TM218		99.4	92.9	95	104	89.6	105
Perylene-d12 % recovery**	%	TM218		113	97	97.6	114	92.7	110
Naphthalene	<9 µg/kg	TM218		50.6 @ M	101 @ M	133 @ M	139 @ M	134 @ M	83.5 @ M
Acenaphthylene	<12 µg/kg	TM218		24.7 @ M	<12 @ M	29.7 @ M	22.4 @ M	34.4 @ M	16.2 @ M
Acenaphthene	<8 µg/kg	TM218		25.8 @ M	30.4 @ M	61 @ M	46.1 @ M	53.8 @ M	27.3 @ M
Fluorene	<10 µg/kg	TM218		49.6 @ M	90.6 @ M	105 @ M	119 @ M	117 @ M	62.9 @ M
Phenanthrene	<15 µg/kg	TM218		429 @ M	359 @ M	407 @ M	404 @ M	379 @ M	277 @ M
Anthracene	<16 µg/kg	TM218		70 @ M	52.5 @ M	89.1 @ M	128 @ M	110 @ M	60.8 @ M
Fluoranthene	<17 µg/kg	TM218		542 @ M	234 @ M	354 @ M	276 @ M	357 @ M	198 @ M
Pyrene	<15 µg/kg	TM218		537 @ M	328 @ M	564 @ M	439 @ M	563 @ M	299 @ M
Benz(a)anthracene	<14 µg/kg	TM218		359 @ M	182 @ M	203 @ M	316 @ M	259 @ M	175 @ M
Chrysene	<10 µg/kg	TM218		443 @ M	358 @ M	483 @ M	708 @ M	394 @ M	277 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		487 @ M	309 @ M	400 @ M	401 @ M	325 @ M	329 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		177 @ M	94.4 @ M	172 @ M	109 @ M	162 @ M	101 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		367 @ M	197 @ M	327 @ M	263 @ M	292 @ M	184 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		179 @ M	113 @ M	197 @ M	151 @ M	167 @ M	124 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		63.9 @ M	55.5 @ M	91.9 @ M	90.8 @ M	75.7 @ M	63.7 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		216 @ M	143 @ M	277 @ M	206 @ M	221 @ M	172 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		4020	2650	3890	3820	3640	2450

CERTIFICATE OF ANALYSIS

SDG:	141010-98	**Location:**	Coed Darcy	**Order Number:**	CD0887
Job:	H_ATKINS_LDC-264	**Customer:**	Atkins Global Ltd	**Report Number:**	292427
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P2TP53	P2TP53	P2TP54	P2TP54	P2TP55	P2TP55
			Depth (m)	0.50	1.50	0.50	1.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	06/10/2014	06/10/2014	08/10/2014	08/10/2014	08/10/2014	08/10/2014
			Sample Time	.	.	.	.	.	.
			Date Received	10/10/2014	10/10/2014	10/10/2014	10/10/2014	10/10/2014	10/10/2014
			SDG Ref	141010-98	141010-98	141010-98	141010-98	141010-98	141010-98
			Lab Sample No.(s)	10163321	10163017	10163056	10163067	10163030	10163042
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		103	97.7	111	106	94	100
Acenaphthene-d10 % recovery**	%	TM218		103	98.8	106	106	94	100
Phenanthrene-d10 % recovery**	%	TM218		102	97.9	103	104	93.6	99.1
Chrysene-d12 % recovery**	%	TM218		93.6	99.8	103	101	87.6	91.1
Perylene-d12 % recovery**	%	TM218		101	106	101	104	89.6	92.5
Naphthalene	<9 µg/kg	TM218		124 @ M	52.3 @ M	62.2 ♦ M	90.2 ♦ M	73 ♦ M	39.1 ♦ M
Acenaphthylene	<12 µg/kg	TM218		<12 @ M	23 @ M	<12 ♦ M	37.4 ♦ M	14.4 ♦ M	<12 ♦ M
Acenaphthene	<8 µg/kg	TM218		49.1 @ M	32.4 @ M	23.4 ♦ M	47.3 ♦ M	18.8 ♦ M	15 ♦ M
Fluorene	<10 µg/kg	TM218		125 @ M	57.6 @ M	43.5 ♦ M	92.4 ♦ M	39.9 ♦ M	40 ♦ M
Phenanthrene	<15 µg/kg	TM218		366 @ M	380 @ M	244 ♦ M	438 ♦ M	295 ♦ M	215 ♦ M
Anthracene	<16 µg/kg	TM218		141 @ M	63.1 @ M	43 ♦ M	98.6 ♦ M	36.3 ♦ M	25.4 ♦ M
Fluoranthene	<17 µg/kg	TM218		337 @ M	386 @ M	175 ♦ M	465 ♦ M	245 ♦ M	150 ♦ M
Pyrene	<15 µg/kg	TM218		564 @ M	350 @ M	263 ♦ M	612 ♦ M	285 ♦ M	164 ♦ M
Benz(a)anthracene	<14 µg/kg	TM218		233 @ M	276 @ M	196 ♦ M	235 ♦ M	124 ♦ M	77.7 ♦ M
Chrysene	<10 µg/kg	TM218		329 @ M	341 @ M	463 ♦ M	388 ♦ M	219 ♦ M	134 ♦ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		395 @ M	377 @ M	275 ♦ M	316 ♦ M	214 ♦ M	129 ♦ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		119 @ M	142 @ M	83.6 ♦ M	141 ♦ M	61.6 ♦ M	47.2 ♦ M
Benzo(a)pyrene	<15 µg/kg	TM218		245 @ M	252 @ M	175 ♦ M	261 ♦ M	135 ♦ M	78.6 ♦ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		141 @ M	148 @ M	113 ♦ M	159 ♦ M	91 ♦ M	45.5 ♦ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		64.2 @ M	60.9 @ M	61.9 ♦ M	66.9 ♦ M	38.6 ♦ M	<23 ♦ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		181 @ M	170 @ M	150 ♦ M	192 ♦ M	115 ♦ M	62.8 ♦ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		3410	3110	2370	3640	2010	1220

CERTIFICATE OF ANALYSIS

SDG:	141010-98	**Location:**	Coed Darcy	**Order Number:**	CD0887
Job:	H_ATKINS_LDC-264	**Customer:**	Atkins Global Ltd	**Report Number:**	292427
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P2TP2	P2TP3	P2TP4	P2TP10	P2TP11	P2TP20
			Depth (m)	0.30	0.20	0.20	0.50	0.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/10/2014	08/10/2014	08/10/2014	08/10/2014	08/10/2014	08/10/2014
			Sample Time	.	.	.	.	.	.
			Date Received	10/10/2014	10/10/2014	10/10/2014	10/10/2014	10/10/2014	10/10/2014
			SDG Ref	141010-98	141010-98	141010-98	141010-98	141010-98	141010-98
			Lab Sample No.(s)	10163154	10163162	10163172	10163277	10163179	10163190
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		82 ♦	88 ♦	101 ♦	90 ♦	89 ♦	110 ♦
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		2370 ♦ M	<176 ♦ M	2740 ♦ M	200 ♦ M	209 ♦ M	28000 ♦ 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	340 ♦ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 ♦	<9 ♦	<9 ♦	<9 ♦	<9 ♦	340 ♦
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 ♦	<24 ♦	<24 ♦	<24 ♦	<24 ♦	340 ♦
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	42.9 ♦
Aliphatics >C6-C8	<10 µg/kg	TM089		72.8 ♦	<40 ♦	49.2 ♦	<40 ♦	<40 ♦	971 ♦
Aliphatics >C8-C10	<10 µg/kg	TM089		417 ♦	<40 ♦	320 ♦	<40 ♦	<40 ♦	5810 ♦
Aliphatics >C10-C12	<10 µg/kg	TM089		950 ♦	<40 ♦	1280 ♦	68.8 ♦	85.6 ♦	10100 ♦
Aliphatics >C12-C16	<100 µg/kg	TM173		67200	1420	67600	16000	29600	266000
Aliphatics >C16-C21	<100 µg/kg	TM173		80100	7580	85900	23200	47500	243000
Aliphatics >C21-C35	<100 µg/kg	TM173		132000	20500	89900	52900	89200	398000
Aliphatics >C35-C44	<100 µg/kg	TM173		31200	3880	18100	18700	24300	100000
Total Aliphatics >C12-C44	<100 µg/kg	TM173		311000	33300	261000	111000	191000	1010000
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		279 ♦	<40 ♦	215 ♦	<40 ♦	<40 ♦	4210 ♦
Aromatics >EC10-EC12	<10 µg/kg	TM089		634 ♦	<40 ♦	854 ♦	46.6 ♦	56.4 ♦	6770 ♦
Aromatics >EC12-EC16	<100 µg/kg	TM173		2520	1540	3990	2640	5050	46600
Aromatics >EC16-EC21	<100 µg/kg	TM173		13000	<100	22400	11200	32700	105000
Aromatics >EC21-EC35	<100 µg/kg	TM173		42600	8980	41900	41300	97500	217000
Aromatics >EC35-EC44	<100 µg/kg	TM173		20200	3980	18100	15000	36500	63200
Aromatics >EC40-EC44	<100 µg/kg	TM173		8390	1260	7380	5240	14200	22100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		78400	14500	86300	70100	172000	431000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		392000	48000	351000	181000	363000	1470000

CERTIFICATE OF ANALYSIS

SDG:	141010-98	**Location:**	Coed Darcy	**Order Number:**	CD0887
Job:	H_ATKINS_LDC-264	**Customer:**	Atkins Global Ltd	**Report Number:**	292427
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P2TP21	P2TP22	P2TP24	P2TP25	P2TP26	P2TP27
			Depth (m)	0.50	0.50	1.00	0.50	0.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/10/2014	08/10/2014	08/10/2014	08/10/2014	08/10/2014	08/10/2014
			Sample Time	.	.	.	.	.	.
			Date Received	10/10/2014	10/10/2014	10/10/2014	10/10/2014	10/10/2014	10/10/2014
			SDG Ref	141010-98	141010-98	141010-98	141010-98	141010-98	141010-98
			Lab Sample No.(s)	10163272	10163282	10163287	10163146	10163262	10163197
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		92 ♦	89 ♦	93 ♦	91 ♦	84 ♦	79 ♦
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		1860 ♦ M	431 ♦ M	<176 ♦ M	393 ♦ M	13300 ♦ M	4160 ♦ 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	14.2 ♦ 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		77.3 ♦	<40 ♦	<40 ♦	<40 ♦	503 ♦	88.5 ♦
Aliphatics >C8-C10	<10 µg/kg	TM089		302 ♦	49.6 ♦	<40 ♦	66.6 ♦	2350 ♦	548 ♦
Aliphatics >C10-C12	<10 µg/kg	TM089		754 ♦	182 ♦	<40 ♦	137 ♦	5320 ♦	1850 ♦
Aliphatics >C12-C16	<100 µg/kg	TM173		36800	14100	5110	5510	245000	211000
Aliphatics >C16-C21	<100 µg/kg	TM173		50800	19000	11600	10700	288000	273000
Aliphatics >C21-C35	<100 µg/kg	TM173		91800	46500	27900	27100	470000	445000
Aliphatics >C35-C44	<100 µg/kg	TM173		25600	21700	9480	7300	101000	106000
Total Aliphatics >C12-C44	<100 µg/kg	TM173		205000	101000	54100	50600	1100000	1040000
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		204 ♦	<40 ♦	<40 ♦	46.6 ♦	1570 ♦	387 ♦
Aromatics >EC10-EC12	<10 µg/kg	TM089		502 ♦	121 ♦	<40 ♦	91 ♦	3550 ♦	1240 ♦
Aromatics >EC12-EC16	<100 µg/kg	TM173		6670	1760	<100	1550	16600	16900
Aromatics >EC16-EC21	<100 µg/kg	TM173		27300	8120	11400	6340	76900	84200
Aromatics >EC21-EC35	<100 µg/kg	TM173		97000	37900	40500	29500	192000	237000
Aromatics >EC35-EC44	<100 µg/kg	TM173		29400	41900	17400	17100	67700	93400
Aromatics >EC40-EC44	<100 µg/kg	TM173		10300	23800	6630	7260	26600	36800
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		160000	89800	69300	54400	353000	431000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		367000	191000	123000	105000	1470000	1470000

CERTIFICATE OF ANALYSIS

SDG:	141010-98	**Location:**	Coed Darcy	**Order Number:**	CD0887
Job:	H_ATKINS_LDC-264	**Customer:**	Atkins Global Ltd	**Report Number:**	292427
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P2TP36	P2TP37	P2TP39	P2TP39	P2TP40	P2TP40
			Depth (m)	0.50	0.50	0.50	1.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/10/2014	08/10/2014	08/10/2014	08/10/2014	08/10/2014	08/10/2014
			Sample Time	.	.	.	.	.	.
			Date Received	10/10/2014	10/10/2014	10/10/2014	10/10/2014	10/10/2014	10/10/2014
			SDG Ref	141010-98	141010-98	141010-98	141010-98	141010-98	141010-98
			Lab Sample No.(s)	10163206	10163246	10163118	10163136	10163079	10163089
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		89 ♦	84 ♦	83 ♦	84 ♦	73 ♦	62 ♦
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		14500 ♦ M	12000 ♦ M	3270 ♦ M	600 ♦ M	206 ♦ M	1100 ♦ 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 ♦	42.6 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦
Aliphatics >C6-C8	<10 µg/kg	TM089		880 ♦	475 ♦	163 ♦	93.5 ♦	<40 ♦	84.2 ♦
Aliphatics >C8-C10	<10 µg/kg	TM089		3260 ♦	2240 ♦	674 ♦	138 ♦	<40 ♦	132 ♦
Aliphatics >C10-C12	<10 µg/kg	TM089		4890 ♦	4620 ♦	1180 ♦	145 ♦	68.8 ♦	450 ♦
Aliphatics >C12-C16	<100 µg/kg	TM173		245000	331000	17000	4860	65800	24400
Aliphatics >C16-C21	<100 µg/kg	TM173		250000	331000	33600	14700	144000	31100
Aliphatics >C21-C35	<100 µg/kg	TM173		371000	529000	95400	34900	281000	55400
Aliphatics >C35-C44	<100 µg/kg	TM173		92200	119000	30400	8120	82100	15000
Total Aliphatics >C12-C44	<100 µg/kg	TM173		958000	1310000	176000	62600	573000	126000
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		2170 ♦	1490 ♦	449 ♦	104 ♦	<40 ♦	96.1 ♦
Aromatics >EC10-EC12	<10 µg/kg	TM089		3260 ♦	3080 ♦	785 ♦	96.9 ♦	45.5 ♦	300 ♦
Aromatics >EC12-EC16	<100 µg/kg	TM173		12900	68600	2420	1310	4170	9290
Aromatics >EC16-EC21	<100 µg/kg	TM173		56500	168000	9900	8550	24100	25400
Aromatics >EC21-EC35	<100 µg/kg	TM173		160000	359000	45400	30400	104000	68400
Aromatics >EC35-EC44	<100 µg/kg	TM173		68000	99900	22800	15000	43500	29200
Aromatics >EC40-EC44	<100 µg/kg	TM173		27600	35100	9400	6430	17000	10500
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		298000	696000	80400	55200	176000	132000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		1270000	2020000	260000	118000	748000	259000

CERTIFICATE OF ANALYSIS

SDG:	141010-98	**Location:**	Coed Darcy	**Order Number:**	CD0887
Job:	H_ATKINS_LDC-264	**Customer:**	Atkins Global Ltd	**Report Number:**	292427
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P2TP41	P2TP41	P2TP42	P2TP42	P2TP46	P2TP47
			Depth (m)	0.50	1.50	0.50	1.50	0.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/10/2014	08/10/2014	08/10/2014	08/10/2014	06/10/2014	06/10/2014
			Sample Time	.	.	.	.	.	.
			Date Received	10/10/2014	10/10/2014	10/10/2014	10/10/2014	10/10/2014	10/10/2014
			SDG Ref	141010-98	141010-98	141010-98	141010-98	141010-98	141010-98
			Lab Sample No.(s)	10163099	10163107	10163216	10163234	10163127	10163006
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		86 ♦	84 ♦	74 ♦	93 ♦	95 @	70 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 ♦ M	281 ♦ M	12200 ♦ M	<176 ♦ #	1620 @ M	1470 @ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 ♦ M	<20 ♦ M	<20 ♦ M	<20 ♦ #	<20 @ M	<20 @ M
Benzene	<10 µg/kg	TM089		<40 ♦ M	<40 ♦ M	<40 ♦ M	<40 ♦ #	<40 @ M	<40 @ M
Toluene	<2 µg/kg	TM089		<8 ♦ M	<8 ♦ M	<8 ♦ M	<8 ♦ #	<8 @ M	<8 @ M
Ethylbenzene	<3 µg/kg	TM089		<12 ♦ M	<12 ♦ M	<12 ♦ M	<12 ♦ #	<12 @ M	<12 @ M
m,p-Xylene	<6 µg/kg	TM089		<24 ♦ M	<24 ♦ M	<24 ♦ M	<24 ♦ #	<24 @ M	<24 @ M
o-Xylene	<3 µg/kg	TM089		<12 ♦ M	<12 ♦ M	<12 ♦ M	<12 ♦ #	<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 ♦	41.1 ♦	<40 ♦	<40 @	<40 @
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 ♦	<40 ♦	977 ♦	<40 ♦	<40 @	50.6 @
Aliphatics >C8-C10	<10 µg/kg	TM089		<40 ♦	56.4 ♦	2510 ♦	<40 ♦	174 @	123 @
Aliphatics >C10-C12	<10 µg/kg	TM089		<40 ♦	77.1 ♦	4190 ♦	<40 ♦	758 @	717 @
Aliphatics >C12-C16	<100 µg/kg	TM173		54700	24900	247000	<100	86200	37900
Aliphatics >C16-C21	<100 µg/kg	TM173		88800	124000	454000	<100	122000	48000
Aliphatics >C21-C35	<100 µg/kg	TM173		177000	255000	988000	<100	219000	80000
Aliphatics >C35-C44	<100 µg/kg	TM173		40400	63400	169000	<100	64500	20300
Total Aliphatics >C12-C44	<100 µg/kg	TM173		361000	467000	1860000	<100	492000	186000
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 ♦	44.9 ♦	1680 ♦	<40 ♦	120 @	82.5 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40 ♦	50.6 ♦	2790 ♦	<40 ♦	506 @	477 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		12500	9570	29000	<100	9060	2190
Aromatics >EC16-EC21	<100 µg/kg	TM173		44100	73900	171000	<100	39900	10300
Aromatics >EC21-EC35	<100 µg/kg	TM173		146000	191000	392000	3230	131000	44900
Aromatics >EC35-EC44	<100 µg/kg	TM173		55800	65500	108000	<100	46100	22700
Aromatics >EC40-EC44	<100 µg/kg	TM173		21700	26300	40400	<100	17500	9140
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		259000	340000	700000	3230	226000	80100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		620000	807000	2570000	3230	720000	268000

CERTIFICATE OF ANALYSIS

SDG:	141010-98	**Location:**	Coed Darcy	**Order Number:**	CD0887
Job:	H_ATKINS_LDC-264	**Customer:**	Atkins Global Ltd	**Report Number:**	292427
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P2TP48	P2TP49	P2TP50	P2TP51	P2TP52	P2TP52
			Depth (m)	0.50	0.50	0.40	0.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	06/10/2014	06/10/2014	06/10/2014	06/10/2014	06/10/2014	06/10/2014
			Sample Time	.	.	.	.	.	.
			Date Received	10/10/2014	10/10/2014	10/10/2014	10/10/2014	10/10/2014	10/10/2014
			SDG Ref	141010-98	141010-98	141010-98	141010-98	141010-98	141010-98
			Lab Sample No.(s)	10163222	10163292	10163297	10163304	10163308	10163316
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		84 @	65 @	79 @	85 @	90 @	93 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		2080 @ M	1260 @ M	4010 @ M	11400 @ M	22300 @ M	10100 @ 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	16.7 @ M	<8 @ M	<8 @ M	<8 @ M
Ethylbenzene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
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	143 @ M	<12 @ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 @	<9 @	<9 @	<9 @	143 @	<9 @
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 @	<24 @	<24 @	<24 @	143 @	<24 @
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	62.7 @	<40 @
Aliphatics >C6-C8	<10 µg/kg	TM089		55 @	45.1 @	67.7 @	168 @	1990 @	314 @
Aliphatics >C8-C10	<10 µg/kg	TM089		186 @	147 @	485 @	1660 @	5220 @	1930 @
Aliphatics >C10-C12	<10 µg/kg	TM089		1010 @	567 @	1850 @	5030 @	6810 @	3930 @
Aliphatics >C12-C16	<100 µg/kg	TM173		60300	78400	117000	188000	313000	116000
Aliphatics >C16-C21	<100 µg/kg	TM173		66100	116000	134000	180000	263000	129000
Aliphatics >C21-C35	<100 µg/kg	TM173		117000	221000	234000	283000	356000	214000
Aliphatics >C35-C44	<100 µg/kg	TM173		56400	67500	51400	72500	76100	54400
Total Aliphatics >C12-C44	<100 µg/kg	TM173		300000	483000	537000	724000	1010000	513000
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		130 @	102 @	330 @	1120 @	3620 @	1300 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		672 @	378 @	1230 @	3350 @	4540 @	2620 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		6110	3580	20200	41600	66100	18300
Aromatics >EC16-EC21	<100 µg/kg	TM173		24100	20000	70500	99500	153000	58300
Aromatics >EC21-EC35	<100 µg/kg	TM173		81200	89100	204000	196000	279000	145000
Aromatics >EC35-EC44	<100 µg/kg	TM173		47300	36700	71500	64800	76500	50000
Aromatics >EC40-EC44	<100 µg/kg	TM173		21700	13600	26400	25100	28200	19700
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		159000	149000	366000	402000	575000	272000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		460000	633000	907000	1140000	1610000	795000

CERTIFICATE OF ANALYSIS

SDG:	141010-98	**Location:**	Coed Darcy	**Order Number:**	CD0887
Job:	H_ATKINS_LDC-264	**Customer:**	Atkins Global Ltd	**Report Number:**	292427
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS 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	Customer Sample Ref.	P2TP53	P2TP53	P2TP54	P2TP54	P2TP55	P2TP55
			Depth (m)	0.50	1.50	0.50	1.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	06/10/2014	06/10/2014	08/10/2014	08/10/2014	08/10/2014	08/10/2014
			Sample Time	.	.	.	.	.	.
			Date Received	10/10/2014	10/10/2014	10/10/2014	10/10/2014	10/10/2014	10/10/2014
			SDG Ref	141010-98	141010-98	141010-98	141010-98	141010-98	141010-98
			Lab Sample No.(s)	10163321	10163017	10163056	10163067	10163030	10163042
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		72 @	90 @	79 ♦	91 ♦	72 ♦	73 ♦
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		8980 @ M	4740 @ M	369 ♦ M	10700 ♦ M	514 ♦ M	2240 ♦ 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		316 @	101 @	<40 ♦	270 ♦	51.8 ♦	77.4 ♦
Aliphatics >C8-C10	<10 µg/kg	TM089		1600 @	700 @	54.9 ♦	1930 ♦	73.6 ♦	313 ♦
Aliphatics >C10-C12	<10 µg/kg	TM089		3580 @	2070 @	138 ♦	4290 ♦	189 ♦	962 ♦
Aliphatics >C12-C16	<100 µg/kg	TM173		272000	55900	28400	203000	9240	16000
Aliphatics >C16-C21	<100 µg/kg	TM173		365000	73400	86800	204000	50700	38700
Aliphatics >C21-C35	<100 µg/kg	TM173		803000	151000	201000	340000	142000	56000
Aliphatics >C35-C44	<100 µg/kg	TM173		157000	30800	47100	67500	33100	11900
Total Aliphatics >C12-C44	<100 µg/kg	TM173		1600000	311000	364000	815000	235000	123000
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		1060 @	470 @	40.6 ♦	1280 ♦	51.8 ♦	219 ♦
Aromatics >EC10-EC12	<10 µg/kg	TM089		2390 @	1380 @	92.1 ♦	2860 ♦	125 ♦	642 ♦
Aromatics >EC12-EC16	<100 µg/kg	TM173		55500	11400	5600	37400	3180	2670
Aromatics >EC16-EC21	<100 µg/kg	TM173		199000	38500	34600	101000	20700	9930
Aromatics >EC21-EC35	<100 µg/kg	TM173		478000	94000	139000	200000	90600	32800
Aromatics >EC35-EC44	<100 µg/kg	TM173		127000	33200	45700	61300	32400	14700
Aromatics >EC40-EC44	<100 µg/kg	TM173		47800	13000	17000	25200	12500	5570
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		859000	177000	225000	400000	147000	60000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		2460000	493000	589000	1230000	382000	185000

CERTIFICATE OF ANALYSIS

SDG:	141010-98	**Location:**	Coed Darcy	**Order Number:**	CD0887
Job:	H_ATKINS_LDC-264	**Customer:**	Atkins Global Ltd	**Report Number:**	292427
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

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 Receieved SDG Original Sample Method Number	P2TP4 0.20 SOLID 08/10/2014 00:00:00 23/10/2014 15:42:41 141010-98 10163172 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P2TP10 0.50 SOLID 08/10/2014 00:00:00 23/10/2014 15:45:52 141010-98 10163277 TM 304	Amosite (#)	Loose fibres	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P2TP25 0.50 SOLID 08/10/2014 00:00:00 23/10/2014 15:40:03 141010-98 10163146 TM 304	Chrysotile (#)	Loose fibres	0.0034 (#)	<0.001 (#)	0.0037 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P2TP27 0.50 SOLID 08/10/2014 00:00:00 23/10/2014 16:41:36 141010-98 10163197 TM 304	Amosite (#)	Loose fibres	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P2TP39 0.50 SOLID 08/10/2014 00:00:00 24/10/2014 09:06:29 141010-98 10163118 TM 304	None (#)	N/C	0.0025 (#)	<0.001 (#)	0.0026 (#)

CERTIFICATE OF ANALYSIS

SDG: 141010-98 **Location:** Coed Darcy **Order Number:** CD0887
Job: H_ATKINS_LDC-264 **Customer:** Atkins Global Ltd **Report Number:** 292427
Client Reference: Phase 31 **Attention:** Jack Lowrie **Superseded Report:**

		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 Receieved SDG Original Sample Method Number	P2TP46 0.50 SOLID 06/10/2014 00:00:00 29/10/2014 13:48:10 141010-98 10163127 TM 304	Crocidolite (#)	Loose fibres	0.0014 (#)	<0.001 (#)	0.0017 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P2TP47 0.50 SOLID 06/10/2014 00:00:00 28/10/2014 07:40:32 141010-98 10163006 TM 304	Chrysotile (#)	Loose fibres	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P2TP52 1.50 SOLID 06/10/2014 00:00:00 28/10/2014 07:43:32 141010-98 10163316 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P2TP53 0.50 SOLID 06/10/2014 00:00:00 29/10/2014 13:45:47 141010-98 10163321 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P2TP54 1.50 SOLID 08/10/2014 00:00:00 23/10/2014 17:50:21 141010-98 10163067 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	P2TP55 0.50 SOLID 08/10/2014 00:00:00 23/10/2014 17:45:23 141010-98 10163030 TM 304	Amosite (#)	Loose fibres	<0.001 (#)	<0.001 (#)	<0.001 (#)

CERTIFICATE OF ANALYSIS

SDG: 141010-98 **Location:** Coed Darcy **Order Number:** CD0887
Job: H_ATKINS_LDC-264 **Customer:** Atkins Global Ltd **Report Number:** 292427
Client Reference: Phase 31 **Attention:** Jack Lowrie **Superseded Report:**

		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 Receieved SDG Original Sample Method Number	P2TP55 1.50 SOLID 08/10/2014 00:00:00 23/10/2014 17:47:58 141010-98 10163042 TM 304	Chrysotile (#)	Loose fibres	0.0065 (#)	<0.001 (#)	0.0066 (#)

SDG:	141010-98	**Location:**	Coed Darcy	**Order Number:**	CD0887
Job:	H_ATKINS_LDC-264	**Customer:**	Atkins Global Ltd	**Report Number:**	292427
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

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		
SUB (ASB)				
TM 304				
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		
TM243		Mixed Anions In Soils By Kone		

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

CERTIFICATE OF ANALYSIS

SDG:	141010-98	**Location:**	Coed Darcy	**Order Number:**	CD0887
Job:	H_ATKINS_LDC-264	**Customer:**	Atkins Global Ltd	**Report Number:**	292427
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

Test Completion Dates

Lab Sample No(s)	10163154	10163162	10163172	10163277	10163179	10163190	10163272	10163282	10163287	10163146
Customer Sample Ref.	P2TP2	P2TP3	P2TP4	P2TP10	P2TP11	P2TP20	P2TP21	P2TP22	P2TP24	P2TP25
AGS Ref.										
Depth	0.30	0.20	0.20	0.50	0.50	0.50	0.50	0.50	1.00	0.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Anions by Kone (soil)	14-Nov-2014		18-Nov-2014						14-Nov-2014	
Asbestos fibres in Soil*	21-Oct-2014	21-Oct-2014	21-Oct-2014	21-Oct-2014	21-Oct-2014	21-Oct-2014	21-Oct-2014	21-Oct-2014	21-Oct-2014	21-Oct-2014
Asbestos Quantification - Full			11-Nov-2014	12-Nov-2014						12-Nov-2014
EPH CWG (Aliphatic) GC (S)	21-Oct-2014	21-Oct-2014	21-Oct-2014	22-Oct-2014	22-Oct-2014	22-Oct-2014	22-Oct-2014	21-Oct-2014	21-Oct-2014	21-Oct-2014
EPH CWG (Aromatic) GC (S)	21-Oct-2014	21-Oct-2014	21-Oct-2014	22-Oct-2014	22-Oct-2014	22-Oct-2014	22-Oct-2014	21-Oct-2014	21-Oct-2014	21-Oct-2014
GRO by GC-FID (S)	25-Oct-2014	25-Oct-2014	27-Oct-2014	27-Oct-2014	25-Oct-2014	25-Oct-2014	25-Oct-2014	25-Oct-2014	25-Oct-2014	25-Oct-2014
Metals in solid samples by OES	23-Oct-2014	27-Oct-2014	24-Oct-2014	24-Oct-2014	23-Oct-2014	27-Oct-2014	24-Oct-2014	23-Oct-2014	24-Oct-2014	24-Oct-2014
PAH by GCMS	27-Oct-2014	27-Oct-2014	27-Oct-2014	27-Oct-2014	27-Oct-2014	27-Oct-2014	27-Oct-2014	27-Oct-2014	27-Oct-2014	27-Oct-2014
pH	22-Oct-2014	22-Oct-2014	22-Oct-2014	22-Oct-2014	22-Oct-2014	22-Oct-2014	22-Oct-2014	22-Oct-2014	22-Oct-2014	22-Oct-2014
Sample description	17-Oct-2014	17-Oct-2014	17-Oct-2014	17-Oct-2014	17-Oct-2014	17-Oct-2014	17-Oct-2014	17-Oct-2014	17-Oct-2014	16-Oct-2014
Total Organic Carbon									23-Oct-2014	
TPH CWG GC (S)	25-Oct-2014	25-Oct-2014	27-Oct-2014	27-Oct-2014	25-Oct-2014	25-Oct-2014	25-Oct-2014	25-Oct-2014	25-Oct-2014	25-Oct-2014

Lab Sample No(s)	10163262	10163197	10163206	10163246	10163118	10163136	10163079	10163089	10163099	10163107
Customer Sample Ref.	P2TP26	P2TP27	P2TP36	P2TP37	P2TP39	P2TP39	P2TP40	P2TP40	P2TP41	P2TP41
AGS Ref.										
Depth	0.50	0.50	0.50	0.50	0.50	1.50	0.50	1.50	0.50	1.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Anions by Kone (soil)								17-Nov-2014		
Asbestos fibres in Soil*	21-Oct-2014	21-Oct-2014	21-Oct-2014	21-Oct-2014	21-Oct-2014	21-Oct-2014	21-Oct-2014	21-Oct-2014	21-Oct-2014	21-Oct-2014
Asbestos Quantification - Full		11-Nov-2014			11-Nov-2014					
EPH CWG (Aliphatic) GC (S)	22-Oct-2014	22-Oct-2014	21-Oct-2014	22-Oct-2014	22-Oct-2014	21-Oct-2014	21-Oct-2014	21-Oct-2014	22-Oct-2014	21-Oct-2014
EPH CWG (Aromatic) GC (S)	22-Oct-2014	22-Oct-2014	21-Oct-2014	22-Oct-2014	22-Oct-2014	21-Oct-2014	21-Oct-2014	21-Oct-2014	22-Oct-2014	21-Oct-2014
GRO by GC-FID (S)	25-Oct-2014	27-Oct-2014	25-Oct-2014	25-Oct-2014	25-Oct-2014	25-Oct-2014	25-Oct-2014	25-Oct-2014	25-Oct-2014	25-Oct-2014
Metals in solid samples by OES	27-Oct-2014	24-Oct-2014	23-Oct-2014	27-Oct-2014	24-Oct-2014	23-Oct-2014	23-Oct-2014	23-Oct-2014	23-Oct-2014	24-Oct-2014
PAH by GCMS	27-Oct-2014	27-Oct-2014	27-Oct-2014	27-Oct-2014	27-Oct-2014	27-Oct-2014	27-Oct-2014	27-Oct-2014	27-Oct-2014	27-Oct-2014
pH	22-Oct-2014	22-Oct-2014	22-Oct-2014	22-Oct-2014	22-Oct-2014	22-Oct-2014	22-Oct-2014	22-Oct-2014	22-Oct-2014	22-Oct-2014
Sample description	17-Oct-2014	17-Oct-2014	17-Oct-2014	17-Oct-2014	17-Oct-2014	17-Oct-2014	17-Oct-2014	17-Oct-2014	17-Oct-2014	16-Oct-2014
Total Organic Carbon			23-Oct-2014			23-Oct-2014				
TPH CWG GC (S)	25-Oct-2014	27-Oct-2014	25-Oct-2014	25-Oct-2014	25-Oct-2014	25-Oct-2014	25-Oct-2014	25-Oct-2014	25-Oct-2014	25-Oct-2014

Lab Sample No(s)	10163216	10163234	10163127	10163006	10163222	10163292	10163297	10163304	10163308	10163316
Customer Sample Ref.	P2TP42	P2TP42	P2TP46	P2TP47	P2TP48	P2TP49	P2TP50	P2TP51	P2TP52	P2TP52
AGS Ref.										
Depth	0.50	1.50	0.50	0.50	0.50	0.50	0.40	0.50	0.50	1.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Anions by Kone (soil)		14-Nov-2014		18-Nov-2014			14-Nov-2014			18-Nov-2014
Asbestos fibres in Soil*	21-Oct-2014	21-Oct-2014	21-Oct-2014	21-Oct-2014	21-Oct-2014	21-Oct-2014	21-Oct-2014	21-Oct-2014	21-Oct-2014	21-Oct-2014
Asbestos Quantification - Full			12-Nov-2014	11-Nov-2014						12-Nov-2014
EPH CWG (Aliphatic) GC (S)	22-Oct-2014	22-Oct-2014	22-Oct-2014	22-Oct-2014	22-Oct-2014	22-Oct-2014	21-Oct-2014	21-Oct-2014	21-Oct-2014	21-Oct-2014
EPH CWG (Aromatic) GC (S)	22-Oct-2014	22-Oct-2014	22-Oct-2014	22-Oct-2014	22-Oct-2014	22-Oct-2014	21-Oct-2014	21-Oct-2014	21-Oct-2014	21-Oct-2014
GRO by GC-FID (S)	25-Oct-2014	25-Oct-2014	27-Oct-2014	27-Oct-2014	25-Oct-2014	25-Oct-2014	25-Oct-2014	25-Oct-2014	25-Oct-2014	27-Oct-2014
Metals in solid samples by OES	24-Oct-2014	24-Oct-2014	24-Oct-2014	25-Oct-2014	23-Oct-2014	27-Oct-2014	27-Oct-2014	24-Oct-2014	27-Oct-2014	24-Oct-2014
PAH by GCMS	27-Oct-2014	27-Oct-2014	27-Oct-2014	28-Oct-2014	27-Oct-2014	27-Oct-2014	27-Oct-2014	27-Oct-2014	27-Oct-2014	27-Oct-2014
pH	22-Oct-2014	22-Oct-2014	22-Oct-2014	22-Oct-2014	22-Oct-2014	22-Oct-2014	22-Oct-2014	22-Oct-2014	22-Oct-2014	22-Oct-2014
Sample description	17-Oct-2014	17-Oct-2014	17-Oct-2014	17-Oct-2014	17-Oct-2014	17-Oct-2014	16-Oct-2014	17-Oct-2014	16-Oct-2014	17-Oct-2014
Total Organic Carbon				24-Oct-2014			23-Oct-2014			
TPH CWG GC (S)	25-Oct-2014	25-Oct-2014	27-Oct-2014	27-Oct-2014	25-Oct-2014	25-Oct-2014	25-Oct-2014	25-Oct-2014	25-Oct-2014	27-Oct-2014

CERTIFICATE OF ANALYSIS

SDG:	141010-98	**Location:**	Coed Darcy	**Order Number:**	CD0887
Job:	H_ATKINS_LDC-264	**Customer:**	Atkins Global Ltd	**Report Number:**	292427
Client Reference:	Phase 31	**Attention:**	Jack Lowrie	**Superseded Report:**	

Lab Sample No(s)	10163017	10163321	10163056	10163067	10163030	10163042
Customer Sample Ref.	P2TP53	P2TP53	P2TP54	P2TP54	P2TP55	P2TP55
AGS Ref.						
Depth	1.50	0.50	0.50	1.50	0.50	1.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Anions by Kone (soil)					18-Nov-2014	
Asbestos fibres in Soil*	21-Oct-2014	21-Oct-2014	21-Oct-2014	21-Oct-2014	21-Oct-2014	21-Oct-2014
Asbestos Quantification - Full		11-Nov-2014		12-Nov-2014	11-Nov-2014	12-Nov-2014
EPH CWG (Aliphatic) GC (S)	21-Oct-2014	21-Oct-2014	22-Oct-2014	21-Oct-2014	22-Oct-2014	22-Oct-2014
EPH CWG (Aromatic) GC (S)	21-Oct-2014	21-Oct-2014	22-Oct-2014	21-Oct-2014	22-Oct-2014	22-Oct-2014
GRO by GC-FID (S)	25-Oct-2014	27-Oct-2014	25-Oct-2014	27-Oct-2014	27-Oct-2014	27-Oct-2014
Metals in solid samples by OES	23-Oct-2014	25-Oct-2014	24-Oct-2014	24-Oct-2014	24-Oct-2014	25-Oct-2014
PAH by GCMS	27-Oct-2014	27-Oct-2014	27-Oct-2014	27-Oct-2014	27-Oct-2014	27-Oct-2014
pH	22-Oct-2014	22-Oct-2014	22-Oct-2014	22-Oct-2014	22-Oct-2014	22-Oct-2014
Sample description	17-Oct-2014	17-Oct-2014	17-Oct-2014	16-Oct-2014	17-Oct-2014	17-Oct-2014
Total Organic Carbon					24-Oct-2014	
TPH CWG GC (S)	25-Oct-2014	27-Oct-2014	25-Oct-2014	27-Oct-2014	27-Oct-2014	27-Oct-2014

Derwentside Environmental Testing Services

Certificate of Analysis

Certificate Number 14-18094

20-Oct-14

Client	Alcontrol Laboratories Units 7 & 8 Hawarden Business Park Manor Road Hawarden Deeside CH5 3US
Our Reference	14-18094
Client Reference	141010-98
Contract Title	141010-98
Description	36 Soil samples.
Date Received	14-Oct-14
Date Started	14-Oct-14
Date Completed	20-Oct-14
Test Procedures	Asbestos Analysis DETSC 1101.
Notes	Opinions and interpretations are outside the scope of UKAS accreditation. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. Observations and interpretations are outside the scope of ISO 17025. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.

Approved By

Rob Brown
Business Manager

UKAS TESTING
2139

Summary of Asbestos Analysis
Soil Samples

Our Ref 14-18094
Client Ref 141010-98
Contract Title 141010-98

Lab No	Sample ID	Material Type	Result	Comment*	Analyst
713885	10174370 P2TP10 0.50	SOIL	Chrysotile	chrysotile present as fibre bundles	Jeff Cruddas
713886	10174161 P2TP11 0.50	SOIL	NAD	none	Jeff Cruddas
713887	10174187 P2TP2 0.30	SOIL	NAD	none	Jeff Cruddas
713888	10174614 P2TP20 0.50	SOIL	NAD	none	Jeff Cruddas
713889	10174622 P2TP21 0.50	SOIL	NAD	none	Jeff Cruddas
713890	10174617 P2TP22 0.50	SOIL	NAD	none	Jeff Cruddas
713891	10174570 P2TP24 1.00	SOIL	NAD	none	Jeff Cruddas
713892	10174360 P2TP25 0.50	SOIL	Crocidolite	crocidolite present as fibre bundles	Jeff Cruddas
713893	10174342 P2TP26 0.50	SOIL	NAD	none	Jeff Cruddas
713894	10174618 P2TP27 0.50	SOIL	Chrysotile	chrysotile present as fibre bundles	Jeff Cruddas
713895	10174178 P2TP3 0.20	SOIL	NAD	none	Jeff Cruddas
713896	10174180 P2TP26 0.50	SOIL	NAD	none	Jeff Cruddas
713897	10174171 P2TP37 0.50	SOIL	NAD	none	Jeff Cruddas
713898	10174243 P2TP39 0.50	SOIL	Chrysotile	chrysotile present as fibre bundles	Jeff Cruddas
713899	10174238 P2TP39 1.50	SOIL	NAD	none	Jeff Cruddas
713900	10174350 P2TP4 0.20	SOIL	Chrysotile	chrysotile present as fibre bundles	Jeff Cruddas
713901	10174239 P2TP40 0.50	SOIL	NAD	none	Jeff Cruddas
713902	10174240 P2TP40 1.50	SOIL	NAD	none	Jeff Cruddas
713903	10174365 P2TP41 0.50	SOIL	NAD	none	Jeff Cruddas
713904	10174251 P2TP41 1.50	SOIL	NAD	none	Jeff Cruddas
713905	10174346 P2TP42 0.50	SOIL	NAD	none	Jeff Cruddas
713906	10174590 P2TP42 1.50	SOIL	NAD	none	Jeff Cruddas
713907	10174084 P2TP46 0.50	SOIL	Amosite	amosite present as small clump & fibre bundles	Jeff Cruddas
713908	10174073 P2TP47 0.50	SOIL	Crocidolite	crocidolite present as fibre bundles	Jeff Cruddas
713909	10174020 P2TP48 0.50	SOIL	NAD	none	Jeff Cruddas
713910	10174247 P2TP49 0.50	SOIL	NAD	none	Jeff Cruddas
713911	10174033 P2TP50 0.40	SOIL	NAD	none	Jeff Cruddas
713912	10174035 P2TP51 0.50	SOIL	NAD	none	Jeff Cruddas
713913	10174098 P2TP52 0.50	SOIL	NAD	none	Jeff Cruddas
713914	10174089 P2TP52 1.50	SOIL	Amosite	amosite present as fibre bundles	Jeff Cruddas
713915	10174094 P2TP53 0.50	SOIL	Chrysotile	chrysotile present as fibre bundles	Michael Kay
713916	10174107 P2TP53 1.50	SOIL	NAD	none	Michael Kay
713917	10174030 P2TP54 0.50	SOIL	NAD	none	Michael Kay
713918	10174028 P2TP54 1.50	SOIL	Chrysotile	chrysotile present as fibre bundles	Michael Kay
713919	10174024 P2TP55 0.50	SOIL	Chrysotile	chrysotile present as fibre bundles	Michael Kay
713920	10174041 P2TP55 1.50	SOIL	Amosite	amosite present as fibre bundles	Michael Kay

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