Information in Support of the Analytical Results

Our Ref 15-34289
Client Ref 150501-93
Contract 150501-93

Containers Received & Deviating Samples

Lab No	Sample ID	Date Sampled	Containers Received	Holding time exceeded for tests	Inappropriate container for tests
807504	11312700 SOIL	29/04/15	P(other)		
807505	11312355 SOIL	29/04/15	P(other)		
807506	11312594 SOIL	29/04/15	P(other)		
807507	11312773 SOIL	29/04/15	P(other)		
807508	11312502 SOIL	29/04/15	P(other)		
807509	11312829 SOIL	29/04/15	P(other)		
807510	11312755 SOIL	29/04/15	P(other)		
807511	11312386 SOIL	29/04/15	P(other)		
807512	11312925 SOIL	29/04/15	P(other)		
807513	11312863 SOIL	29/04/15	P(other)		
807514	11312418 SOIL	29/04/15	P(other)		
807515	11312846 SOIL	29/04/15	P(other)		
807516	11312491 SOIL	29/04/15	P(other)		
807517	11312596 SOIL	29/04/15	P(other)		
807518	11312913 SOIL	29/04/15	P(other)		
807519	11312378 SOIL	29/04/15	P(other)		
807520	11312380 SOIL	29/04/15	P(other)		
807521	11312528 SOIL	29/04/15	P(other)		
807522	11312665 SOIL	29/04/15	P(other)		
807523	11312438 SOIL	29/04/15	P(other)		
807524	11312448 SOIL	29/04/15	P(other)		
807525	11312420 SOIL	29/04/15	P(other)		
807526	11312735 SOIL	29/04/15	P(other)		
807527	11312551 SOIL	29/04/15	P(other)		
807528	11312363 SOIL	29/04/15	P(other)		
807529	11312578 SOIL	29/04/15	P(other)		
807530	11312522 SOIL	29/04/15	P(other)		
807531	11312534 SOIL	29/04/15	P(other)		
807532	11312565 SOIL	29/04/15	P(other)		
807533	11312632 SOIL	29/04/15	P(other)		
807534	11312628 SOIL	29/04/15	P(other)		
807535	11312720 SOIL	29/04/15	P(other)		
807536	11312726 SOIL	29/04/15	P(other)		
807537	11312814 SOIL	29/04/15	P(other)		
807538	11312808 SOIL	29/04/15	P(other)		
807539	11312661 SOIL	29/04/15	P(other)		
807540	11312785 SOIL	29/04/15	P(other)		
807541	11312561 SOIL	29/04/15	P(other)		
807542	11312647 SOIL	29/04/15	P(other)		
807543	11312474 SOIL	29/04/15	P(other)		
807544	11312766 SOIL	29/04/15	P(other)		
807545	11312399 SOIL	29/04/15	P(other)		
807546	11312688 SOIL	29/04/15	P(other)		
807547	11312782 SOIL	29/04/15	P(other)		
807548	11312790 SOIL	29/04/15	P(other)		
807549	11312788 SOIL	29/04/15	P(other)		

Information in Support of the Analytical Results

Our Ref 15-34289
Client Ref 150501-93
Contract 150501-93

Key: P-Plastic

DETS cannot be held responsible for the integrity of samples received whereby the laboratory did not undertake the sampling. In this instance samples received may be deviating. Deviating Sample criteria are based on British and International standards and laboratory trials in conjunction with the UKAS note 'Guidance on Deviating Samples'. All samples received are listed above. However, those samples that have additional comments in relation to hold time and/or inappropriate containers are deviating due to the reasons stated. This means that the analysis is accredited where applicable, but results may be compromised due to sample deviations. If no sampled date (soils) or date+time (waters) has been supplied then samples are deviating. However, if you are able to supply a sampled date (and time for waters) this will prevent samples being reported as deviating where specific hold times are not exceeded and where the container supplied is suitable.

Disposal

From the issue date of this test certificate, samples will be held for the following times prior to disposal :-

Soils - 1 month, Liquids - 2 weeks, Asbestos (test portion) - 6 months

SDG:	150501-93	**Location:**	Coed Darcy	**Order Number:**	CD1197
Job:	H_ATKINS_LDC-350	**Customer:**	Atkins Global Ltd	**Report Number:**	317645
Client Reference:	Railhead TPs	**Attention:**	Alex Mann	**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** - Surrogates are added to your sample to monitor recovery of the test requested. A % recovery is reported, results are not corrected for the recovery measured. Typical recoveries for organics tests are 70-130%, they are generally wider for volatiles analysis, 50-150%. Recoveries in soils are affected by organic rich or clay rich matrices. Waters can be affected by remediation fluids or high amounts of sediment. Test results are only ever reported if all of the associated quality checks pass; it is assumed that all recoveries outside of the values above are due to matrix affect.

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

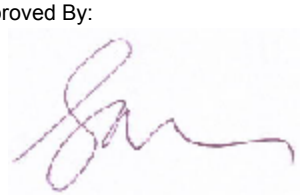
Date:	12 May 2015
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	150227-71
Your Reference:	Site Wide Trial Pitting
Location:	Coed Darcy
Report No:	312608

We received 131 samples on Friday February 27, 2015 and 131 of these samples were scheduled for analysis which was completed on Tuesday May 12, 2015. 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:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
10918021	IP0062		0.50	25/02/2015
10918026	IP0062		1.50	25/02/2015
10918035	IP0068		1.00	25/02/2015
10918041	IP0068		2.50	25/02/2015
10918048	IP0068		3.50	25/02/2015
10918052	IP0068		4.00	25/02/2015
10916977	IP1095		0.50	25/02/2015
10917639	IP1095		1.50	25/02/2015
10917815	IP1095		2.50	25/02/2015
10917918	IP1096		0.50	25/02/2015
10917973	IP1096		1.50	25/02/2015
10918030	IP1096		2.50	25/02/2015
10918090	IP1096		3.40	25/02/2015
10918146	IP1203		0.50	25/02/2015
10918217	IP1203		1.50	25/02/2015
10916986	IP1209		0.50	25/02/2015
10917120	IP1209		1.50	25/02/2015
10917291	IP1209		2.50	25/02/2015
10917485	IP1209		3.50	25/02/2015
10917544	IP1210		0.50	25/02/2015
10917672	IP1210		1.50	25/02/2015
10917686	IP1210		2.60	25/02/2015
10917706	IP1210		3.40	25/02/2015
10917721	IP1210		4.40	25/02/2015
10917740	IP1312		0.50	25/02/2015
10917754	IP1312		1.50	25/02/2015
10917768	IP1312		2.50	25/02/2015
10917778	IP1312		3.50	25/02/2015
10917559	IP1312		4.50	25/02/2015
10917577	IP1318		0.50	25/02/2015
10917589	IP1318		1.50	25/02/2015
10917605	IP1318		2.50	25/02/2015
10917621	IP1318		3.50	25/02/2015
10917658	IP1318		4.50	25/02/2015
10917941	IP1319		0.50	25/02/2015
10917945	IP1319		1.50	25/02/2015
10917951	IP1319		2.50	25/02/2015
10917957	IP1319		3.50	25/02/2015
10917962	IP1319		4.50	25/02/2015
10917895	IP1320		0.50	25/02/2015
10917904	IP1320		1.50	25/02/2015
10917909	IP1320		2.50	25/02/2015
10917914	IP1320		3.50	25/02/2015
10917922	IP1320		4.50	25/02/2015
10917062	IP1582		0.50	25/02/2015
10917032	IP1678		0.50	25/02/2015
10917043	IP1678		1.50	25/02/2015
10917001	IP1679		0.50	25/02/2015
10917019	IP1679		1.50	25/02/2015
10918254	IP1729		0.50	25/02/2015
10918261	IP1729		1.50	25/02/2015
10917375	IP1730		0.50	25/02/2015
10917337	IP1769		0.50	25/02/2015
10917353	IP1769		1.50	25/02/2015
10918268	IP1770		0.50	25/02/2015
10918273	IP1770		1.50	25/02/2015

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

10918280	IP1770	2.50	25/02/2015
10918232	IP1771	0.50	25/02/2015
10918236	IP1771	1.50	25/02/2015
10918241	IP1771	2.50	25/02/2015
10918249	IP1771	3.50	25/02/2015
10918194	IP1815	0.50	25/02/2015
10918203	IP1815	1.50	25/02/2015
10918208	IP1815	2.50	25/02/2015
10918225	IP1815	3.30	25/02/2015
10918177	IP1860	0.50	25/02/2015
10918182	IP1860	1.50	25/02/2015
10918187	IP1860	2.50	25/02/2015
10918084	IP1898	0.50	25/02/2015
10918095	IP1898	1.50	25/02/2015
10918100	IP1898	2.50	25/02/2015
10918104	IP1898	3.50	25/02/2015
10917307	IP1899	0.50	25/02/2015
10917218	IP1944	0.50	25/02/2015
10917235	IP1944	1.50	25/02/2015
10917250	IP1944	2.50	25/02/2015
10918073	IP1968	0.50	25/02/2015
10918079	IP1968	1.50	25/02/2015
10917168	IP2032	0.50	25/02/2015
10917183	IP2032	1.50	25/02/2015
10917200	IP2032	2.50	25/02/2015
10917152	IP2033	0.50	25/02/2015
10918165	IP2034	0.50	25/02/2015
10918171	IP2034	1.50	25/02/2015
10918153	IP2081	0.50	25/02/2015
10918160	IP2081	1.60	25/02/2015
10917133	IP2227	0.50	25/02/2015
10918131	IP2327	0.50	25/02/2015
10918137	IP2327	1.70	25/02/2015
10918109	IP2328	0.50	25/02/2015
10918117	IP2328	1.50	25/02/2015
10918123	IP2745	0.50	25/02/2015
10918127	IP2745	1.70	25/02/2015
10918002	TPE0423	1.00	25/02/2015
10918006	TPE0423	2.00	25/02/2015
10918012	TPE0423	3.00	25/02/2015
10918016	TPE0423	4.00	25/02/2015
10917844	TPE0578	0.50	25/02/2015
10917858	TPE0578	1.50	25/02/2015
10917868	TPE0578	2.50	25/02/2015
10917878	TPE0578	3.50	25/02/2015
10917885	TPE0578	4.50	25/02/2015
10917926	TPE0651	0.50	25/02/2015
10917931	TPE0651	1.50	25/02/2015
10917937	TPE0651	2.50	25/02/2015
10917794	TPE0651	3.50	25/02/2015
10917827	TPE0651	4.50	25/02/2015
10917969	TPE0674	0.50	25/02/2015
10917977	TPE0674	1.50	25/02/2015
10917983	TPE0674	2.50	25/02/2015
10917989	TPE0674	3.50	25/02/2015
10917997	TPE0674	4.50	25/02/2015
10917052	TPE0762	0.50	25/02/2015
10917324	TPE0847	0.50	25/02/2015
10918057	TPE853	0.50	25/02/2015

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

10918063	TPE853	1.50	25/02/2015
10918068	TPE853	2.50	25/02/2015
10917264	TPE0903	0.50	25/02/2015
10917279	TPE0903	1.50	25/02/2015
10917108	TPE0957	0.50	25/02/2015
10918142	TPE1079	0.50	25/02/2015
10917391	TPE1660	0.50	25/02/2015
10917407	TPE1660	1.50	25/02/2015
10917427	TPE1660	2.50	25/02/2015
10917448	TPE1661	0.50	25/02/2015
10917462	TPE1661	1.50	25/02/2015
10917073	TPE1691	0.50	25/02/2015
10917083	TPE1691	1.50	25/02/2015
10917094	TPE1691	2.50	25/02/2015
10917504	TPE1708	0.70	25/02/2015
10917523	TPE1708	1.70	25/02/2015

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

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

SOLID

Results Legend

- X — Test
- N — No Determination Possible

Lab Sample No(s)			10918021			10918026			10918035			10918041			10918048			10918052			10916977			10917639			10917815			10917918			10917973			10918030			10918090			10918146
Customer Sample Reference			IP0062			IP0062			IP0068			IP0068			IP0068			IP0068			IP1095			IP1095			IP1095			IP1096			IP1096			IP1096			IP1096			IP1203
AGS Reference																																										
Depth (m)			0.50			1.50			1.00			2.50			3.50			4.00			0.50			1.50			2.50			0.50			1.50			2.50			3.40			0.50
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)	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: 47		X						X													X									X											
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 131	X			X			X			X			X			X			X			X			X			X			X			X			X			X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 131	X			X			X			X			X			X			X			X			X			X			X			X			X			X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 131			X			X			X			X			X			X			X			X			X			X			X			X			X	
Metals in solid samples by OES	All	NDPs: 0 Tests: 131	X			X			X			X			X			X			X			X			X			X			X			X			X			X
PAH by GCMS	All	NDPs: 0 Tests: 127	X			X			X			X			X			X			X			X			X			X			X			X			X			X
pH	All	NDPs: 0 Tests: 131		X			X			X			X			X			X			X			X			X			X			X			X			X		
Sample description	All	NDPs: 0 Tests: 126	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Total Organic Carbon	All	NDPs: 0 Tests: 17							X												X																					X
TPH CWG GC (S)	All	NDPs: 0 Tests: 131	X			X			X			X			X			X			X			X			X			X			X			X			X			X

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

SOLID

Results Legend

- X Test
- N No Determination Possible

Lab Sample No(s)				10918146			10918217			10916986			10917120			10917291			10917485	10917544			10917672			10917686			10917706			10917721			10917740			10917754			10917768	10917778
Customer Sample Reference				IP1203			IP1203			IP1209			IP1209			IP1209			IP1209	IP1210			IP1210			IP1210			IP1210			IP1210			IP1312			IP1312			IP1312	IP1312
AGS Reference																																										
Depth (m)				0.50			1.50			0.50			1.50			2.50			3.50	0.50			1.50			2.60			3.40			4.40			0.50			1.50			2.50	3.50
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)	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)	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: 47	X						X											X														X								
Asbestos Quant. Detail Gravimetric	All	NDPs: 1 Tests: 12	X						X											N														X								
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 131			X			X			X			X			X			X	X			X			X			X			X			X			X			X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 131			X			X			X			X			X			X	X			X			X			X			X			X			X			X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 131		X			X			X			X			X			X	X			X			X			X			X			X			X			X	
Metals in solid samples by OES	All	NDPs: 0 Tests: 131			X			X			X			X			X			X	X			X			X			X			X			X			X			X
PAH by GCMS	All	NDPs: 0 Tests: 127			X			X			X			X			X			X	X			X			X			X			X			X			X			X
pH	All	NDPs: 0 Tests: 131	X			X			X			X			X			X		X		X			X			X			X			X			X			X		
Sample description	All	NDPs: 0 Tests: 126			X			X			X			X			X			X	X			X			X			X			X			X			X			X
Total Organic Carbon	All	NDPs: 0 Tests: 17																														X									
TPH CWG GC (S)	All	NDPs: 0 Tests: 131			X			X			X			X			X			X	X			X			X			X			X			X			X			X

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

SOLID

Results Legend

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

Lab Sample No(s)			10917778		10917559			10917577			10917589			10917605			10917621			10917658		
Customer Sample Reference			IP1312		IP1312			IP1318			IP1318			IP1318			IP1318			IP1318		
AGS Reference																						
Depth (m)			3.50		4.50			0.50			1.50			2.50			3.50			4.50		
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)
Asbestos fibres in Soil*	All	NDPs: 0 Tests: 47							X													
Asbestos Quant. Detail Gravimetric	All	NDPs: 1 Tests: 12																				
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 131			X			X			X			X			X			X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 131			X			X			X			X			X			X		
GRO by GC-FID (S)	All	NDPs: 0 Tests: 131		X			X			X			X			X			X			X
Metals in solid samples by OES	All	NDPs: 0 Tests: 131			X			X			X			X			X			X		
PAH by GCMS	All	NDPs: 0 Tests: 127			X			X			X			X			X			X		
pH	All	NDPs: 0 Tests: 131	X			X			X			X			X			X			X	
Sample description	All	NDPs: 0 Tests: 126			X			X			X			X			X			X		
Total Organic Carbon	All	NDPs: 0 Tests: 17												X								
TPH CWG GC (S)	All	NDPs: 0 Tests: 131			X			X			X			X			X			X		

Lab Sample No(s)			10917941			10917945			10917951			10917957			10917962			10917895			10917904	
Customer Sample Reference			IP1319			IP1319			IP1319			IP1319			IP1319			IP1320			IP1320	
AGS Reference																						
Depth (m)			0.50			1.50			2.50			3.50			4.50			0.50			1.50	
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)
Asbestos fibres in Soil*	All	NDPs: 0 Tests: 47		X															X			
Asbestos Quant. Detail Gravimetric	All	NDPs: 1 Tests: 12		X															X			
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 131	X			X			X			X			X			X			X	
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 131	X			X			X			X			X			X			X	
GRO by GC-FID (S)	All	NDPs: 0 Tests: 131			X			X			X			X			X			X		
Metals in solid samples by OES	All	NDPs: 0 Tests: 131	X			X			X			X			X			X			X	
PAH by GCMS	All	NDPs: 0 Tests: 127	X			X			X			X			X			X			X	
pH	All	NDPs: 0 Tests: 131		X			X			X			X			X			X			X
Sample description	All	NDPs: 0 Tests: 126	X			X			X			X			X			X			X	
Total Organic Carbon	All	NDPs: 0 Tests: 17	X															X				
TPH CWG GC (S)	All	NDPs: 0 Tests: 131	X			X			X			X			X			X			X	

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

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Results Legend

X Test

N No Determination Possible

Lab Sample No(s)			10917904			10917909			10917914			10917922			10917062			10917032		10917043			10917001			10917019			10918254			10918261			10917375			10917337			10917353	10918268
Customer Sample Reference			IP1320			IP1320			IP1320			IP1320			IP1582			IP1678		IP1678			IP1679			IP1679			IP1729			IP1729			IP1730			IP1769			IP1769	IP1770
AGS Reference																																										
Depth (m)			1.50			2.50			3.50			4.50			0.50			0.50		1.50			0.50			1.50			0.50			1.50			0.50			0.50			1.50	0.50
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)	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
Asbestos fibres in Soil*	All	NDPs: 0 Tests: 47												X			X					X						X						X			X					
Asbestos Quant. Detail Gravimetric	All	NDPs: 1 Tests: 12												X																												
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 131		X			X			X			X			X			X		X			X			X			X			X			X			X			X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 131		X			X			X			X			X			X		X			X			X			X			X			X			X			X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 131	X			X			X			X			X			X		X			X			X			X			X			X			X			X	
Metals in solid samples by OES	All	NDPs: 0 Tests: 131		X			X			X			X			X			X		X			X			X			X			X			X			X			X
PAH by GCMS	All	NDPs: 0 Tests: 127		X			X						X			X			X		X			X			X			X			X			X			X			X
pH	All	NDPs: 0 Tests: 131			X			X			X			X			X		X			X			X			X			X			X			X			X		
Sample description	All	NDPs: 0 Tests: 126					X						X			X			X		X			X			X			X			X			X			X			X
Total Organic Carbon	All	NDPs: 0 Tests: 17																			X															X						
TPH CWG GC (S)	All	NDPs: 0 Tests: 131		X			X			X			X			X			X		X			X			X			X			X			X			X			X

ALcontrol Laboratories

Validated

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

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Results Legend

- X — Test
- N — No Determination Possible

Lab Sample No(s)			10918268		10918273			10918280			10918232			10918236			10918241			10918249		
Customer Sample Reference			IP1770		IP1770			IP1770			IP1771			IP1771			IP1771			IP1771		
AGS Reference																						
Depth (m)			0.50		1.50			2.50			0.50			1.50			2.50			3.50		
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)
Asbestos fibres in Soil*	All	NDPs: 0 Tests: 47	X								X											
Asbestos Quant. Detail Gravimetric	All	NDPs: 1 Tests: 12																				
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 131			X			X			X			X			X			X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 131			X			X			X			X			X			X		
GRO by GC-FID (S)	All	NDPs: 0 Tests: 131		X			X			X			X			X			X			X
Metals in solid samples by OES	All	NDPs: 0 Tests: 131			X			X			X			X			X			X		
PAH by GCMS	All	NDPs: 0 Tests: 127			X			X			X			X			X			X		
pH	All	NDPs: 0 Tests: 131	X			X			X			X			X			X			X	
Sample description	All	NDPs: 0 Tests: 126			X			X			X			X			X			X		
Total Organic Carbon	All	NDPs: 0 Tests: 17									X											
TPH CWG GC (S)	All	NDPs: 0 Tests: 131			X			X			X			X			X			X		

Lab Sample No(s)			10918194			10918203			10918208			10918225			10918177			10918182			10918187	
Customer Sample Reference			IP1815			IP1815			IP1815			IP1815			IP1860			IP1860			IP1860	
AGS Reference																						
Depth (m)			0.50			1.50			2.50			3.30			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)
Asbestos fibres in Soil*	All	NDPs: 0 Tests: 47		X												X						
Asbestos Quant. Detail Gravimetric	All	NDPs: 1 Tests: 12														X						
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 131	X			X			X			X			X			X			X	
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 131	X			X			X			X			X			X			X	
GRO by GC-FID (S)	All	NDPs: 0 Tests: 131			X			X			X			X			X			X		
Metals in solid samples by OES	All	NDPs: 0 Tests: 131	X			X			X			X			X			X			X	
PAH by GCMS	All	NDPs: 0 Tests: 127	X			X			X			X			X			X			X	
pH	All	NDPs: 0 Tests: 131		X			X			X			X			X			X			X
Sample description	All	NDPs: 0 Tests: 126	X			X			X			X			X			X			X	
Total Organic Carbon	All	NDPs: 0 Tests: 17													X							
TPH CWG GC (S)	All	NDPs: 0 Tests: 131	X			X			X			X			X			X			X	

17:40:33 12/05/2015

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

SOLID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)	10918187	10918084	10918095	10918100	10918104	10917307	10917218	10917235	10917250	10918073	10918079	10917168	10917183	10917200
Customer Sample Reference	IP1860	IP1898	IP1898	IP1898	IP1898	IP1899	IP1944	IP1944	IP1944	IP1968	IP1968	IP2032	IP2032	IP2032
AGS Reference														
Depth (m)	2.50	0.50	1.50	2.50	3.50	0.50	0.50	1.50	2.50	0.50	1.50	0.50	1.50	2.50
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)	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: 47												
Asbestos Quant. Detail Gravimetric	All	NDPs: 1 Tests: 12												
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 131												
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 131												
GRO by GC-FID (S)	All	NDPs: 0 Tests: 131												
Metals in solid samples by OES	All	NDPs: 0 Tests: 131												
PAH by GCMS	All	NDPs: 0 Tests: 127												
pH	All	NDPs: 0 Tests: 131												
Sample description	All	NDPs: 0 Tests: 126												
Total Organic Carbon	All	NDPs: 0 Tests: 17												
TPH CWG GC (S)	All	NDPs: 0 Tests: 131												

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

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Results Legend

X Test

N No Determination Possible

Lab Sample No(s)			10917152			10918165			10918171			10918153			10918160			10917133			10918131			10918137			10918109			10918117			10918123			10918127			10918002			10918006
Customer Sample Reference			IP2033			IP2034			IP2034			IP2081			IP2081			IP2227			IP2327			IP2327			IP2328			IP2328			IP2745			IP2745			TPE0423			TPE0423
AGS Reference																																										
Depth (m)			0.50			0.50			1.50			0.50			1.60			0.50			0.50			1.70			0.50			1.50			0.50			1.70			1.00			2.00
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: 47		X			X						X						X			X						X						X						X		
Asbestos Quant. Detail Gravimetric	All	NDPs: 1 Tests: 12																										X												X		
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 131	X			X			X			X			X			X			X			X			X			X			X			X			X			X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 131	X			X			X			X			X			X			X			X			X			X			X			X			X			X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 131			X			X			X			X			X			X			X			X			X			X			X			X			X	
Metals in solid samples by OES	All	NDPs: 0 Tests: 131	X			X			X			X			X			X			X			X			X			X			X			X			X			X
PAH by GCMS	All	NDPs: 0 Tests: 127	X			X			X			X			X			X			X			X			X			X			X			X			X			X
pH	All	NDPs: 0 Tests: 131		X			X			X			X			X			X			X			X			X			X			X			X			X		
Sample description	All	NDPs: 0 Tests: 126	X			X			X			X			X			X			X			X			X			X			X						X			X
Total Organic Carbon	All	NDPs: 0 Tests: 17																			X																		X			
TPH CWG GC (S)	All	NDPs: 0 Tests: 131	X			X			X			X			X			X			X			X			X			X			X			X			X			X

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

SOLID

Results Legend

- X Test
- N No Determination Possible

Lab Sample No(s)			10918006		10918012			10918016			10917844			10917858			10917868			10917878			10917885			10917926			10917931			10917937			10917794			10917827			10917969	
Customer Sample Reference			TPE0423		TPE0423			TPE0423			TPE0578			TPE0578			TPE0578			TPE0578			TPE0578			TPE0651			TPE0651			TPE0651			TPE0651			TPE0651			TPE0674	
AGS Reference																																										
Depth (m)			2.00		3.00			4.00			0.50			1.50			2.50			3.50			4.50			0.50			1.50			2.50			3.50			4.50			0.50	
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 fibres in Soil*	All	NDPs: 0 Tests: 47										X																X															X
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 131			X			X			X			X			X			X			X			X			X			X			X			X			X	
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 131			X			X			X			X			X			X			X			X			X			X			X			X			X	
GRO by GC-FID (S)	All	NDPs: 0 Tests: 131		X			X			X			X			X			X			X			X			X			X			X			X			X		
Metals in solid samples by OES	All	NDPs: 0 Tests: 131			X			X			X			X			X			X			X			X			X			X			X			X			X	
PAH by GCMS	All	NDPs: 0 Tests: 127			X			X			X			X			X			X			X			X			X			X			X			X			X	
pH	All	NDPs: 0 Tests: 131	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Sample description	All	NDPs: 0 Tests: 126									X			X			X			X			X			X			X			X			X			X			X	
Total Organic Carbon	All	NDPs: 0 Tests: 17									X																															
TPH CWG GC (S)	All	NDPs: 0 Tests: 131			X			X			X			X			X			X			X			X			X			X			X			X			X	

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

SOLID

Results Legend

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

Lab Sample No(s)			10917969	10917977			10917983			10917989			10917997			10917052			10917324		
Customer Sample Reference			TPE0674	TPE0674			TPE0674			TPE0674			TPE0674			TPE0762			TPE0847		
AGS Reference																					
Depth (m)			0.50	1.50			2.50			3.50			4.50			0.50			0.50		
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)	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: 47															X			X	
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 131		X			X			X			X			X			X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 131		X			X			X			X			X			X		
GRO by GC-FID (S)	All	NDPs: 0 Tests: 131	X			X			X			X			X			X			X
Metals in solid samples by OES	All	NDPs: 0 Tests: 131		X			X			X			X			X			X		
PAH by GCMS	All	NDPs: 0 Tests: 127		X												X			X		
pH	All	NDPs: 0 Tests: 131			X			X			X			X			X			X	
Sample description	All	NDPs: 0 Tests: 126		X			X			X			X			X			X		
TPH CWG GC (S)	All	NDPs: 0 Tests: 131		X			X			X			X			X			X		

Lab Sample No(s)			10918057			10918063			10918068			10917264			10917279			10917108			10918142		
Customer Sample Reference			TPE853			TPE853			TPE853			TPE0903			TPE0903			TPE0957			TPE1079		
AGS Reference																							
Depth (m)			0.50			1.50			2.50			0.50			1.50			0.50			0.50		
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)
Asbestos fibres in Soil*	All	NDPs: 0 Tests: 47		X									X						X			X	
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 131	X			X			X			X			X			X			X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 131	X			X			X			X			X			X			X		
GRO by GC-FID (S)	All	NDPs: 0 Tests: 131			X			X			X			X			X			X			X
Metals in solid samples by OES	All	NDPs: 0 Tests: 131	X			X			X			X			X			X			X		
PAH by GCMS	All	NDPs: 0 Tests: 127	X			X			X			X			X			X			X		
pH	All	NDPs: 0 Tests: 131		X			X			X			X			X			X			X	
Sample description	All	NDPs: 0 Tests: 126	X			X			X			X			X			X			X		
TPH CWG GC (S)	All	NDPs: 0 Tests: 131	X			X			X			X			X			X			X		

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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
			10917391	TPE1660		0.50	250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			10917407	TPE1660		1.50	250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			10917427	TPE1660		2.50	250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			10917448	TPE1661		0.50	250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			10917462	TPE1661		1.50	250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			10917073	TPE1691		0.50	250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			10917083	TPE1691		1.50	250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			10917094	TPE1691		2.50	250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			10917504	TPE1708		0.70	250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			10917523	TPE1708		1.70	250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
Asbestos fibres in Soil*	All	NDPs: 0 Tests: 47					
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 131					
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 131					
GRO by GC-FID (S)	All	NDPs: 0 Tests: 131					
Metals in solid samples by OES	All	NDPs: 0 Tests: 131					
PAH by GCMS	All	NDPs: 0 Tests: 127					
pH	All	NDPs: 0 Tests: 131					
Sample description	All	NDPs: 0 Tests: 126					
Total Organic Carbon	All	NDPs: 0 Tests: 17					
TPH CWG GC (S)	All	NDPs: 0 Tests: 131					

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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
10918021	IP0062	0.50	Light Brown	Sandy Loam	0.1 - 2 mm	Stones	None
10918026	IP0062	1.50	Light Brown	Sandy Loam	0.1 - 2 mm	Stones	None
10918035	IP0068	1.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
10918041	IP0068	2.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
10918048	IP0068	3.50	Dark Brown	Clay Loam	0.063 - 0.1 mm	None	None
10918052	IP0068	4.00	Dark Brown	Clay Loam	0.063 - 0.1 mm	None	None
10916977	IP1095	0.50	Dark Brown	Stone/Soil	2 - 10 mm	Stones	None
10917639	IP1095	1.50	Black	N/A	0.1 - 2 mm	Stones	Vegetation
10917815	IP1095	2.50	Black	N/A	0.1 - 2 mm	Stones	Vegetation
10917918	IP1096	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
10917973	IP1096	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
10918030	IP1096	2.50	Black	N/A	0.1 - 2 mm	Stones	Vegetation
10918090	IP1096	3.40	Black	N/A	0.1 - 2 mm	Stones	Vegetation
10918146	IP1203	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Crushed Brick	Stones
10918217	IP1203	1.50	Black	N/A	0.1 - 2 mm	Stones	Vegetation
10916986	IP1209	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
10917120	IP1209	1.50	Black	N/A	0.1 - 2 mm	Stones	N/A
10917291	IP1209	2.50	Black	N/A	0.1 - 2 mm	Stones	N/A
10917485	IP1209	3.50	Black	N/A	0.1 - 2 mm	Stones	Vegetation
10917544	IP1210	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
10917672	IP1210	1.50	Black	N/A	0.1 - 2 mm	N/A	Stones
10917686	IP1210	2.60	Black	N/A	0.1 - 2 mm	Stones	N/A
10917706	IP1210	3.40	Black	Sand	0.1 - 2 mm	N/A	Stones
10917721	IP1210	4.40	Black	Sand	0.1 - 2 mm	N/A	Stones
10917559	IP1312	4.50	Black	N/A	0.1 - 2 mm	Stones	N/A
10917740	IP1312	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
10917754	IP1312	1.50	Black	N/A	0.1 - 2 mm	Stones	N/A
10917768	IP1312	2.50	Black	N/A	0.1 - 2 mm	N/A	Coal fragments
10917778	IP1312	3.50	Black	N/A	0.1 - 2 mm	Brick	Stones
10917577	IP1318	0.50	Black	N/A	0.1 - 2 mm	Stones	None
10917589	IP1318	1.50	Black	N/A	2 - 10 mm	Stones	Vegetation
10917605	IP1318	2.50	Black	N/A	0.1 - 2 mm	Stones	None
10917621	IP1318	3.50	Black	N/A	0.1 - 2 mm	Stones	N/A
10917658	IP1318	4.50	Black	N/A	0.1 - 2 mm	Stones	N/A
10917941	IP1319	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Vegetation	Stones
10917945	IP1319	1.50	Black	N/A	0.1 - 2 mm	Stones	Oil/Petroleum
10917951	IP1319	2.50	Black	N/A	0.1 - 2 mm	Stones	Vegetation
10917957	IP1319	3.50	Black	N/A	0.1 - 2 mm	Stones	Vegetation

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

			Colour	Description	Grain size	Inclusions	Inclusions 2
10917962	IP1319	4.50	Black	N/A	0.1 - 2 mm	Stones	Vegetation
10917895	IP1320	0.50	Dark Brown	Sand	0.1 - 2 mm	Coal fragments	Stones
10917904	IP1320	1.50	Black	N/A	0.1 - 2 mm	Stones	Vegetation
10917909	IP1320	2.50	Black	N/A	0.1 - 2 mm	Ash/Soot	N/A
10917914	IP1320	3.50	Black	N/A	0.1 - 2 mm	Stones	Vegetation
10917922	IP1320	4.50	Black	N/A	0.1 - 2 mm	Ash/Soot	N/A
10917062	IP1582	0.50	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	Vegetation
10917032	IP1678	0.50	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	Vegetation
10917043	IP1678	1.50	Light Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
10917001	IP1679	0.50	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	None
10917019	IP1679	1.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Oil/Petroleum
10918254	IP1729	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
10918261	IP1729	1.50	Dark Brown	Clay Loam	0.1 - 2 mm	Stones	Vegetation
10917375	IP1730	0.50	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	Crushed Brick
10917337	IP1769	0.50	Light Brown	Loamy Sand	0.1 - 2 mm	Fibres	Stones
10917353	IP1769	1.50	Light Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
10918268	IP1770	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
10918273	IP1770	1.50	Dark Brown	Clay Loam	0.063 - 0.1 mm	Stones	Vegetation
10918280	IP1770	2.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Oil/Petroleum
10918232	IP1771	0.50	Dark Brown	Clay Loam	0.063 - 0.1 mm	Vegetation	None
10918236	IP1771	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Oil/Petroleum
10918241	IP1771	2.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Oil/Petroleum
10918249	IP1771	3.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Oil/Petroleum
10918194	IP1815	0.50	Light Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
10918203	IP1815	1.50	Light Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
10918208	IP1815	2.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Oil/Petroleum	Stones
10918225	IP1815	3.30	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Oil/Petroleum
10918177	IP1860	0.50	Light Brown	Clay Loam	0.063 - 0.1 mm	Stones	Vegetation
10918182	IP1860	1.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
10918187	IP1860	2.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Oil/Petroleum	Stones
10918084	IP1898	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
10918095	IP1898	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Oil/Petroleum
10918100	IP1898	2.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Oil/Petroleum
10918104	IP1898	3.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Oil/Petroleum
10917307	IP1899	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Fibres
10917218	IP1944	0.50	Light Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
10917235	IP1944	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Oil/Petroleum
10917250	IP1944	2.50	Light Brown	Loamy Sand	0.1 - 2 mm	Oil/Petroleum	Stones
10918073	IP1968	0.50	Dark Brown	Sand	0.1 - 2 mm	Stones	None
10918079	IP1968	1.50	Grey	Sand	0.1 - 2 mm	Stones	Oil/Petroleum
10917168	IP2032	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

			Colour	Description	Grain size	Inclusions	Inclusions 2
10917183	IP2032	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
10917200	IP2032	2.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Oil/Petroleum	Stones
10917152	IP2033	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
10918165	IP2034	0.50	Light Brown	Loamy Sand	0.1 - 2 mm	Stones	None
10918171	IP2034	1.50	Dark Brown	Sand	0.1 - 2 mm	Stones	None
10918153	IP2081	0.50	Light Brown	Silty Clay Loam	0.1 - 2 mm	Stones	Vegetation
10918160	IP2081	1.60	Dark Brown	Sand	0.1 - 2 mm	Stones	None
10917133	IP2227	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
10918131	IP2327	0.50	Light Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
10918137	IP2327	1.70	Dark Brown	Sand	0.1 - 2 mm	Oil/Petroleum	Stones
10918109	IP2328	0.50	Dark Brown	Silty Clay	0.063 - 0.1 mm	Vegetation	Stones
10918117	IP2328	1.50	Light Brown	Loamy Sand	0.1 - 2 mm	Oil/Petroleum	Stones
10918123	IP2745	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
10918127	IP2745	1.70	Light Brown	Loamy Sand	0.1 - 2 mm	Stones	Oil/Petroleum
10918002	TPE0423	1.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
10918006	TPE0423	2.00	Light Brown	Sand	0.1 - 2 mm	Stones	Vegetation
10918012	TPE0423	3.00	Black	Loamy Sand	0.1 - 2 mm	None	Vegetation
10918016	TPE0423	4.00	Dark Brown	N/A	0.063 - 0.1 mm	None	None
10917844	TPE0578	0.50	Black	Sandy Loam	0.1 - 2 mm	Stones	Oil/Petroleum
10917858	TPE0578	1.50	Black	N/A	0.1 - 2 mm	Stones	Vegetation
10917868	TPE0578	2.50	Black	N/A	0.1 - 2 mm	Stones	N/A
10917878	TPE0578	3.50	Black	N/A	0.1 - 2 mm	Stones	N/A
10917885	TPE0578	4.50	Black	N/A	0.1 - 2 mm	Stones	N/A
10917794	TPE0651	3.50	Black	N/A	0.1 - 2 mm	Stones	Oil/Petroleum
10917827	TPE0651	4.50	Black	N/A	0.1 - 2 mm	Stones	Vegetation
10917926	TPE0651	0.50	Black	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
10917931	TPE0651	1.50	Black	N/A	0.1 - 2 mm	Brick	Stones
10917937	TPE0651	2.50	Black	N/A	<0.063 mm	Stones	Vegetation
10917969	TPE0674	0.50	Light Brown	Loamy Sand	0.1 - 2 mm	Stones	None
10917977	TPE0674	1.50	Dark Brown	N/A	0.1 - 2 mm	Fibres	Stones
10917983	TPE0674	2.50	Black	N/A	0.1 - 2 mm	Concrete/Aggregate	Stones
10917989	TPE0674	3.50	Black	N/A	0.1 - 2 mm	Brick	None
10917997	TPE0674	4.50	Black	N/A	0.1 - 2 mm	Brick	Stones
10917052	TPE0762	0.50	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	Vegetation
10917324	TPE0847	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Fibres	Stones
10918057	TPE853	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
10918063	TPE853	1.50	Light Brown	Sandy Loam	0.1 - 2 mm	Stones	None
10918068	TPE853	2.50	Light Brown	Loamy Sand	0.1 - 2 mm	Stones	Oil/Petroleum
10917264	TPE0903	0.50	Light Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
10917279	TPE0903	1.50	Light Brown	Clay Loam	0.1 - 2 mm	Stones	Vegetation
10917108	TPE0957	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

			Colour	Description	Grain size	Inclusions	Inclusions 2
10918142	TPE1079	0.50	Light Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
10917391	TPE1660	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
10917407	TPE1660	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
10917427	TPE1660	2.50	Light Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
10917448	TPE1661	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
10917462	TPE1661	1.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
10917073	TPE1691	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
10917083	TPE1691	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
10917094	TPE1691	2.50	Light Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	Vegetation
10917504	TPE1708	0.70	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
10917523	TPE1708	1.70	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:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	IP0062	IP0062	IP0068	IP0068	IP0068	IP0068
			Depth (m)	0.50	1.50	1.00	2.50	3.50	4.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10918021	10918026	10918035	10918041	10918048	10918052
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		17	15	13	13	14	13
Actinolite*	-	SUB (ASB)		Not Detected #		Not Detected #			
Amosite*	-	SUB (ASB)		Not Detected #		Not Detected #			
Anthophyllite*	-	SUB (ASB)		Not Detected #		Not Detected #			
Chrysotile*	-	SUB (ASB)		Not Detected #		Not 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				2.79 #			
pH	1 pH Units	TM133		7.76 M	7.17 M	7.89 M	7.71 M	5.6 M	5.17 M
Arsenic	<0.6 mg/kg	TM181		23.9 M	10.9 M	16 M	27.6 M	7.43 M	4.76 M
Cadmium	<0.02 mg/kg	TM181		1.44 M	0.742 M	0.834 M	0.472 M	1.22 M	0.558 M
Chromium	<0.9 mg/kg	TM181		13.5 M	13.9 M	15.4 M	16.8 M	12.1 M	9.46 M
Copper	<1.4 mg/kg	TM181		46.2 M	21.4 M	45.7 M	53.4 M	25.5 M	28.8 M
Lead	<0.7 mg/kg	TM181		19.5 M	18.6 M	55.7 M	55.4 M	18.5 M	12.3 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	0.27 M	<0.14 M	<1.4 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		17.9 M	24.3 M	28.8 M	27 M	22.3 M	23.2 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<10 #	<1 #
Vanadium	<0.2 mg/kg	TM181		17.6 #	15.7 #	16.7 #	18.3 #	14.7 #	12.1 #
Zinc	<1.9 mg/kg	TM181		123 M	77.9 M	159 M	202 M	86.9 M	82.5 M

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	IP1095	IP1095	IP1095	IP1096	IP1096	IP1096
			Depth (m)	0.50	1.50	2.50	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10916977	10917639	10917815	10917918	10917973	10918030
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		7.7	27	30	14	14	21
Actinolite*	-	SUB (ASB)		Not Detected #			Not Detected #		
Amosite*	-	SUB (ASB)		Not Detected #			Not Detected #		
Anthophyllite*	-	SUB (ASB)		Not Detected #			Not Detected #		
Chrysotile*	-	SUB (ASB)		Not Detected #			Not 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		3.41 #					
pH	1 pH Units	TM133		8.17 #	8.17	8.05	8.07 M	8.18 M	8.69
Arsenic	<0.6 mg/kg	TM181		10.7 #	143	43.2	29.2 M	15.6 M	36
Cadmium	<0.02 mg/kg	TM181		0.993 #	0.518	0.582	1.67 M	0.444 M	0.307
Chromium	<0.9 mg/kg	TM181		17.2 #	13.3	15.9	22.6 M	9.93 M	16.2
Copper	<1.4 mg/kg	TM181		96.2 #	52.6	108	99 M	87.6 M	124
Lead	<0.7 mg/kg	TM181		39.5 #	22	66.4	175 M	39.1 M	99.5
Mercury	<0.14 mg/kg	TM181		<0.14 #	<0.14	<0.14	<1.4 M	0.675 M	0.425
Nickel	<0.2 mg/kg	TM181		42.7 #	40.9	43.5	42.9 M	20.4 M	40.5
Selenium	<1 mg/kg	TM181		<1 #	<1	<1	<10 #	<1 #	<1
Vanadium	<0.2 mg/kg	TM181		16.8 #	42.1	41.9	22.1 #	14.7 #	33.9
Zinc	<1.9 mg/kg	TM181		181 #	55.8	104	445 M	154 M	217

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	IP1096	IP1203	IP1203	IP1209	IP1209	IP1209
			Depth (m)	3.40	0.50	1.50	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10918090	10918146	10918217	10916986	10917120	10917291
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		28	4.6	26	10	18	21
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			5.1 #				
pH	1 pH Units	TM133		7.73	8.45 M	8.04	8.68 M	6.64	8.31
Arsenic	<0.6 mg/kg	TM181		45.1	13.5 M	17.2	125 M	23.3	29.8
Cadmium	<0.02 mg/kg	TM181		<0.02	2.78 M	<0.02	2.37 M	0.44	0.646
Chromium	<0.9 mg/kg	TM181		16.9	22.3 M	11.7	18.4 M	15.1	20.2
Copper	<1.4 mg/kg	TM181		62.6	242 M	79.3	139 M	45.8	72.8
Lead	<0.7 mg/kg	TM181		32.9	73.1 M	11.2	833 M	16.3	57.2
Mercury	<0.14 mg/kg	TM181		0.263	<0.14 M	<0.14	<0.14 M	<0.14	<0.14
Nickel	<0.2 mg/kg	TM181		42.5	56 M	45.7	37.9 M	33.8	42.4
Selenium	<1 mg/kg	TM181		<1	<1 #	<1	<1 #	<1	<1
Vanadium	<0.2 mg/kg	TM181		50.9	17.3 #	47.6	17.9 #	41.6	50.1
Zinc	<1.9 mg/kg	TM181		52	228 M	48.4	2590 M	42.6	81.1

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	IP1209	IP1210	IP1210	IP1210	IP1210	IP1210
			Depth (m)	3.50	0.50	1.50	2.60	3.40	4.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10917485	10917544	10917672	10917686	10917706	10917721
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		22	7.7	18	19	21	24
Actinolite*	-	SUB (ASB)			Not Detected #				
Amosite*	-	SUB (ASB)			Not Detected #				
Anthophyllite*	-	SUB (ASB)			Not Detected #				
Chrysotile*	-	SUB (ASB)			Detected #				
Crocidolite*	-	SUB (ASB)			Not Detected #				
Tremolite*	-	SUB (ASB)			Not Detected #				
Non-Asbestos Fibres Detected	-	SUB (ASB)			Not Detected #				
pH	1 pH Units	TM133		6.91	8.27 M	7.43	6.04	6.06 M	6.37 M
Arsenic	<0.6 mg/kg	TM181		24.2	38.1 M	21.4	49.1	34.8 M	62.9 M
Cadmium	<0.02 mg/kg	TM181		0.405	1.65 M	0.899	0.395	0.501 M	0.407 M
Chromium	<0.9 mg/kg	TM181		14.3	23.2 M	11.8	10.8	12.3 M	16 M
Copper	<1.4 mg/kg	TM181		48.2	167 M	76.5	50.5	50.7 M	60.3 M
Lead	<0.7 mg/kg	TM181		16.4	307 M	39	19.5	13.1 M	14.3 M
Mercury	<0.14 mg/kg	TM181		<0.14	0.597 M	<0.14	<0.14	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		31	34.4 M	33.7	31.1	36.3 M	46.3 M
Selenium	<1 mg/kg	TM181		<1	<1 #	<1	<1	1.11 #	<1 #
Vanadium	<0.2 mg/kg	TM181		36.4	27.5 #	21.5	31	34.3 #	53.3 #
Zinc	<1.9 mg/kg	TM181		36.3	842 M	184	32.3	49.6 M	22.2 M

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	IP1312	IP1312	IP1312	IP1312	IP1312	IP1318
			Depth (m)	0.50	1.50	2.50	3.50	4.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10917740	10917754	10917768	10917778	10917559	10917577
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		15	19	18	18	20	24
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 #					Not 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		7.21 #					
pH	1 pH Units	TM133		9.14 M	7.83	6.38	5.84 M	6.91	7.15
Arsenic	<0.6 mg/kg	TM181		20.5 M	27.5	15.9	28.8 M	25.4	57.5
Cadmium	<0.02 mg/kg	TM181		2.03 M	0.431	0.341	0.33 M	0.429	0.504
Chromium	<0.9 mg/kg	TM181		55.9 M	10.7	12.5	5.47 M	11.6	8.98
Copper	<1.4 mg/kg	TM181		167 M	44.5	36.8	34 M	93.2	43.4
Lead	<0.7 mg/kg	TM181		1210 M	21.4	8.98	12.8 M	18.9	10.5
Mercury	<0.14 mg/kg	TM181		0.622 M	<0.14	<0.14	<0.14 M	<0.14	<0.14
Nickel	<0.2 mg/kg	TM181		44.7 M	31	26.2	16 M	28.6	23.8
Selenium	<1 mg/kg	TM181		<1 #	<1	1.11	1.3 #	<1	2
Vanadium	<0.2 mg/kg	TM181		48.9 #	32.2	31	13.1 #	28.2	26.2
Zinc	<1.9 mg/kg	TM181		2210 M	126	25.9	30.4 M	65.4	23

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	IP1318	IP1318	IP1318	IP1318	IP1319	IP1319
			Depth (m)	1.50	2.50	3.50	4.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10917589	10917605	10917621	10917658	10917941	10917945
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		26	23	28	23	18	18
Actinolite*	-	SUB (ASB)						Not Detected #	
Amosite*	-	SUB (ASB)						Not Detected #	
Anthophyllite*	-	SUB (ASB)						Not Detected #	
Chrysotile*	-	SUB (ASB)						Detected #	
Crocidolite*	-	SUB (ASB)						Not Detected #	
Tremolite*	-	SUB (ASB)						Not Detected #	
Non-Asbestos Fibres Detected	-	SUB (ASB)						Not Detected #	
Soil Organic Matter (SOM)	<0.35 %	TM132			65			11.7 #	
pH	1 pH Units	TM133		8.36	6.72	7.47	7.43	8.73 M	7.45
Arsenic	<0.6 mg/kg	TM181		25	25.2	38.9	22.4	13.8 M	32
Cadmium	<0.02 mg/kg	TM181		0.604	0.382	0.473	1.4	1.04 M	0.839
Chromium	<0.9 mg/kg	TM181		16.8	15.8	16	45.4	32.8 M	20.8
Copper	<1.4 mg/kg	TM181		58.6	55.7	54.7	86.9	58.9 M	102
Lead	<0.7 mg/kg	TM181		1210	11.8	13.2	254	778 M	423
Mercury	<0.14 mg/kg	TM181		<0.14	<0.14	<0.14	0.824	0.427 M	0.431
Nickel	<0.2 mg/kg	TM181		29	35.2	33.4	48.9	28.8 M	43.3
Selenium	<1 mg/kg	TM181		1.03	<1	1.18	<1	<1 #	<1
Vanadium	<0.2 mg/kg	TM181		36.5	41.9	36.5	197	30.5 #	84.6
Zinc	<1.9 mg/kg	TM181		150	26.3	27	815	1740 M	1350

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	IP1319	IP1319	IP1319	IP1320	IP1320	IP1320
			Depth (m)	2.50	3.50	4.50	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10917951	10917957	10917962	10917895	10917904	10917909
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		24	26	20	12	16	17
Actinolite*	-	SUB (ASB)					Not Detected #		
Amosite*	-	SUB (ASB)					Not Detected #		
Anthophyllite*	-	SUB (ASB)					Not Detected #		
Chrysotile*	-	SUB (ASB)					Detected #		
Crocidolite*	-	SUB (ASB)					Not Detected #		
Tremolite*	-	SUB (ASB)					Not Detected #		
Non-Asbestos Fibres Detected	-	SUB (ASB)					Not Detected #		
Soil Organic Matter (SOM)	<0.35 %	TM132					29.5 #		
pH	1 pH Units	TM133		5.96	5.16	5.54	11 M	7.35	5.68
Arsenic	<0.6 mg/kg	TM181		28.3	29.6	32.5	42.8 M	30.5	50.7
Cadmium	<0.02 mg/kg	TM181		<0.02	<0.02	<0.02	2.05 M	0.732	0.358
Chromium	<0.9 mg/kg	TM181		7.49	7.91	13.4	13.8 M	13.9	11.3
Copper	<1.4 mg/kg	TM181		43.7	46.4	63.5	130 M	61	54.6
Lead	<0.7 mg/kg	TM181		13.2	11.2	101	998 M	176	40.5
Mercury	<0.14 mg/kg	TM181		<0.14	<0.14	<0.14	0.361 M	0.377	0.227
Nickel	<0.2 mg/kg	TM181		24.4	22.8	63.7	31 M	30.9	22
Selenium	<1 mg/kg	TM181		1.31	1.48	<1	<1 #	1.02	1.59
Vanadium	<0.2 mg/kg	TM181		26.8	22.9	27.9	26.6 #	41.1	36.6
Zinc	<1.9 mg/kg	TM181		30.4	19.4	197	3600 M	595	42.3

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	IP1320	IP1320	IP1582	IP1678	IP1678	IP1679
			Depth (m)	3.50	4.50	0.50	0.50	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10917914	10917922	10917062	10917032	10917043	10917001
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		20	18	16	20	11	12
Actinolite*	-	SUB (ASB)				Not Detected #	Not Detected #		Not Detected #
Amosite*	-	SUB (ASB)				Not Detected #	Not Detected #		Not Detected #
Anthophyllite*	-	SUB (ASB)				Not Detected #	Not Detected #		Not Detected #
Chrysotile*	-	SUB (ASB)				Detected #	Not Detected #		Not Detected #
Crocidolite*	-	SUB (ASB)				Not Detected #	Not Detected #		Not Detected #
Tremolite*	-	SUB (ASB)				Not Detected #	Not Detected #		Not Detected #
Non-Asbestos Fibres Detected	-	SUB (ASB)				Not Detected #	Not Detected #		Not Detected #
Soil Organic Matter (SOM)	<0.35 %	TM132							1.24 #
pH	1 pH Units	TM133		7.07	5.77	6.02 M	7.75 M	5.94 M	6.98 M
Arsenic	<0.6 mg/kg	TM181		45.7	30.1	21.6 M	12.8 M	11.2 M	11.1 M
Cadmium	<0.02 mg/kg	TM181		1.42	0.526	1.78 M	0.556 M	2.67 M	0.574 M
Chromium	<0.9 mg/kg	TM181		9.5	14	16.1 M	22.3 M	16.2 M	16.9 M
Copper	<1.4 mg/kg	TM181		60.9	45.1	59.3 M	19.6 M	21.1 M	23.1 M
Lead	<0.7 mg/kg	TM181		106	16.4	70.9 M	20.2 M	39.1 M	20.3 M
Mercury	<0.14 mg/kg	TM181		0.42	0.203	0.585 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		40.6	43.7	26.7 M	24.3 M	34.6 M	22.8 M
Selenium	<1 mg/kg	TM181		1.67	<1	<1 #	<1 #	<10 #	<1 #
Vanadium	<0.2 mg/kg	TM181		26.8	36.1	22.3 #	27.9 #	19.2 #	20.5 #
Zinc	<1.9 mg/kg	TM181		989	247	159 M	88.6 M	148 M	72.4 M

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	IP1679	IP1729	IP1729	IP1730	IP1769	IP1769
			Depth (m)	1.50	0.50	1.50	0.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10917019	10918254	10918261	10917375	10917337	10917353
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		10	18	10	11	16	17
Actinolite*	-	SUB (ASB)			Not Detected #		Not Detected #	Not Detected #	
Amosite*	-	SUB (ASB)			Not Detected #		Not Detected #	Not Detected #	
Anthophyllite*	-	SUB (ASB)			Not Detected #		Not Detected #	Not Detected #	
Chrysotile*	-	SUB (ASB)			Not Detected #		Not Detected #	Not Detected #	
Crocidolite*	-	SUB (ASB)			Not Detected #		Not Detected #	Not Detected #	
Tremolite*	-	SUB (ASB)			Not Detected #		Not Detected #	Not Detected #	
Non-Asbestos Fibres Detected	-	SUB (ASB)			Not Detected #		Not Detected #	Not Detected #	
Soil Organic Matter (SOM)	<0.35 %	TM132						2.02 #	
pH	1 pH Units	TM133		6.56 M	7.35 M	6.79 M	5.83 M	6.15 M	6.13 M
Arsenic	<0.6 mg/kg	TM181		9.04 M	11.6 M	8.14 M	8.91 M	15.2 M	20.5 M
Cadmium	<0.02 mg/kg	TM181		0.447 M	0.49 M	<0.02 M	<0.02 M	1.27 M	1.01 M
Chromium	<0.9 mg/kg	TM181		13.3 M	16.8 M	12.4 M	11.3 M	15.9 M	15.7 M
Copper	<1.4 mg/kg	TM181		17.1 M	16.5 M	13.5 M	13.1 M	39.1 M	41.9 M
Lead	<0.7 mg/kg	TM181		15.4 M	20.1 M	12.4 M	13.1 M	34.5 M	44.7 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		23.4 M	15.1 M	23.3 M	21.4 M	20.3 M	23.1 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		14 #	22.7 #	13 #	12.8 #	19.3 #	19 #
Zinc	<1.9 mg/kg	TM181		64.3 M	56.7 M	62.8 M	61.7 M	159 M	135 M

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	IP1770	IP1770	IP1770	IP1771	IP1771	IP1771
			Depth (m)	0.50	1.50	2.50	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10918268	10918273	10918280	10918232	10918236	10918241
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		14	12	11	19	11	11
Actinolite*	-	SUB (ASB)		Not Detected #			Not Detected #		
Amosite*	-	SUB (ASB)		Not Detected #			Not Detected #		
Anthophyllite*	-	SUB (ASB)		Not Detected #			Not Detected #		
Chrysotile*	-	SUB (ASB)		Not Detected #			Not 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					1.37 #		
pH	1 pH Units	TM133		6.88 M	6.76 M	6.7 M	6.18 M	6.4 M	7.14 M
Arsenic	<0.6 mg/kg	TM181		16.5 M	15.3 M	8.07 M	12.5 M	8.72 M	7.82 M
Cadmium	<0.02 mg/kg	TM181		<0.02 M	0.718 M	0.497 M	0.497 M	0.551 M	0.51 M
Chromium	<0.9 mg/kg	TM181		17.8 M	14 M	11.6 M	18.9 M	12.2 M	11.4 M
Copper	<1.4 mg/kg	TM181		30.7 M	33.5 M	15.1 M	16.9 M	18 M	13 M
Lead	<0.7 mg/kg	TM181		22.3 M	28.2 M	13.3 M	18 M	13.4 M	12.2 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		22.3 M	22 M	26 M	10.8 M	21.6 M	26.1 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	1.52 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		22.1 #	16.9 #	12.5 #	25.5 #	13.3 #	11.9 #
Zinc	<1.9 mg/kg	TM181		80.1 M	90.6 M	65 M	46.2 M	62.7 M	62.3 M

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	IP1771	IP1815	IP1815	IP1815	IP1815	IP1860
			Depth (m)	3.50	0.50	1.50	2.50	3.30	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10918249	10918194	10918203	10918208	10918225	10918177
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		7.7	20	11	10	12	16
Actinolite*	-	SUB (ASB)			Not Detected #				Not Detected #
Amosite*	-	SUB (ASB)			Not Detected #				Not Detected #
Anthophyllite*	-	SUB (ASB)			Not Detected #				Not Detected #
Chrysotile*	-	SUB (ASB)			Not 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							2.74 #
pH	1 pH Units	TM133		7.04 M	6.64 M	5.75 M	6.54 M	7.02 M	7.37 M
Arsenic	<0.6 mg/kg	TM181		6.41 M	12.5 M	8.78 M	8.2 M	9.31 M	11.6 M
Cadmium	<0.02 mg/kg	TM181		<0.02 M	<0.02 M	0.639 M	0.482 M	<0.02 M	0.622 M
Chromium	<0.9 mg/kg	TM181		11.5 M	19.6 M	14.3 M	11.4 M	11.9 M	16.5 M
Copper	<1.4 mg/kg	TM181		8.81 M	20.1 M	15.6 M	15 M	15.9 M	18.9 M
Lead	<0.7 mg/kg	TM181		10.4 M	19.9 M	14.1 M	12.1 M	16.6 M	17.1 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		26.1 M	21 M	25.3 M	26.1 M	25.9 M	19.7 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		10.8 #	24.3 #	14.2 #	12.8 #	12.5 #	22 #
Zinc	<1.9 mg/kg	TM181		58.4 M	68.2 M	68.9 M	66.2 M	70.1 M	67.5 M

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	IP1860	IP1860	IP1898	IP1898	IP1898	IP1898
			Depth (m)	1.50	2.50	0.50	1.50	2.50	3.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10918182	10918187	10918084	10918095	10918100	10918104
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		11	9.5	15	11	12	12
Actinolite*	-	SUB (ASB)				Not Detected #			
Amosite*	-	SUB (ASB)				Not Detected #			
Anthophyllite*	-	SUB (ASB)				Not Detected #			
Chrysotile*	-	SUB (ASB)				Detected #			
Crocidolite*	-	SUB (ASB)				Not Detected #			
Tremolite*	-	SUB (ASB)				Not Detected #			
Non-Asbestos Fibres Detected	-	SUB (ASB)				Not Detected #			
Soil Organic Matter (SOM)	<0.35 %	TM132				1.93 #			
pH	1 pH Units	TM133		6.92 M	6.86 M	8.25 M	6.5 M	6.95 M	6.73 M
Arsenic	<0.6 mg/kg	TM181		10.3 M	10.2 M	21.8 M	10.6 M	7.03 M	8.18 M
Cadmium	<0.02 mg/kg	TM181		0.489 M	0.581 M	<0.02 M	<0.02 M	<0.02 M	<0.02 M
Chromium	<0.9 mg/kg	TM181		14.1 M	14.8 M	14.1 M	11.7 M	12 M	14.6 M
Copper	<1.4 mg/kg	TM181		20.6 M	12.4 M	31.9 M	17.2 M	11.7 M	18.9 M
Lead	<0.7 mg/kg	TM181		16.3 M	12 M	32.2 M	13.5 M	11.8 M	15.6 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		27.1 M	29.7 M	14.7 M	25.1 M	26.4 M	31.9 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		16.9 #	18 #	17.6 #	13.1 #	10.1 #	14.1 #
Zinc	<1.9 mg/kg	TM181		72.8 M	69.9 M	91.6 M	70.6 M	62.9 M	80.4 M

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	IP1899	IP1944	IP1944	IP1944	IP1968	IP1968
			Depth (m)	0.50	0.50	1.50	2.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10917307	10917218	10917235	10917250	10918073	10918079
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		23	17	12	9.8	13	12
Actinolite*	-	SUB (ASB)		Not Detected #	Not Detected #			Not Detected #	
Amosite*	-	SUB (ASB)		Not Detected #	Not Detected #			Not Detected #	
Anthophyllite*	-	SUB (ASB)		Not Detected #	Not Detected #			Not Detected #	
Chrysotile*	-	SUB (ASB)		Detected #	Not Detected #			Not Detected #	
Crocidolite*	-	SUB (ASB)		Not Detected #	Not Detected #			Not Detected #	
Tremolite*	-	SUB (ASB)		Not Detected #	Not Detected #			Not Detected #	
Non-Asbestos Fibres Detected	-	SUB (ASB)		Not Detected #	Not Detected #			Not Detected #	
pH	1 pH Units	TM133		7.52 M	6.74 M	6.11 M	6.27 M	7.53 M	5.78 M
Arsenic	<0.6 mg/kg	TM181		77.1 M	11.4 M	9.82 M	8.74 M	7.5 M	6.05 M
Cadmium	<0.02 mg/kg	TM181		2.32 M	0.713 M	0.531 M	0.531 M	0.489 M	0.658 M
Chromium	<0.9 mg/kg	TM181		22.9 M	18.7 M	12.5 M	12.7 M	12.6 M	11.8 M
Copper	<1.4 mg/kg	TM181		186 M	28.4 M	17.1 M	14.5 M	13.3 M	11.5 M
Lead	<0.7 mg/kg	TM181		496 M	28 M	15.7 M	14.3 M	14.1 M	12.3 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		41.8 M	18.3 M	26.8 M	27.3 M	18.3 M	24.2 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		27.1 #	23.1 #	13.9 #	14.9 #	12.8 #	11.4 #
Zinc	<1.9 mg/kg	TM181		893 M	131 M	94.3 M	78.7 M	53.1 M	61.2 M

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	IP2032	IP2032	IP2032	IP2033	IP2034	IP2034
			Depth (m)	0.50	1.50	2.50	0.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10917168	10917183	10917200	10917152	10918165	10918171
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		20	11	11	23	8.9	10
Actinolite*	-	SUB (ASB)		Not Detected #			Not Detected #	Not Detected #	
Amosite*	-	SUB (ASB)		Not Detected #			Not Detected #	Not Detected #	
Anthophyllite*	-	SUB (ASB)		Not Detected #			Not Detected #	Not Detected #	
Chrysotile*	-	SUB (ASB)		Detected #			Not Detected #	Not Detected #	
Crocidolite*	-	SUB (ASB)		Not Detected #			Not Detected #	Not Detected #	
Tremolite*	-	SUB (ASB)		Not Detected #			Not Detected #	Not Detected #	
Non-Asbestos Fibres Detected	-	SUB (ASB)		Not Detected #			Not Detected #	Not Detected #	
pH	1 pH Units	TM133		8.14 M	6.11 M	5.89 M	8.21 M	7.43 M	7.17 M
Arsenic	<0.6 mg/kg	TM181		39.6 M	7.84 M	8.76 M	58 M	<6 M	6.27 M
Cadmium	<0.02 mg/kg	TM181		1.69 M	0.488 M	0.536 M	4.43 M	1.39 M	0.49 M
Chromium	<0.9 mg/kg	TM181		15.5 M	15.4 M	17 M	19.5 M	14.2 M	10.2 M
Copper	<1.4 mg/kg	TM181		109 M	24.6 M	34.4 M	258 M	<14 M	11.2 M
Lead	<0.7 mg/kg	TM181		144 M	20.4 M	21.7 M	404 M	12.4 M	10.1 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	1.19 M	<1.4 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		23.6 M	35.8 M	34.5 M	28.1 M	28.3 M	21.7 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<10 #	<1 #
Vanadium	<0.2 mg/kg	TM181		18.8 #	14.8 #	15.6 #	20.8 #	11.8 #	10.2 #
Zinc	<1.9 mg/kg	TM181		364 M	79.9 M	85.1 M	7200 M	59 M	53.8 M

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	IP2081	IP2081	IP2227	IP2327	IP2327	IP2328
			Depth (m)	0.50	1.60	0.50	0.50	1.70	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10918153	10918160	10917133	10918131	10918137	10918109
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		15	11	13	11	10	13
Actinolite*	-	SUB (ASB)		Not Detected #		Not Detected #	Not Detected #		Not Detected #
Amosite*	-	SUB (ASB)		Not Detected #		Not Detected #	Not Detected #		Detected #
Anthophyllite*	-	SUB (ASB)		Not Detected #		Not Detected #	Not Detected #		Not Detected #
Chrysotile*	-	SUB (ASB)		Not Detected #		Not Detected #	Not Detected #		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 #
Soil Organic Matter (SOM)	<0.35 %	TM132					1.68 #		
pH	1 pH Units	TM133		7.23 M	7.33 M	6.88 M	7.45 M	6.48 M	8.31 M
Arsenic	<0.6 mg/kg	TM181		14.8 M	7.35 M	13.4 M	9.61 M	7.17 M	20.8 M
Cadmium	<0.02 mg/kg	TM181		0.0641 M	0.511 M	<0.02 M	<0.02 M	0.525 M	1.03 M
Chromium	<0.9 mg/kg	TM181		15 M	10.5 M	13.5 M	11.7 M	11.2 M	13.9 M
Copper	<1.4 mg/kg	TM181		29.9 M	12.4 M	30.2 M	15.2 M	12.4 M	39.6 M
Lead	<0.7 mg/kg	TM181		19.4 M	11.2 M	30.5 M	25.4 M	11.2 M	94.9 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		20.4 M	22.5 M	21.6 M	21.1 M	19.7 M	25.2 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		17.8 #	11 #	16.1 #	11.5 #	11.6 #	16.1 #
Zinc	<1.9 mg/kg	TM181		74.2 M	56.3 M	95.2 M	69.8 M	53.1 M	169 M

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	IP2328	IP2745	IP2745	TPE0423	TPE0423	TPE0423
			Depth (m)	1.50	0.50	1.70	1.00	2.00	3.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10918117	10918123	10918127	10918002	10918006	10918012
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		11	11	11	13	8.7	71
Actinolite*	-	SUB (ASB)			Not Detected #		Not Detected #		
Amosite*	-	SUB (ASB)			Not Detected #		Detected #		
Anthophyllite*	-	SUB (ASB)			Not Detected #		Not Detected #		
Chrysotile*	-	SUB (ASB)			Not 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					1.56 #		
pH	1 pH Units	TM133		6.7 M	6.7 M	6.89 M	8.71 M	7.38 M	5.58 M
Arsenic	<0.6 mg/kg	TM181		8.74 M	9.99 M	8.05 M	95.1 M	14.9 M	46.5 M
Cadmium	<0.02 mg/kg	TM181		0.618 M	<0.02 M	0.575 M	1.41 M	0.863 M	0.685 M
Chromium	<0.9 mg/kg	TM181		11.9 M	14.1 M	11.7 M	19.1 M	14.4 M	7.45 M
Copper	<1.4 mg/kg	TM181		14.1 M	19.3 M	14.7 M	552 M	49.7 M	18.4 M
Lead	<0.7 mg/kg	TM181		13.5 M	26.1 M	12.6 M	204 M	47.3 M	11.2 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	2.15 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		22.8 M	23 M	23 M	39.6 M	24.3 M	30.6 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	3.78 #
Vanadium	<0.2 mg/kg	TM181		12 #	14.3 #	13 #	27.9 #	17.2 #	6.28 #
Zinc	<1.9 mg/kg	TM181		62.4 M	79.9 M	64.9 M	616 M	163 M	46.3 M

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	TPE0423	TPE0578	TPE0578	TPE0578	TPE0578	TPE0578
			Depth (m)	4.00	0.50	1.50	2.50	3.50	4.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10918016	10917844	10917858	10917868	10917878	10917885
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		40	23	22	24	18	24
Actinolite*	-	SUB (ASB)			Not Detected #				
Amosite*	-	SUB (ASB)			Not Detected #				
Anthophyllite*	-	SUB (ASB)			Not Detected #				
Chrysotile*	-	SUB (ASB)			Not Detected #				
Crocidolite*	-	SUB (ASB)			Not Detected #				
Tremolite*	-	SUB (ASB)			Not Detected #				
Non-Asbestos Fibres Detected	-	SUB (ASB)			Not Detected #				
Soil Organic Matter (SOM)	<0.35 %	TM132			65.5 #				
pH	1 pH Units	TM133		6.52	5.45 M	7.89	7.36	6.32	6.42
Arsenic	<0.6 mg/kg	TM181		26.6	26.7 M	30.4	29.3	38.4	40.9
Cadmium	<0.02 mg/kg	TM181		1.04	0.915 M	1.04	0.506	0.346	0.547
Chromium	<0.9 mg/kg	TM181		21.8	15.5 M	13.7	10.8	10	9.93
Copper	<1.4 mg/kg	TM181		19.5	98.7 M	116	42.4	43.7	49.6
Lead	<0.7 mg/kg	TM181		18.8	119 M	169	40.4	20.6	43.6
Mercury	<0.14 mg/kg	TM181		<1.4	0.335 M	0.212	<0.14	<0.14	<0.14
Nickel	<0.2 mg/kg	TM181		48.3	173 M	33.2	24.5	31.1	23.3
Selenium	<1 mg/kg	TM181		<10	<1 #	<1	1.35	1.12	1.45
Vanadium	<0.2 mg/kg	TM181		23.6	42.9 #	41.7	37.8	32	29.1
Zinc	<1.9 mg/kg	TM181		86.1	340 M	504	50.7	54.5	100

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	TPE0651	TPE0651	TPE0651	TPE0651	TPE0651	TPE0674
			Depth (m)	0.50	1.50	2.50	3.50	4.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10917926	10917931	10917937	10917794	10917827	10917969
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		6.9	18	20	21	17	7.3
Actinolite*	-	SUB (ASB)		Not Detected #					Not Detected #
Amosite*	-	SUB (ASB)		Not Detected #					Not Detected #
Anthophyllite*	-	SUB (ASB)		Not Detected #					Not Detected #
Chrysotile*	-	SUB (ASB)		Not Detected #					Not 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 #
pH	1 pH Units	TM133		9.17 M	6.29 M	5.2	7.17	6.69	9 M
Arsenic	<0.6 mg/kg	TM181		13.6 M	26 M	26	36.5	32.8	6.99 M
Cadmium	<0.02 mg/kg	TM181		0.923 M	0.18 M	<0.02	0.568	0.978	1.58 M
Chromium	<0.9 mg/kg	TM181		10.1 M	9.43 M	10.8	14.5	12.3	14.3 M
Copper	<1.4 mg/kg	TM181		58.8 M	38.7 M	41.7	59	57.4	21.2 M
Lead	<0.7 mg/kg	TM181		52.1 M	516 M	169	149	557	32.8 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14	<0.14	<0.14	<0.14 M
Nickel	<0.2 mg/kg	TM181		33.6 M	19.1 M	28	30.8	25.1	29.4 M
Selenium	<1 mg/kg	TM181		<1 #	1.04 #	<1	<1	<1	<1 #
Vanadium	<0.2 mg/kg	TM181		14 #	22.8 #	25.4	26.4	21.1	13.9 #
Zinc	<1.9 mg/kg	TM181		217 M	451 M	74	325	1350	122 M

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	TPE0674	TPE0674	TPE0674	TPE0674	TPE0762	TPE0847
			Depth (m)	1.50	2.50	3.50	4.50	0.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10917977	10917983	10917989	10917997	10917052	10917324
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		15	19	19	20	12	14
Actinolite*	-	SUB (ASB)						Not Detected #	Not Detected #
Amosite*	-	SUB (ASB)						Not Detected #	Not Detected #
Anthophyllite*	-	SUB (ASB)						Not Detected #	Not Detected #
Chrysotile*	-	SUB (ASB)						Not Detected #	Not 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 #
pH	1 pH Units	TM133		6.98 M	7.81 M	5.73 M	5.83 M	7.31 M	7.54 M
Arsenic	<0.6 mg/kg	TM181		68.9 M	32.8 M	36.4 M	29.4 M	11 M	28.6 M
Cadmium	<0.02 mg/kg	TM181		<0.2 M	2.74 M	2.33 M	2.12 M	0.676 M	1.39 M
Chromium	<0.9 mg/kg	TM181		213 M	41.1 M	38.5 M	41.3 M	15.4 M	18.1 M
Copper	<1.4 mg/kg	TM181		1550 M	81.7 M	77.3 M	211 M	19.8 M	53.7 M
Lead	<0.7 mg/kg	TM181		663 M	269 M	58.4 M	100 M	39.7 M	79.3 M
Mercury	<0.14 mg/kg	TM181		0.191 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		481 M	36.2 M	95.1 M	72.4 M	30.8 M	30.4 M
Selenium	<1 mg/kg	TM181		<10 #	1.07 #	1.17 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		25.2 #	17.5 #	26.6 #	59.6 #	15.4 #	15.1 #
Zinc	<1.9 mg/kg	TM181		904 M	444 M	255 M	151 M	102 M	215 M

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	TPE853	TPE853	TPE853	TPE0903	TPE0903	TPE0957
			Depth (m)	0.50	1.50	2.50	0.50	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10918057	10918063	10918068	10917264	10917279	10917108
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		12	12	11	19	12	17
Actinolite*	-	SUB (ASB)		Not Detected #			Not Detected #		Not Detected #
Amosite*	-	SUB (ASB)		Not Detected #			Not Detected #		Not Detected #
Anthophyllite*	-	SUB (ASB)		Not Detected #			Not Detected #		Not Detected #
Chrysotile*	-	SUB (ASB)		Not Detected #			Not Detected #		Not Detected #
Crocidolite*	-	SUB (ASB)		Not Detected #			Not Detected #		Not Detected #
Tremolite*	-	SUB (ASB)		Not Detected #			Not Detected #		Not Detected #
Non-Asbestos Fibres Detected	-	SUB (ASB)		Not Detected #			Not Detected #		Not Detected #
pH	1 pH Units	TM133		5.5 M	6.19 M	6.84 M	5.21 M	5.51 M	6.95 M
Arsenic	<0.6 mg/kg	TM181		7.48 M	6.47 M	6.97 M	10.9 M	10.7 M	52.9 M
Cadmium	<0.02 mg/kg	TM181		0.26 M	0.527 M	<0.02 M	0.688 M	0.991 M	1.37 M
Chromium	<0.9 mg/kg	TM181		11.3 M	12 M	11.6 M	16.9 M	12.8 M	15.5 M
Copper	<1.4 mg/kg	TM181		11.6 M	10.6 M	11.6 M	22.1 M	21 M	113 M
Lead	<0.7 mg/kg	TM181		11.1 M	10.3 M	11.1 M	19.8 M	15.2 M	59.8 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		20.4 M	24.4 M	25.2 M	20.5 M	26.4 M	18.8 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	1.1 #
Vanadium	<0.2 mg/kg	TM181		11.4 #	11.6 #	11.7 #	20.5 #	14.2 #	20.5 #
Zinc	<1.9 mg/kg	TM181		51.6 M	57.8 M	61.3 M	94.6 M	131 M	225 M

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	TPE1079	TPE1660	TPE1660	TPE1660	TPE1661	TPE1661
			Depth (m)	0.50	0.50	1.50	2.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10918142	10917391	10917407	10917427	10917448	10917462
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		26	11	8.8	14	14	12
Actinolite*	-	SUB (ASB)		Not Detected #	Not Detected #			Not Detected #	
Amosite*	-	SUB (ASB)		Not Detected #	Not Detected #			Not Detected #	
Anthophyllite*	-	SUB (ASB)		Not Detected #	Not Detected #			Not Detected #	
Chrysotile*	-	SUB (ASB)		Not Detected #	Not Detected #			Not Detected #	
Crocidolite*	-	SUB (ASB)		Not Detected #	Not Detected #			Not Detected #	
Tremolite*	-	SUB (ASB)		Not Detected #	Not Detected #			Not Detected #	
Non-Asbestos Fibres Detected	-	SUB (ASB)		Not Detected #	Not Detected #			Not Detected #	
pH	1 pH Units	TM133		8.33 M	7.96 M	8.26 M	8.38 M	7.29 M	7.42 M
Arsenic	<0.6 mg/kg	TM181		48.7 M	47 M	18.4 M	30.9 M	39.5 M	24.3 M
Cadmium	<0.02 mg/kg	TM181		1.64 M	0.241 M	1.04 M	1.08 M	1.31 M	1.07 M
Chromium	<0.9 mg/kg	TM181		19.3 M	16.5 M	15 M	18.9 M	12.7 M	11.5 M
Copper	<1.4 mg/kg	TM181		121 M	641 M	69.1 M	165 M	60 M	45.8 M
Lead	<0.7 mg/kg	TM181		98.7 M	181 M	146 M	116 M	97 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		26.6 M	31.9 M	28.2 M	35.8 M	29 M	28.1 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		22.7 #	19.6 #	14.7 #	23.8 #	15.3 #	13.1 #
Zinc	<1.9 mg/kg	TM181		283 M	822 M	301 M	363 M	215 M	233 M

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	TPE1691	TPE1691	TPE1691	TPE1708	TPE1708
			Depth (m)	0.50	1.50	2.50	0.70	1.70
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10917073	10917083	10917094	10917504	10917523
			AGS Reference					
Moisture Content Ratio (% of as received sample)	%	PM024		15	58	20	19	14
Actinolite*	-	SUB (ASB)		Not Detected #			Not Detected #	
Amosite*	-	SUB (ASB)		Not Detected #			Not Detected #	
Anthophyllite*	-	SUB (ASB)		Not Detected #			Not Detected #	
Chrysotile*	-	SUB (ASB)		Not Detected #			Not 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		2.24 #			2.83 #	
pH	1 pH Units	TM133		6.33 M	5.18 M	6.28 M	6.4 M	5.98 M
Arsenic	<0.6 mg/kg	TM181		17.3 M	265 M	8.97 M	23.9 M	11.1 M
Cadmium	<0.02 mg/kg	TM181		1.1 M	9.35 M	0.478 M	1.18 M	0.538 M
Chromium	<0.9 mg/kg	TM181		22.2 M	8.13 M	19.3 M	14.1 M	15.3 M
Copper	<1.4 mg/kg	TM181		35.2 M	484 M	12.9 M	55.4 M	21.6 M
Lead	<0.7 mg/kg	TM181		33.5 M	229 M	19.3 M	91.9 M	19.1 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	0.185 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		25.6 M	32.3 M	32.9 M	24.7 M	30.3 M
Selenium	<1 mg/kg	TM181		<1 #	6.38 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		14.9 #	17.1 #	25.8 #	17.3 #	15.9 #
Zinc	<1.9 mg/kg	TM181		106 M	785 M	76.1 M	142 M	75.6 M

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	IP0062	IP0062	IP0068	IP0068	IP0068	IP0068
			Depth (m)	0.50	1.50	1.00	2.50	3.50	4.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10918021	10918026	10918035	10918041	10918048	10918052
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		95.4	89.7	99.3	95.2	91	93.8
Acenaphthene-d10 % recovery**	%	TM218		93.6	87.1	98.1	93.4	90.5	91
Phenanthrene-d10 % recovery**	%	TM218		89.9	83.8	93	88.4	86.7	87.8
Chrysene-d12 % recovery**	%	TM218		85.2	78.6	91.9	81.7	79.9	79.8
Perylene-d12 % recovery**	%	TM218		94	85.3	106	90.6	88.3	88.2
Naphthalene	<9 µg/kg	TM218		<9 ♦ M	<9 ♦ M	67.1 ♦ M	21.7 ♦ M	<9 ♦ M	<9 ♦ M
Acenaphthylene	<12 µg/kg	TM218		<12 ♦ M	<12 ♦ M	<12 ♦ M	17 ♦ M	<12 ♦ M	<12 ♦ M
Acenaphthene	<8 µg/kg	TM218		<8 ♦ M	<8 ♦ M	21.7 ♦ M	10.6 ♦ M	<8 ♦ M	<8 ♦ M
Fluorene	<10 µg/kg	TM218		<10 ♦ M	<10 ♦ M	57.9 ♦ M	13.3 ♦ M	<10 ♦ M	<10 ♦ M
Phenanthrene	<15 µg/kg	TM218		51.3 ♦ M	88.2 ♦ M	185 ♦ M	189 ♦ M	33.4 ♦ M	<15 ♦ M
Anthracene	<16 µg/kg	TM218		<16 ♦ M	<16 ♦ M	45.2 ♦ M	29.1 ♦ M	<16 ♦ M	<16 ♦ M
Fluoranthene	<17 µg/kg	TM218		74.7 ♦ M	89.4 ♦ M	143 ♦ M	317 ♦ M	<17 ♦ M	<17 ♦ M
Pyrene	<15 µg/kg	TM218		57.2 ♦ M	61.4 ♦ M	207 ♦ M	240 ♦ M	<15 ♦ M	<15 ♦ M
Benz(a)anthracene	<14 µg/kg	TM218		31.5 ♦ M	37.4 ♦ M	126 ♦ M	204 ♦ M	<14 ♦ M	<14 ♦ M
Chrysene	<10 µg/kg	TM218		52.9 ♦ M	53.7 ♦ M	163 ♦ M	266 ♦ M	17.2 ♦ M	<10 ♦ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		72.5 ♦ M	39.9 ♦ M	216 ♦ M	420 ♦ M	27 ♦ M	<15 ♦ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		21.9 ♦ M	<14 ♦ M	69.2 ♦ M	123 ♦ M	<14 ♦ M	<14 ♦ M
Benzo(a)pyrene	<15 µg/kg	TM218		34.2 ♦ M	18.1 ♦ M	125 ♦ M	213 ♦ M	<15 ♦ M	<15 ♦ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		22.4 ♦ M	<18 ♦ M	79.6 ♦ M	160 ♦ M	<18 ♦ M	<18 ♦ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 ♦ M	<23 ♦ M	38.5 ♦ M	66.6 ♦ M	<23 ♦ M	<23 ♦ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 ♦ M	<24 ♦ M	104 ♦ M	178 ♦ M	<24 ♦ M	<24 ♦ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		419	388	1650	2470	<118	<118

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	IP1095	IP1095	IP1095	IP1096	IP1096	IP1096
			Depth (m)	0.50	1.50	2.50	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10916977	10917639	10917815	10917918	10917973	10918030
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		93.8	107	101	92.4	115	104
Acenaphthene-d10 % recovery**	%	TM218		95.2	109	105	91.4	119	104
Phenanthrene-d10 % recovery**	%	TM218		93.3	99.5	99.8	90.4	111	96.2
Chrysene-d12 % recovery**	%	TM218		91.2	90	98.5	92.4	109	90.6
Perylene-d12 % recovery**	%	TM218		100	83.4	101	108	120	97.8
Naphthalene	<9 µg/kg	TM218		235 ♦ #	39.3 ♦	92.6 ♦	46.7 ♦ M	299 ♦ M	169 ♦
Acenaphthylene	<12 µg/kg	TM218		544 ♦ #	<12 ♦	31.8 ♦	22.6 ♦ M	252 ♦ M	66 ♦
Acenaphthene	<8 µg/kg	TM218		146 ♦ #	<8 ♦	22.2 ♦	28.3 ♦ M	3190 ♦ M	27.1 ♦
Fluorene	<10 µg/kg	TM218		185 ♦ #	<10 ♦	37.1 ♦	23.1 ♦ M	2250 ♦ M	33 ♦
Phenanthrene	<15 µg/kg	TM218		1000 ♦ #	67 ♦	191 ♦	324 ♦ M	14700 ♦ M	485 ♦
Anthracene	<16 µg/kg	TM218		1370 ♦ #	<16 ♦	78.5 ♦	68.1 ♦ M	3760 ♦ M	205 ♦
Fluoranthene	<17 µg/kg	TM218		6380 ♦ #	<17 ♦	283 ♦	543 ♦ M	25600 ♦ M	875 ♦
Pyrene	<15 µg/kg	TM218		5780 ♦ #	<15 ♦	273 ♦	450 ♦ M	18100 ♦ M	727 ♦
Benz(a)anthracene	<14 µg/kg	TM218		2390 ♦ #	25.6 ♦	156 ♦	326 ♦ M	18100 ♦ M	652 ♦
Chrysene	<10 µg/kg	TM218		3070 ♦ #	28.8 ♦	192 ♦	315 ♦ M	16800 ♦ M	714 ♦
Benzo(b)fluoranthene	<15 µg/kg	TM218		2640 ♦ #	22.6 ♦	236 ♦	565 ♦ M	24800 ♦ M	1720 ♦
Benzo(k)fluoranthene	<14 µg/kg	TM218		1200 ♦ #	<14 ♦	77.4 ♦	187 ♦ M	8130 ♦ M	572 ♦
Benzo(a)pyrene	<15 µg/kg	TM218		1600 ♦ #	<15 ♦	156 ♦	338 ♦ M	16200 ♦ M	898 ♦
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		806 ♦ #	<18 ♦	95.7 ♦	188 ♦ M	8510 ♦ M	651 ♦
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		296 ♦ #	<23 ♦	42.4 ♦	70.8 ♦ M	3630 ♦ M	284 ♦
Benzo(g,h,i)perylene	<24 µg/kg	TM218		860 ♦ #	<24 ♦	138 ♦	236 ♦ M	9080 ♦ M	706 ♦
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		28500	183	2100	3730	173000	8780

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	IP1096	IP1203	IP1203	IP1209	IP1209	IP1209
			Depth (m)	3.40	0.50	1.50	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10918090	10918146	10918217	10916986	10917120	10917291
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		99.8	94.3	117	89.3	92.2	113
Acenaphthene-d10 % recovery**	%	TM218		98.7	95.2	120	88.9	94.7	116
Phenanthrene-d10 % recovery**	%	TM218		84	93.3	106	88.3	79.7	102
Chrysene-d12 % recovery**	%	TM218		69.4	93.1	86.9	90.6	56.6	75
Perylene-d12 % recovery**	%	TM218		65.8	104	90.9	113	41.8	63.4
Naphthalene	<9 µg/kg	TM218		174 ♦	267 ♦ M	121 ♦	88.7 ♦ M	139 ♦	137 ♦
Acenaphthylene	<12 µg/kg	TM218		<12 ♦	298 ♦ M	<12 ♦	<12 ♦ M	20.3 ♦	17.5 ♦
Acenaphthene	<8 µg/kg	TM218		<8 ♦	105 ♦ M	<8 ♦	84.5 ♦ M	<8 ♦	31.4 ♦
Fluorene	<10 µg/kg	TM218		<10 ♦	112 ♦ M	<10 ♦	80.3 ♦ M	<10 ♦	36.4 ♦
Phenanthrene	<15 µg/kg	TM218		55.8 ♦	822 ♦ M	159 ♦	554 ♦ M	146 ♦	301 ♦
Anthracene	<16 µg/kg	TM218		<16 ♦	746 ♦ M	22.1 ♦	151 ♦ M	<16 ♦	44.7 ♦
Fluoranthene	<17 µg/kg	TM218		<17 ♦	4090 ♦ M	47.1 ♦	1090 ♦ M	33.6 ♦	230 ♦
Pyrene	<15 µg/kg	TM218		<15 ♦	3470 ♦ M	71.6 ♦	945 ♦ M	31.2 ♦	183 ♦
Benz(a)anthracene	<14 µg/kg	TM218		<14 ♦	1550 ♦ M	28 ♦	905 ♦ M	19.1 ♦	78.4 ♦
Chrysene	<10 µg/kg	TM218		<10 ♦	1760 ♦ M	57.2 ♦	830 ♦ M	56.3 ♦	132 ♦
Benzo(b)fluoranthene	<15 µg/kg	TM218		<15 ♦	2560 ♦ M	59.8 ♦	1690 ♦ M	30.8 ♦	86.1 ♦
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 ♦	980 ♦ M	<14 ♦	525 ♦ M	<14 ♦	28.4 ♦
Benzo(a)pyrene	<15 µg/kg	TM218		<15 ♦	1300 ♦ M	28.3 ♦	1250 ♦ M	<15 ♦	50.5 ♦
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 ♦	831 ♦ M	<18 ♦	662 ♦ M	<18 ♦	<18 ♦
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 ♦	306 ♦ M	<23 ♦	245 ♦ M	<23 ♦	<23 ♦
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 ♦	885 ♦ M	62.6 ♦	764 ♦ M	<24 ♦	<24 ♦
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		229	20100	657	9860	476	1360

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	IP1209	IP1210	IP1210	IP1210	IP1210	IP1210
			Depth (m)	3.50	0.50	1.50	2.60	3.40	4.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10917485	10917544	10917672	10917686	10917706	10917721
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		89.5	96.3	103	107	97.4	102
Acenaphthene-d10 % recovery**	%	TM218		91.7	96.9	106	110	99.8	107
Phenanthrene-d10 % recovery**	%	TM218		76.2	94.4	90.8	98	78	90
Chrysene-d12 % recovery**	%	TM218		57	97.4	65.1	82.3	44.3	67.7
Perylene-d12 % recovery**	%	TM218		48.7	112	54.2	73.7	30.8	64.2
Naphthalene	<9 µg/kg	TM218		308 ♦	377 ♦ M	274 ♦	107 ♦	122 ♦ M	133 ♦ M
Acenaphthylene	<12 µg/kg	TM218		59 ♦	146 ♦ M	49.5 ♦	<12 ♦	18.9 ♦ M	21.3 ♦ M
Acenaphthene	<8 µg/kg	TM218		29 ♦	453 ♦ M	20.3 ♦	20.4 ♦	13.9 ♦ M	14.2 ♦ M
Fluorene	<10 µg/kg	TM218		27.6 ♦	522 ♦ M	48.1 ♦	36.9 ♦	<10 ♦ M	24.9 ♦ M
Phenanthrene	<15 µg/kg	TM218		226 ♦	3680 ♦ M	361 ♦	262 ♦	157 ♦ M	191 ♦ M
Anthracene	<16 µg/kg	TM218		28.6 ♦	1310 ♦ M	47.6 ♦	38 ♦	<16 ♦ M	<16 ♦ M
Fluoranthene	<17 µg/kg	TM218		128 ♦	8160 ♦ M	283 ♦	167 ♦	52.6 ♦ M	96.3 ♦ M
Pyrene	<15 µg/kg	TM218		109 ♦	6480 ♦ M	203 ♦	174 ♦	55.1 ♦ M	69 ♦ M
Benz(a)anthracene	<14 µg/kg	TM218		51.6 ♦	5280 ♦ M	102 ♦	59.7 ♦	<14 ♦ M	38.8 ♦ M
Chrysene	<10 µg/kg	TM218		111 ♦	5290 ♦ M	177 ♦	127 ♦	51.2 ♦ M	68.1 ♦ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		79.5 ♦	6580 ♦ M	127 ♦	104 ♦	32.3 ♦ M	47.1 ♦ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		26 ♦	2220 ♦ M	49.7 ♦	37 ♦	<14 ♦ M	<14 ♦ M
Benzo(a)pyrene	<15 µg/kg	TM218		32.8 ♦	4000 ♦ M	58.2 ♦	60 ♦	<15 ♦ M	<15 ♦ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 ♦	2240 ♦ M	34.8 ♦	31.7 ♦	<18 ♦ M	<18 ♦ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 ♦	942 ♦ M	<23 ♦	<23 ♦	<23 ♦ M	<23 ♦ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		31.1 ♦	2590 ♦ M	40.3 ♦	47.5 ♦	<24 ♦ M	<24 ♦ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		1250	50300	1880	1270	503	704

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	IP1312	IP1312	IP1312	IP1312	IP1312	IP1318
			Depth (m)	0.50	1.50	2.50	3.50	4.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10917740	10917754	10917768	10917778	10917559	10917577
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		90.8	193	105	80.8	91	105
Acenaphthene-d10 % recovery**	%	TM218		90.9	208	110	95.6	97	105
Phenanthrene-d10 % recovery**	%	TM218		90.5	174	83.5	82.6	74.6	89
Chrysene-d12 % recovery**	%	TM218		95.7	143	46.6	62	43.6	65.9
Perylene-d12 % recovery**	%	TM218		121	136	36	54.1	34.3	63.2
Naphthalene	<9 µg/kg	TM218		148 ♦ M	368 ♦	268 ♦	78 ♦ #	372 ♦	241 ♦
Acenaphthylene	<12 µg/kg	TM218		<12 ♦ M	97.2 ♦	28.5 ♦	15.5 ♦ #	63.1 ♦	<12 ♦
Acenaphthene	<8 µg/kg	TM218		44.9 ♦ M	140 ♦	<8 ♦	<8 ♦ #	43.3 ♦	<8 ♦
Fluorene	<10 µg/kg	TM218		45.6 ♦ M	150 ♦	<10 ♦	<10 ♦ #	79.9 ♦	<10 ♦
Phenanthrene	<15 µg/kg	TM218		388 ♦ M	504 ♦	186 ♦	95.8 ♦ #	370 ♦	131 ♦
Anthracene	<16 µg/kg	TM218		129 ♦ M	251 ♦	<16 ♦	<16 ♦ #	48.9 ♦	132 ♦
Fluoranthene	<17 µg/kg	TM218		761 ♦ M	257 ♦	51.6 ♦	51.9 ♦ #	58.5 ♦	93.9 ♦
Pyrene	<15 µg/kg	TM218		743 ♦ M	880 ♦	38.3 ♦	66.4 ♦ #	126 ♦	<15 ♦
Benz(a)anthracene	<14 µg/kg	TM218		523 ♦ M	398 ♦	21.4 ♦	<14 ♦ #	335 ♦	<14 ♦
Chrysene	<10 µg/kg	TM218		573 ♦ M	791 ♦	88.3 ♦	29.6 ♦ #	293 ♦	33.3 ♦
Benzo(b)fluoranthene	<15 µg/kg	TM218		1380 ♦ M	342 ♦	38.7 ♦	30.5 ♦ #	71.1 ♦	32.8 ♦
Benzo(k)fluoranthene	<14 µg/kg	TM218		460 ♦ M	111 ♦	<14 ♦	<14 ♦ #	<14 ♦	<14 ♦
Benzo(a)pyrene	<15 µg/kg	TM218		776 ♦ M	399 ♦	<15 ♦	<15 ♦ #	23.8 ♦	<15 ♦
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		607 ♦ M	<90 ♦	<18 ♦	<18 ♦ #	<18 ♦	<18 ♦
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		239 ♦ M	150 ♦	<23 ♦	<23 ♦ #	<23 ♦	<23 ♦
Benzo(g,h,i)perylene	<24 µg/kg	TM218		909 ♦ M	206 ♦	<24 ♦	<24 ♦ #	<24 ♦	<24 ♦
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		7720	5050	721	368	1890	665

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	IP1318	IP1318	IP1318	IP1318	IP1319	IP1319
			Depth (m)	1.50	2.50	3.50	4.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10917589	10917605	10917621	10917658	10917941	10917945
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		106	106	109	95.2	84.5	98.8
Acenaphthene-d10 % recovery**	%	TM218		109	112	115	101	82.9	103
Phenanthrene-d10 % recovery**	%	TM218		104	88.3	89.4	94.1	82.8	95.8
Chrysene-d12 % recovery**	%	TM218		96.7	50.8	57.5	95.9	87	94.7
Perylene-d12 % recovery**	%	TM218		98.6	42.2	45.6	113	102	107
Naphthalene	<9 µg/kg	TM218		769 ♦	809 ♦	221 ♦	2640 ♦	91 ♦ M	3020 ♦
Acenaphthylene	<12 µg/kg	TM218		<120 ♦	93.9 ♦	29.8 ♦	680 ♦	406 ♦ M	<60 ♦
Acenaphthene	<8 µg/kg	TM218		907 ♦	31.5 ♦	<8 ♦	1520 ♦	1870 ♦ M	12900 ♦
Fluorene	<10 µg/kg	TM218		1050 ♦	76 ♦	<10 ♦	2220 ♦	1440 ♦ M	10000 ♦
Phenanthrene	<15 µg/kg	TM218		3280 ♦	385 ♦	187 ♦	5100 ♦	11800 ♦ M	15700 ♦
Anthracene	<16 µg/kg	TM218		1330 ♦	43.9 ♦	<16 ♦	2230 ♦	1870 ♦ M	7100 ♦
Fluoranthene	<17 µg/kg	TM218		758 ♦	94.2 ♦	127 ♦	1990 ♦	42200 ♦ M	13100 ♦
Pyrene	<15 µg/kg	TM218		2580 ♦	119 ♦	60.9 ♦	7830 ♦	22500 ♦ M	16100 ♦
Benz(a)anthracene	<14 µg/kg	TM218		1130 ♦	36.8 ♦	29.8 ♦	3110 ♦	1030 ♦ M	7540 ♦
Chrysene	<10 µg/kg	TM218		1700 ♦	159 ♦	54.5 ♦	5190 ♦	873 ♦ M	8220 ♦
Benzo(b)fluoranthene	<15 µg/kg	TM218		752 ♦	71.3 ♦	48.6 ♦	2660 ♦	851 ♦ M	3610 ♦
Benzo(k)fluoranthene	<14 µg/kg	TM218		<140 ♦	<14 ♦	<14 ♦	642 ♦	294 ♦ M	789 ♦
Benzo(a)pyrene	<15 µg/kg	TM218		666 ♦	27.9 ♦	26 ♦	3320 ♦	547 ♦ M	3730 ♦
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<180 ♦	<18 ♦	<18 ♦	848 ♦	285 ♦ M	790 ♦
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<230 ♦	<23 ♦	<23 ♦	842 ♦	112 ♦ M	921 ♦
Benzo(g,h,i)perylene	<24 µg/kg	TM218		393 ♦	<24 ♦	<24 ♦	1840 ♦	415 ♦ M	1540 ♦
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		15300	1950	784	42700	86600	105000

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	IP1319	IP1319	IP1319	IP1320	IP1320	IP1320
			Depth (m)	2.50	3.50	4.50	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10917951	10917957	10917962	10917895	10917904	10917909
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		102	129	96.3	93.6	90	124
Acenaphthene-d10 % recovery**	%	TM218		105	131	98.9	90	92.6	124
Phenanthrene-d10 % recovery**	%	TM218		77.5	65.8	83.1	90.4	88.8	101
Chrysene-d12 % recovery**	%	TM218		27	12	54	83.4	87.2	62.7
Perylene-d12 % recovery**	%	TM218		12.7	5.66	43.1	95.1	93.6	37.8
Naphthalene	<9 µg/kg	TM218		378 ♦ #	1170 ♦ #	124 ♦ #	413 ♦ M	526 ♦	313 ♦ #
Acenaphthylene	<12 µg/kg	TM218		<12 ♦ #	191 ♦ #	29.5 ♦ #	<120 ♦ M	143 ♦	59.3 ♦ #
Acenaphthene	<8 µg/kg	TM218		<8 ♦ #	45.2 ♦ #	11.1 ♦ #	460 ♦ M	600 ♦	46.8 ♦ #
Fluorene	<10 µg/kg	TM218		<10 ♦ #	51.5 ♦ #	12.8 ♦ #	388 ♦ M	585 ♦	86.4 ♦ #
Phenanthrene	<15 µg/kg	TM218		<15 ♦ #	147 ♦ #	94.1 ♦ #	1130 ♦ M	1840 ♦	433 ♦ #
Anthracene	<16 µg/kg	TM218		<16 ♦ #	<16 ♦ #	<16 ♦ #	323 ♦ M	614 ♦	61.1 ♦ #
Fluoranthene	<17 µg/kg	TM218		<17 ♦ #	25.3 ♦ #	46.1 ♦ #	978 ♦ M	1530 ♦	264 ♦ #
Pyrene	<15 µg/kg	TM218		<15 ♦ #	36.8 ♦ #	33.1 ♦ #	1150 ♦ M	2200 ♦	235 ♦ #
Benz(a)anthracene	<14 µg/kg	TM218		<14 ♦ #	<14 ♦ #	19.1 ♦ #	426 ♦ M	806 ♦	54.1 ♦ #
Chrysene	<10 µg/kg	TM218		<10 ♦ #	<10 ♦ #	28.7 ♦ #	522 ♦ M	1190 ♦	108 ♦ #
Benzo(b)fluoranthene	<15 µg/kg	TM218		<15 ♦ #	<15 ♦ #	22.6 ♦ #	647 ♦ M	687 ♦	62.3 ♦ #
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 ♦ #	<14 ♦ #	<14 ♦ #	222 ♦ M	308 ♦	24.7 ♦ #
Benzo(a)pyrene	<15 µg/kg	TM218		<15 ♦ #	<15 ♦ #	<15 ♦ #	428 ♦ M	708 ♦	34.4 ♦ #
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 ♦ #	<18 ♦ #	<18 ♦ #	254 ♦ M	288 ♦	<18 ♦ #
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 ♦ #	<23 ♦ #	<23 ♦ #	<230 ♦ M	162 ♦	<23 ♦ #
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 ♦ #	<24 ♦ #	<24 ♦ #	490 ♦ M	433 ♦	<24 ♦ #
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		378	1660	421	7830	12600	1780

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	IP1320	IP1582	IP1678	IP1678	IP1679	IP1679
			Depth (m)	3.50	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	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10917914	10917062	10917032	10917043	10917001	10917019
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		117	89.1	98.3	93.6	89.1	91.1
Acenaphthene-d10 % recovery**	%	TM218		120	88.7	101	90.8	87.9	91.7
Phenanthrene-d10 % recovery**	%	TM218		106	86.5	98	88.1	86.8	90.1
Chrysene-d12 % recovery**	%	TM218		83.3	86	96.3	85.9	86.8	91.1
Perylene-d12 % recovery**	%	TM218		68.9	102	112	89.3	104	101
Naphthalene	<9 µg/kg	TM218		109 ♦	16.6 ♦ M	<9 ♦ M	54.7 ♦ M	161 ♦ M	3340 ♦ M
Acenaphthylene	<12 µg/kg	TM218		<12 ♦	<12 ♦ M	25.2 ♦ M	<12 ♦ M	<12 ♦ M	35.7 ♦ M
Acenaphthene	<8 µg/kg	TM218		25.6 ♦	<8 ♦ M	29.4 ♦ M	<8 ♦ M	<8 ♦ M	311 ♦ M
Fluorene	<10 µg/kg	TM218		31 ♦	<10 ♦ M	23 ♦ M	<10 ♦ M	<10 ♦ M	312 ♦ M
Phenanthrene	<15 µg/kg	TM218		224 ♦	195 ♦ M	133 ♦ M	106 ♦ M	93.7 ♦ M	470 ♦ M
Anthracene	<16 µg/kg	TM218		32.2 ♦	<16 ♦ M	37.8 ♦ M	<16 ♦ M	<16 ♦ M	95.8 ♦ M
Fluoranthene	<17 µg/kg	TM218		185 ♦	208 ♦ M	85.1 ♦ M	45 ♦ M	<17 ♦ M	44 ♦ M
Pyrene	<15 µg/kg	TM218		174 ♦	159 ♦ M	59.8 ♦ M	38.1 ♦ M	<15 ♦ M	64.7 ♦ M
Benz(a)anthracene	<14 µg/kg	TM218		69.3 ♦	108 ♦ M	30.5 ♦ M	<14 ♦ M	<14 ♦ M	<14 ♦ M
Chrysene	<10 µg/kg	TM218		120 ♦	175 ♦ M	49.7 ♦ M	15.5 ♦ M	43.6 ♦ M	57.6 ♦ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		83.7 ♦	279 ♦ M	57.4 ♦ M	70.3 ♦ M	40.9 ♦ M	42.3 ♦ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		25.3 ♦	69.7 ♦ M	<14 ♦ M	<14 ♦ M	<14 ♦ M	<14 ♦ M
Benzo(a)pyrene	<15 µg/kg	TM218		50.5 ♦	124 ♦ M	30.8 ♦ M	<15 ♦ M	<15 ♦ M	<15 ♦ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		25.2 ♦	75.6 ♦ M	<18 ♦ M	<18 ♦ M	<18 ♦ M	<18 ♦ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 ♦	33 ♦ M	<23 ♦ M	<23 ♦ M	<23 ♦ M	<23 ♦ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		35.5 ♦	85.7 ♦ M	<24 ♦ M	<24 ♦ M	<24 ♦ M	<24 ♦ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		1190	1530	561	330	339	4770

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	IP1729	IP1729	IP1730	IP1769	IP1769	IP1770
			Depth (m)	0.50	1.50	0.50	0.50	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10918254	10918261	10917375	10917337	10917353	10918268
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		102	96	88.6	102	93.6	101
Acenaphthene-d10 % recovery**	%	TM218		101	99.1	87.8	101	92.1	101
Phenanthrene-d10 % recovery**	%	TM218		97.8	94.9	86.3	96.7	89.7	101
Chrysene-d12 % recovery**	%	TM218		95.6	91.1	87.1	91	88.3	104
Perylene-d12 % recovery**	%	TM218		111	105	106	101	93.2	120
Naphthalene	<9 µg/kg	TM218		<9 ♦ M	278 ♦ M	31.7 ♦ M	16.5 ♦ M	11.2 ♦ M	217 ♦ 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	32.2 ♦ M	<8 ♦ M	<8 ♦ M	<8 ♦ M	<8 ♦ M
Fluorene	<10 µg/kg	TM218		<10 ♦ M	56.7 ♦ M	<10 ♦ M	<10 ♦ M	<10 ♦ M	206 ♦ M
Phenanthrene	<15 µg/kg	TM218		69.7 ♦ M	176 ♦ M	153 ♦ M	129 ♦ M	106 ♦ M	335 ♦ M
Anthracene	<16 µg/kg	TM218		<16 ♦ M	<16 ♦ M	<16 ♦ M	<16 ♦ M	<16 ♦ M	84.4 ♦ M
Fluoranthene	<17 µg/kg	TM218		<17 ♦ M	<17 ♦ M	21.6 ♦ M	39.4 ♦ M	74.8 ♦ M	<17 ♦ M
Pyrene	<15 µg/kg	TM218		<15 ♦ M	<15 ♦ M	<15 ♦ M	26.7 ♦ M	59.6 ♦ M	<15 ♦ M
Benz(a)anthracene	<14 µg/kg	TM218		<14 ♦ M	<14 ♦ M	<14 ♦ M	<14 ♦ M	23 ♦ M	<14 ♦ M
Chrysene	<10 µg/kg	TM218		49.6 ♦ M	62.6 ♦ M	78.7 ♦ M	63 ♦ M	65.1 ♦ M	<10 ♦ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		45.6 ♦ M	53.1 ♦ M	75.3 ♦ M	58.5 ♦ M	64 ♦ M	45.6 ♦ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 ♦ M	<14 ♦ M	<14 ♦ M	<14 ♦ M	18.1 ♦ M	<14 ♦ M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 ♦ M	<15 ♦ M	<15 ♦ M	<15 ♦ M	37.5 ♦ M	<15 ♦ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 ♦ M	<18 ♦ M	<18 ♦ M	<18 ♦ M	27.9 ♦ M	<18 ♦ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 ♦ M	<23 ♦ M	<23 ♦ M	<23 ♦ M	<23 ♦ M	<23 ♦ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 ♦ M	<24 ♦ M	<24 ♦ M	<24 ♦ M	36 ♦ M	<24 ♦ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		165	659	361	333	523	888

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	IP1770	IP1770	IP1771	IP1771	IP1771	IP1771
			Depth (m)	1.50	2.50	0.50	1.50	2.50	3.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10918273	10918280	10918232	10918236	10918241	10918249
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		97.4	97.8	96.4	95.8	95	95
Acenaphthene-d10 % recovery**	%	TM218		99.5	101	95.7	97.9	97.9	96.9
Phenanthrene-d10 % recovery**	%	TM218		96.6	97.7	94.9	93.2	94	93
Chrysene-d12 % recovery**	%	TM218		92.6	95.1	90.3	90.6	92.3	91.6
Perylene-d12 % recovery**	%	TM218		105	110	98.5	103	107	105
Naphthalene	<9 µg/kg	TM218		49.7 ♦ M	869 ♦ M	19.1 ♦ M	54.2 ♦ M	430 ♦ M	107 ♦ 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	113 ♦ M	23.2 ♦ M	233 ♦ M	115 ♦ M	56.8 ♦ M
Fluorene	<10 µg/kg	TM218		33 ♦ M	276 ♦ M	99.6 ♦ M	386 ♦ M	240 ♦ M	240 ♦ M
Phenanthrene	<15 µg/kg	TM218		149 ♦ M	438 ♦ M	306 ♦ M	1380 ♦ M	390 ♦ M	457 ♦ M
Anthracene	<16 µg/kg	TM218		24.6 ♦ M	73.5 ♦ M	99.8 ♦ M	378 ♦ M	76.9 ♦ M	94.3 ♦ M
Fluoranthene	<17 µg/kg	TM218		57.1 ♦ M	42.8 ♦ M	<17 ♦ M	61.2 ♦ M	32.8 ♦ M	26.1 ♦ M
Pyrene	<15 µg/kg	TM218		50.1 ♦ M	42.5 ♦ M	32.8 ♦ M	216 ♦ M	34.1 ♦ M	34 ♦ M
Benz(a)anthracene	<14 µg/kg	TM218		34.3 ♦ M	<14 ♦ M	<14 ♦ M	<14 ♦ M	<14 ♦ M	<14 ♦ M
Chrysene	<10 µg/kg	TM218		78.5 ♦ M	80.6 ♦ M	19.4 ♦ M	88.7 ♦ M	90.7 ♦ M	63.6 ♦ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		86.8 ♦ M	66.5 ♦ M	<15 ♦ M	54.5 ♦ M	58.9 ♦ M	50.3 ♦ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 ♦ M	<14 ♦ M	<14 ♦ M	<14 ♦ M	<14 ♦ M	<14 ♦ M
Benzo(a)pyrene	<15 µg/kg	TM218		34.3 ♦ M	<15 ♦ M	<15 ♦ M	<15 ♦ M	<15 ♦ M	<15 ♦ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		25.1 ♦ M	<18 ♦ M	<18 ♦ M	<18 ♦ M	<18 ♦ M	<18 ♦ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 ♦ M	<23 ♦ M	<23 ♦ M	<23 ♦ M	<23 ♦ M	<23 ♦ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		30 ♦ M	<24 ♦ M	<24 ♦ M	<24 ♦ M	<24 ♦ M	<24 ♦ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		652	2000	600	2850	1470	1130

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	IP1815	IP1815	IP1815	IP1815	IP1860	IP1860
			Depth (m)	0.50	1.50	2.50	3.30	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10918194	10918203	10918208	10918225	10918177	10918182
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		93.3	93.1	95.3	95.8	90.9	90.7
Acenaphthene-d10 % recovery**	%	TM218		90.9	93.1	99.8	99	88.3	88.5
Phenanthrene-d10 % recovery**	%	TM218		86.8	89.7	94.9	95.4	86.5	85.6
Chrysene-d12 % recovery**	%	TM218		81.9	83.8	93.6	92.9	82.4	81.8
Perylene-d12 % recovery**	%	TM218		90.5	94.3	104	105	91.6	91.3
Naphthalene	<9 µg/kg	TM218		<9 ♦ M	30.5 ♦ M	1180 ♦ M	1130 ♦ 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	20.2 ♦ M	1070 ♦ M	307 ♦ M	<8 ♦ M	<8 ♦ M
Fluorene	<10 µg/kg	TM218		<10 ♦ M	50.1 ♦ M	1540 ♦ M	474 ♦ M	<10 ♦ M	<10 ♦ M
Phenanthrene	<15 µg/kg	TM218		56.5 ♦ M	220 ♦ M	5070 ♦ M	1500 ♦ M	70.7 ♦ M	161 ♦ M
Anthracene	<16 µg/kg	TM218		<16 ♦ M	24.5 ♦ M	1250 ♦ M	315 ♦ M	<16 ♦ M	<16 ♦ M
Fluoranthene	<17 µg/kg	TM218		<17 ♦ M	<17 ♦ M	241 ♦ M	192 ♦ M	<17 ♦ M	26.8 ♦ M
Pyrene	<15 µg/kg	TM218		<15 ♦ M	<15 ♦ M	801 ♦ M	305 ♦ M	<15 ♦ M	<15 ♦ M
Benz(a)anthracene	<14 µg/kg	TM218		<14 ♦ M	<14 ♦ M	86.4 ♦ M	67.9 ♦ M	<14 ♦ M	<14 ♦ M
Chrysene	<10 µg/kg	TM218		39.7 ♦ M	37.5 ♦ M	135 ♦ M	153 ♦ M	40 ♦ M	106 ♦ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		31.1 ♦ M	29.1 ♦ M	52.5 ♦ M	127 ♦ M	22.8 ♦ M	101 ♦ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 ♦ M	<14 ♦ M	<14 ♦ M	35.5 ♦ M	<14 ♦ M	<14 ♦ M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 ♦ M	<15 ♦ M	18.5 ♦ M	53.2 ♦ M	<15 ♦ M	<15 ♦ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 ♦ M	<18 ♦ M	<18 ♦ M	29.9 ♦ M	<18 ♦ M	<18 ♦ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 ♦ M	<23 ♦ M	<23 ♦ M	<23 ♦ M	<23 ♦ M	<23 ♦ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 ♦ M	<24 ♦ M	<24 ♦ M	34.3 ♦ M	<24 ♦ M	<24 ♦ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		127	412	11400	4720	134	395

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	IP1860	IP1898	IP1898	IP1898	IP1898	IP1899
			Depth (m)	2.50	0.50	1.50	2.50	3.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10918187	10918084	10918095	10918100	10918104	10917307
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		95.9	104	94.4	94.9	96.1	133
Acenaphthene-d10 % recovery**	%	TM218		98.1	103	93.3	96.9	98.2	133
Phenanthrene-d10 % recovery**	%	TM218		95.4	101	90.3	93.8	95	130
Chrysene-d12 % recovery**	%	TM218		91.9	101	90	89	90.3	132
Perylene-d12 % recovery**	%	TM218		104	111	103	101	103	155
Naphthalene	<9 µg/kg	TM218		1110 ♦ M	<9 ♦ M	34.4 ♦ M	103 ♦ M	62.3 ♦ M	133 ♦ M
Acenaphthylene	<12 µg/kg	TM218		<12 ♦ M	<12 ♦ M	<12 ♦ M	<12 ♦ M	<12 ♦ M	42.5 ♦ M
Acenaphthene	<8 µg/kg	TM218		120 ♦ M	<8 ♦ M	41.6 ♦ M	120 ♦ M	204 ♦ M	67.9 ♦ M
Fluorene	<10 µg/kg	TM218		229 ♦ M	23.7 ♦ M	<10 ♦ M	193 ♦ M	351 ♦ M	75.9 ♦ M
Phenanthrene	<15 µg/kg	TM218		732 ♦ M	69.2 ♦ M	135 ♦ M	156 ♦ M	951 ♦ M	1400 ♦ M
Anthracene	<16 µg/kg	TM218		142 ♦ M	23.9 ♦ M	<16 ♦ M	26.1 ♦ M	233 ♦ M	189 ♦ M
Fluoranthene	<17 µg/kg	TM218		138 ♦ M	27.7 ♦ M	<17 ♦ M	<17 ♦ M	20.5 ♦ M	1850 ♦ M
Pyrene	<15 µg/kg	TM218		111 ♦ M	40.3 ♦ M	<15 ♦ M	<15 ♦ M	38.2 ♦ M	1460 ♦ M
Benz(a)anthracene	<14 µg/kg	TM218		34.5 ♦ M	<14 ♦ M	<14 ♦ M	<14 ♦ M	<14 ♦ M	991 ♦ M
Chrysene	<10 µg/kg	TM218		114 ♦ M	18.8 ♦ M	55.2 ♦ M	26.5 ♦ M	27.6 ♦ M	1110 ♦ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		99.2 ♦ M	18.9 ♦ M	54.9 ♦ M	19.2 ♦ M	27.5 ♦ M	1800 ♦ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 ♦ M	<14 ♦ M	<14 ♦ M	<14 ♦ M	<14 ♦ M	558 ♦ M
Benzo(a)pyrene	<15 µg/kg	TM218		23.3 ♦ M	<15 ♦ M	<15 ♦ M	<15 ♦ M	<15 ♦ M	1150 ♦ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 ♦ M	<18 ♦ M	<18 ♦ M	<18 ♦ M	<18 ♦ M	735 ♦ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 ♦ M	<23 ♦ M	<23 ♦ M	<23 ♦ M	<23 ♦ M	257 ♦ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 ♦ M	<24 ♦ M	<24 ♦ M	<24 ♦ M	<24 ♦ M	901 ♦ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		2860	222	321	644	1920	12700

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	IP1944	IP1944	IP1944	IP1968	IP1968	IP2032
			Depth (m)	0.50	1.50	2.50	0.50	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10917218	10917235	10917250	10918073	10918079	10917168
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		90.5	91.8	91.5	103	99.9	98.1
Acenaphthene-d10 % recovery**	%	TM218		90.9	92.9	93	102	98.2	99.8
Phenanthrene-d10 % recovery**	%	TM218		89.5	92.2	92.9	97.5	95.2	97.7
Chrysene-d12 % recovery**	%	TM218		93.4	97.7	99.8	89.1	91.1	93.8
Perylene-d12 % recovery**	%	TM218		116	107	111	91.8	96.5	107
Naphthalene	<9 µg/kg	TM218		<9 ♦ M	64.4 ♦ M	87.5 ♦ M	13.3 ♦ M	577 ♦ M	94 ♦ M
Acenaphthylene	<12 µg/kg	TM218		<12 ♦ M	<12 ♦ M	<12 ♦ M	<12 ♦ M	<12 ♦ M	25.7 ♦ M
Acenaphthene	<8 µg/kg	TM218		<8 ♦ M	<8 ♦ M	<8 ♦ M	<8 ♦ M	125 ♦ M	55.4 ♦ M
Fluorene	<10 µg/kg	TM218		<10 ♦ M	67.6 ♦ M	80.7 ♦ M	<10 ♦ M	115 ♦ M	66.7 ♦ M
Phenanthrene	<15 µg/kg	TM218		<15 ♦ M	217 ♦ M	227 ♦ M	127 ♦ M	284 ♦ M	761 ♦ M
Anthracene	<16 µg/kg	TM218		<16 ♦ M	25.3 ♦ M	21.5 ♦ M	<16 ♦ M	60.3 ♦ M	144 ♦ M
Fluoranthene	<17 µg/kg	TM218		67.6 ♦ M	20.7 ♦ M	39.2 ♦ M	21.7 ♦ M	36.4 ♦ M	1180 ♦ M
Pyrene	<15 µg/kg	TM218		61.9 ♦ M	20.7 ♦ M	45.7 ♦ M	<15 ♦ M	32.6 ♦ M	977 ♦ M
Benz(a)anthracene	<14 µg/kg	TM218		52.7 ♦ M	23.3 ♦ M	32.4 ♦ M	<14 ♦ M	<14 ♦ M	700 ♦ M
Chrysene	<10 µg/kg	TM218		56.2 ♦ M	68.5 ♦ M	73.2 ♦ M	60.5 ♦ M	48.3 ♦ M	783 ♦ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		105 ♦ M	33.2 ♦ M	52.9 ♦ M	60.3 ♦ M	36.1 ♦ M	1180 ♦ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		31.2 ♦ M	<14 ♦ M	<14 ♦ M	<14 ♦ M	<14 ♦ M	424 ♦ M
Benzo(a)pyrene	<15 µg/kg	TM218		59.1 ♦ M	<15 ♦ M	18.7 ♦ M	<15 ♦ M	<15 ♦ M	706 ♦ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		33.1 ♦ M	<18 ♦ M	<18 ♦ M	<18 ♦ M	<18 ♦ M	446 ♦ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 ♦ M	<23 ♦ M	<23 ♦ M	<23 ♦ M	<23 ♦ M	166 ♦ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		45.2 ♦ M	<24 ♦ M	<24 ♦ M	<24 ♦ M	<24 ♦ M	530 ♦ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		512	540	678	283	1320	8240

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	IP2032	IP2032	IP2033	IP2034	IP2034	IP2081
			Depth (m)	1.50	2.50	0.50	0.50	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10917183	10917200	10917152	10918165	10918171	10918153
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		92.5	93.5	99.5	101	98.6	96.6
Acenaphthene-d10 % recovery**	%	TM218		93	91.7	101	108	96.8	94.4
Phenanthrene-d10 % recovery**	%	TM218		91.3	90.4	97.8	105	93.5	90.2
Chrysene-d12 % recovery**	%	TM218		92.3	90.9	95.6	94.2	85.8	87.7
Perylene-d12 % recovery**	%	TM218		103	102	111	109	89.4	96.1
Naphthalene	<9 µg/kg	TM218		202 ♦ M	187 ♦ M	61.3 ♦ M	10.9 ♦ M	16.7 ♦ M	11.7 ♦ M
Acenaphthylene	<12 µg/kg	TM218		<12 ♦ M	49.4 ♦ M	25.3 ♦ M	<12 ♦ M	<12 ♦ M	<12 ♦ M
Acenaphthene	<8 µg/kg	TM218		172 ♦ M	244 ♦ M	62.5 ♦ M	<8 ♦ M	<8 ♦ M	<8 ♦ M
Fluorene	<10 µg/kg	TM218		349 ♦ M	424 ♦ M	53.5 ♦ M	<10 ♦ M	<10 ♦ M	<10 ♦ M
Phenanthrene	<15 µg/kg	TM218		374 ♦ M	489 ♦ M	805 ♦ M	144 ♦ M	164 ♦ M	137 ♦ M
Anthracene	<16 µg/kg	TM218		115 ♦ M	96 ♦ M	147 ♦ M	<16 ♦ M	<16 ♦ M	<16 ♦ M
Fluoranthene	<17 µg/kg	TM218		122 ♦ M	101 ♦ M	1890 ♦ M	<17 ♦ M	<17 ♦ M	88.9 ♦ M
Pyrene	<15 µg/kg	TM218		159 ♦ M	97.4 ♦ M	1560 ♦ M	<15 ♦ M	<15 ♦ M	63.7 ♦ M
Benz(a)anthracene	<14 µg/kg	TM218		36.3 ♦ M	28 ♦ M	1170 ♦ M	<14 ♦ M	<14 ♦ M	<14 ♦ M
Chrysene	<10 µg/kg	TM218		61.4 ♦ M	54.3 ♦ M	1110 ♦ M	57.3 ♦ M	67.9 ♦ M	83 ♦ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		54.8 ♦ M	48.3 ♦ M	1960 ♦ M	54.7 ♦ M	52.3 ♦ M	74.4 ♦ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		21.2 ♦ M	23.7 ♦ M	650 ♦ M	<14 ♦ M	<14 ♦ M	20.5 ♦ M
Benzo(a)pyrene	<15 µg/kg	TM218		35.7 ♦ M	27.3 ♦ M	1380 ♦ M	<15 ♦ M	<15 ♦ M	31 ♦ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		21.3 ♦ M	<18 ♦ M	920 ♦ M	<18 ♦ M	<18 ♦ M	<18 ♦ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 ♦ M	<23 ♦ M	287 ♦ M	<23 ♦ M	<23 ♦ M	<23 ♦ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 ♦ M	<24 ♦ M	1210 ♦ M	<24 ♦ M	<24 ♦ M	<24 ♦ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		1720	1870	13300	267	301	510

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	IP2081	IP2227	IP2327	IP2327	IP2328	IP2328
			Depth (m)	1.60	0.50	0.50	1.70	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10918160	10917133	10918131	10918137	10918109	10918117
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		100	98.1	95.5	88.6	96.7	111
Acenaphthene-d10 % recovery**	%	TM218		98.3	98.2	93.1	88.5	101	107
Phenanthrene-d10 % recovery**	%	TM218		94.9	95.1	90.8	85	101	101
Chrysene-d12 % recovery**	%	TM218		86.1	89.4	89.7	80.6	102	95.1
Perylene-d12 % recovery**	%	TM218		88.2	96.7	102	90.8	118	110
Naphthalene	<9 µg/kg	TM218		15.2 ♦ M	26.6 ♦ M	10.7 ♦ M	334 ♦ M	103 ♦ M	1050 ♦ M
Acenaphthylene	<12 µg/kg	TM218		<12 ♦ M	<12 ♦ M	<12 ♦ M	<12 ♦ M	103 ♦ M	<12 ♦ M
Acenaphthene	<8 µg/kg	TM218		<8 ♦ M	38.5 ♦ M	21.1 ♦ M	132 ♦ M	120 ♦ M	524 ♦ M
Fluorene	<10 µg/kg	TM218		<10 ♦ M	26.6 ♦ M	<10 ♦ M	784 ♦ M	268 ♦ M	2910 ♦ M
Phenanthrene	<15 µg/kg	TM218		190 ♦ M	525 ♦ M	390 ♦ M	996 ♦ M	1670 ♦ M	3620 ♦ M
Anthracene	<16 µg/kg	TM218		<16 ♦ M	43.9 ♦ M	24.2 ♦ M	235 ♦ M	350 ♦ M	928 ♦ M
Fluoranthene	<17 µg/kg	TM218		<17 ♦ M	502 ♦ M	523 ♦ M	<17 ♦ M	2600 ♦ M	122 ♦ M
Pyrene	<15 µg/kg	TM218		<15 ♦ M	373 ♦ M	392 ♦ M	35.2 ♦ M	2020 ♦ M	173 ♦ M
Benz(a)anthracene	<14 µg/kg	TM218		<14 ♦ M	227 ♦ M	175 ♦ M	<14 ♦ M	1130 ♦ M	<14 ♦ M
Chrysene	<10 µg/kg	TM218		78.8 ♦ M	362 ♦ M	217 ♦ M	46.1 ♦ M	1290 ♦ M	85.5 ♦ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		52.3 ♦ M	419 ♦ M	315 ♦ M	30.2 ♦ M	1940 ♦ M	70.6 ♦ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 ♦ M	122 ♦ M	99.5 ♦ M	<14 ♦ M	700 ♦ M	18.6 ♦ M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 ♦ M	202 ♦ M	199 ♦ M	<15 ♦ M	1310 ♦ M	22.7 ♦ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 ♦ M	122 ♦ M	121 ♦ M	<18 ♦ M	933 ♦ M	<18 ♦ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 ♦ M	53.4 ♦ M	35.1 ♦ M	<23 ♦ M	285 ♦ M	<23 ♦ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 ♦ M	151 ♦ M	149 ♦ M	<24 ♦ M	1120 ♦ M	<24 ♦ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		337	3190	2670	2590	15900	9530

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	IP2745	IP2745	TPE0423	TPE0423	TPE0423	TPE0423
			Depth (m)	0.50	1.70	1.00	2.00	3.00	4.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10918123	10918127	10918002	10918006	10918012	10918016
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		101	97	101	91.7	121	104
Acenaphthene-d10 % recovery**	%	TM218		107	98.5	99.8	90	114	100
Phenanthrene-d10 % recovery**	%	TM218		111	94.8	98.2	86.7	107	95.7
Chrysene-d12 % recovery**	%	TM218		101	91.2	99.5	87.7	93.5	88.9
Perylene-d12 % recovery**	%	TM218		114	101	116	100	98	99.5
Naphthalene	<9 µg/kg	TM218		23.2 ♦ M	165 ♦ M	226 ♦ M	47.2 ♦ M	<45 ♦ M	<9 ♦
Acenaphthylene	<12 µg/kg	TM218		15.8 ♦ M	<12 ♦ M	17.7 ♦ M	21.2 ♦ M	<60 ♦ M	<12 ♦
Acenaphthene	<8 µg/kg	TM218		18.6 ♦ M	140 ♦ M	320 ♦ M	143 ♦ M	<40 ♦ M	<8 ♦
Fluorene	<10 µg/kg	TM218		18.6 ♦ M	393 ♦ M	357 ♦ M	183 ♦ M	<50 ♦ M	<10 ♦
Phenanthrene	<15 µg/kg	TM218		521 ♦ M	626 ♦ M	3540 ♦ M	1540 ♦ M	<75 ♦ M	63.7 ♦
Anthracene	<16 µg/kg	TM218		43 ♦ M	108 ♦ M	847 ♦ M	469 ♦ M	<80 ♦ M	<16 ♦
Fluoranthene	<17 µg/kg	TM218		640 ♦ M	<17 ♦ M	7750 ♦ M	3950 ♦ M	<85 ♦ M	<17 ♦
Pyrene	<15 µg/kg	TM218		484 ♦ M	<15 ♦ M	5420 ♦ M	2640 ♦ M	<75 ♦ M	<15 ♦
Benz(a)anthracene	<14 µg/kg	TM218		275 ♦ M	<14 ♦ M	6510 ♦ M	2460 ♦ M	<70 ♦ M	<14 ♦
Chrysene	<10 µg/kg	TM218		395 ♦ M	58.5 ♦ M	5150 ♦ M	2830 ♦ M	<50 ♦ M	<10 ♦
Benzo(b)fluoranthene	<15 µg/kg	TM218		573 ♦ M	51.2 ♦ M	9230 ♦ M	2970 ♦ M	<75 ♦ M	<15 ♦
Benzo(k)fluoranthene	<14 µg/kg	TM218		170 ♦ M	<14 ♦ M	3410 ♦ M	1100 ♦ M	<70 ♦ M	<14 ♦
Benzo(a)pyrene	<15 µg/kg	TM218		320 ♦ M	<15 ♦ M	6490 ♦ M	1820 ♦ M	<75 ♦ M	<15 ♦
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		196 ♦ M	<18 ♦ M	3690 ♦ M	915 ♦ M	<90 ♦ M	<18 ♦
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		73.4 ♦ M	<23 ♦ M	1690 ♦ M	415 ♦ M	<115 ♦ M	<23 ♦
Benzo(g,h,i)perylene	<24 µg/kg	TM218		267 ♦ M	<24 ♦ M	3920 ♦ M	953 ♦ M	<120 ♦ M	<24 ♦
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		4030	1540	58600	22400	<590	<118

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	TPE0578	TPE0578	TPE0578	TPE0578	TPE0578	TPE0651
			Depth (m)	0.50	1.50	2.50	3.50	4.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10917844	10917858	10917868	10917878	10917885	10917926
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		98.9	94.5	109	231	115	100
Acenaphthene-d10 % recovery**	%	TM218		102	96.7	112	236	118	99
Phenanthrene-d10 % recovery**	%	TM218		100	94.1	94.9	205	104	96.8
Chrysene-d12 % recovery**	%	TM218		98	93.6	69.2	165	88.5	97.3
Perylene-d12 % recovery**	%	TM218		125	102	63.6	143	80.2	113
Naphthalene	<9 µg/kg	TM218		2070 ♦ M	1140 ♦	278 ♦	153 ♦	177 ♦	88.4 ♦ M
Acenaphthylene	<12 µg/kg	TM218		<120 ♦ M	276 ♦	45.3 ♦	23.6 ♦	46.1 ♦	13.6 ♦ M
Acenaphthene	<8 µg/kg	TM218		3140 ♦ M	1130 ♦	27.3 ♦	63.4 ♦	83.8 ♦	15.5 ♦ M
Fluorene	<10 µg/kg	TM218		3700 ♦ M	1480 ♦	43.9 ♦	120 ♦	167 ♦	33.7 ♦ M
Phenanthrene	<15 µg/kg	TM218		8670 ♦ M	3940 ♦	293 ♦	478 ♦	572 ♦	198 ♦ M
Anthracene	<16 µg/kg	TM218		3560 ♦ M	1950 ♦	34.1 ♦	130 ♦	135 ♦	30.1 ♦ M
Fluoranthene	<17 µg/kg	TM218		2060 ♦ M	1610 ♦	125 ♦	153 ♦	174 ♦	152 ♦ M
Pyrene	<15 µg/kg	TM218		7370 ♦ M	4100 ♦	159 ♦	345 ♦	344 ♦	163 ♦ M
Benz(a)anthracene	<14 µg/kg	TM218		3640 ♦ M	1650 ♦	65.6 ♦	105 ♦	140 ♦	121 ♦ M
Chrysene	<10 µg/kg	TM218		4430 ♦ M	3010 ♦	171 ♦	257 ♦	241 ♦	182 ♦ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		2620 ♦ M	1020 ♦	73.7 ♦	108 ♦	128 ♦	302 ♦ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<140 ♦ M	377 ♦	22 ♦	29.1 ♦	40.4 ♦	91.3 ♦ M
Benzo(a)pyrene	<15 µg/kg	TM218		3130 ♦ M	1500 ♦	40.1 ♦	79.2 ♦	111 ♦	194 ♦ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		485 ♦ M	404 ♦	<18 ♦	24.8 ♦	25.9 ♦	143 ♦ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		697 ♦ M	371 ♦	<23 ♦	<23 ♦	32.4 ♦	62.8 ♦ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		1500 ♦ M	774 ♦	<24 ♦	43.1 ♦	54.4 ♦	233 ♦ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		47100	24700	1380	2110	2470	2020

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	TPE0651	TPE0651	TPE0651	TPE0651	TPE0674	TPE0674
			Depth (m)	1.50	2.50	3.50	4.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10917931	10917937	10917794	10917827	10917969	10917977
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		106	92.5	108	97	103	103
Acenaphthene-d10 % recovery**	%	TM218		106	93.7	111	99.3	102	103
Phenanthrene-d10 % recovery**	%	TM218		91.4	75.7	96.4	89	100	96
Chrysene-d12 % recovery**	%	TM218		68.7	44.6	74.6	73.7	100	82.8
Perylene-d12 % recovery**	%	TM218		63	30.9	64.5	63.7	112	79.6
Naphthalene	<9 µg/kg	TM218		210 ♦ M	126 ♦ #	123 ♦	103 ♦	37.4 ♦ M	139 ♦ M
Acenaphthylene	<12 µg/kg	TM218		46.7 ♦ M	<12 ♦ #	25.1 ♦	17.8 ♦	21.4 ♦ M	24.2 ♦ M
Acenaphthene	<8 µg/kg	TM218		<8 ♦ M	<8 ♦ #	18.9 ♦	22.2 ♦	23.1 ♦ M	21.7 ♦ M
Fluorene	<10 µg/kg	TM218		19.5 ♦ M	<10 ♦ #	22.1 ♦	25.1 ♦	22.4 ♦ M	12.2 ♦ M
Phenanthrene	<15 µg/kg	TM218		251 ♦ M	78.2 ♦ #	213 ♦	212 ♦	235 ♦ M	206 ♦ M
Anthracene	<16 µg/kg	TM218		40.8 ♦ M	<16 ♦ #	37.4 ♦	38 ♦	55.5 ♦ M	42.8 ♦ M
Fluoranthene	<17 µg/kg	TM218		256 ♦ M	<17 ♦ #	213 ♦	231 ♦	403 ♦ M	250 ♦ M
Pyrene	<15 µg/kg	TM218		196 ♦ M	<15 ♦ #	193 ♦	198 ♦	345 ♦ M	191 ♦ M
Benz(a)anthracene	<14 µg/kg	TM218		99.5 ♦ M	<14 ♦ #	88.9 ♦	109 ♦	288 ♦ M	121 ♦ M
Chrysene	<10 µg/kg	TM218		130 ♦ M	<10 ♦ #	157 ♦	179 ♦	333 ♦ M	157 ♦ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		159 ♦ M	<15 ♦ #	112 ♦	134 ♦	635 ♦ M	175 ♦ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 ♦ M	<14 ♦ #	38.2 ♦	52.8 ♦	230 ♦ M	67 ♦ M
Benzo(a)pyrene	<15 µg/kg	TM218		64.6 ♦ M	<15 ♦ #	79.4 ♦	107 ♦	394 ♦ M	91.9 ♦ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 ♦ M	<18 ♦ #	38.8 ♦	46.7 ♦	304 ♦ M	49.2 ♦ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 ♦ M	<23 ♦ #	<23 ♦	<23 ♦	107 ♦ M	<23 ♦ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		43.3 ♦ M	<24 ♦ #	57.5 ♦	65.9 ♦	398 ♦ M	63.7 ♦ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		1520	205	1420	1540	3830	1610

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	TPE0762	TPE0847	TPE853	TPE853	TPE853	TPE0903
			Depth (m)	0.50	0.50	0.50	1.50	2.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10917052	10917324	10918057	10918063	10918068	10917264
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		95.5	94	99.4	90.7	94.8	98.5
Acenaphthene-d10 % recovery**	%	TM218		97.3	94.9	97.8	88.6	94.3	98.2
Phenanthrene-d10 % recovery**	%	TM218		94	91.7	94.5	85.4	92.5	95.1
Chrysene-d12 % recovery**	%	TM218		88.7	89.7	86.3	80.4	92.8	90.1
Perylene-d12 % recovery**	%	TM218		102	99.7	89.6	89.5	111	102
Naphthalene	<9 µg/kg	TM218		13.3 ♦ M	67.5 ♦ M	22.6 ♦ M	<9 ♦ M	<9 ♦ M	<9 ♦ M
Acenaphthylene	<12 µg/kg	TM218		<12 ♦ M	47 ♦ M	<12 ♦ M	<12 ♦ M	<12 ♦ M	<12 ♦ M
Acenaphthene	<8 µg/kg	TM218		<8 ♦ M	364 ♦ M	<8 ♦ M	<8 ♦ M	<8 ♦ M	<8 ♦ M
Fluorene	<10 µg/kg	TM218		<10 ♦ M	359 ♦ M	<10 ♦ M	<10 ♦ M	169 ♦ M	<10 ♦ M
Phenanthrene	<15 µg/kg	TM218		112 ♦ M	5890 ♦ M	81.3 ♦ M	<15 ♦ M	384 ♦ M	141 ♦ M
Anthracene	<16 µg/kg	TM218		<16 ♦ M	609 ♦ M	<16 ♦ M	<16 ♦ M	122 ♦ M	<16 ♦ M
Fluoranthene	<17 µg/kg	TM218		50.7 ♦ M	8690 ♦ M	<17 ♦ M	<17 ♦ M	<17 ♦ M	<17 ♦ M
Pyrene	<15 µg/kg	TM218		37.9 ♦ M	5970 ♦ M	<15 ♦ M	<15 ♦ M	<15 ♦ M	<15 ♦ M
Benz(a)anthracene	<14 µg/kg	TM218		<14 ♦ M	3430 ♦ M	<14 ♦ M	<14 ♦ M	<14 ♦ M	<14 ♦ M
Chrysene	<10 µg/kg	TM218		57.4 ♦ M	3600 ♦ M	39.1 ♦ M	<10 ♦ M	37.1 ♦ M	57.4 ♦ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		75.3 ♦ M	4350 ♦ M	34.8 ♦ M	<15 ♦ M	31.8 ♦ M	46.3 ♦ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 ♦ M	1530 ♦ M	<14 ♦ M	<14 ♦ M	<14 ♦ M	<14 ♦ M
Benzo(a)pyrene	<15 µg/kg	TM218		30.3 ♦ M	2730 ♦ M	<15 ♦ M	<15 ♦ M	<15 ♦ M	<15 ♦ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		26.6 ♦ M	1450 ♦ M	<18 ♦ M	<18 ♦ M	<18 ♦ M	<18 ♦ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 ♦ M	460 ♦ M	<23 ♦ M	<23 ♦ M	<23 ♦ M	<23 ♦ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		41.7 ♦ M	1610 ♦ M	<24 ♦ M	<24 ♦ M	<24 ♦ M	<24 ♦ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		445	41200	178	<118	744	245

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	TPE0903	TPE0957	TPE1079	TPE1660	TPE1660	TPE1660
			Depth (m)	1.50	0.50	0.50	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10917279	10917108	10918142	10917391	10917407	10917427
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		94	91.4	112	90.2	91.7	94.1
Acenaphthene-d10 % recovery**	%	TM218		93	90.8	109	90	92.8	95.6
Phenanthrene-d10 % recovery**	%	TM218		90.8	89.7	99.1	88.3	90.3	94.8
Chrysene-d12 % recovery**	%	TM218		88.4	92.1	77.8	89.5	88.5	100
Perylene-d12 % recovery**	%	TM218		93.4	113	96.2	109	98.9	112
Naphthalene	<9 µg/kg	TM218		<9 ♦ M	16.2 ♦ M	162 ♦ M	24 ♦ M	<9 ♦ M	20 ♦ M
Acenaphthylene	<12 µg/kg	TM218		<12 ♦ M	<12 ♦ M	223 ♦ M	<12 ♦ M	<12 ♦ M	<12 ♦ M
Acenaphthene	<8 µg/kg	TM218		<8 ♦ M	<8 ♦ M	165 ♦ M	<8 ♦ M	<8 ♦ M	<8 ♦ M
Fluorene	<10 µg/kg	TM218		<10 ♦ M	<10 ♦ M	164 ♦ M	<10 ♦ M	<10 ♦ M	<10 ♦ M
Phenanthrene	<15 µg/kg	TM218		64.8 ♦ M	<15 ♦ M	585 ♦ M	127 ♦ M	47.7 ♦ M	101 ♦ M
Anthracene	<16 µg/kg	TM218		<16 ♦ M	<16 ♦ M	202 ♦ M	<16 ♦ M	<16 ♦ M	19.9 ♦ M
Fluoranthene	<17 µg/kg	TM218		<17 ♦ M	61.6 ♦ M	551 ♦ M	94.9 ♦ M	31.3 ♦ M	67.5 ♦ M
Pyrene	<15 µg/kg	TM218		<15 ♦ M	49.9 ♦ M	1560 ♦ M	81.6 ♦ M	22.4 ♦ M	58.4 ♦ M
Benz(a)anthracene	<14 µg/kg	TM218		<14 ♦ M	<14 ♦ M	289 ♦ M	65.1 ♦ M	17.6 ♦ M	40.8 ♦ M
Chrysene	<10 µg/kg	TM218		<10 ♦ M	83.7 ♦ M	347 ♦ M	113 ♦ M	27.8 ♦ M	66.1 ♦ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		27.6 ♦ M	138 ♦ M	1060 ♦ M	168 ♦ M	31.4 ♦ M	86.5 ♦ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 ♦ M	31.4 ♦ M	322 ♦ M	52.5 ♦ M	<14 ♦ M	27.2 ♦ M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 ♦ M	48 ♦ M	730 ♦ M	88.8 ♦ M	19.4 ♦ M	56.3 ♦ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 ♦ M	40.7 ♦ M	460 ♦ M	57.8 ♦ M	<18 ♦ M	40.5 ♦ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 ♦ M	<23 ♦ M	202 ♦ M	<23 ♦ M	<23 ♦ M	<23 ♦ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 ♦ M	50.8 ♦ M	676 ♦ M	69.8 ♦ M	<24 ♦ M	49.2 ♦ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		<118	520	7690	943	198	633

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	TPE1661	TPE1661	TPE1691	TPE1691	TPE1691	TPE1708
			Depth (m)	0.50	1.50	0.50	1.50	2.50	0.70
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10917448	10917462	10917073	10917083	10917094	10917504
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		89.2	92	103	92.8	94.4	106
Acenaphthene-d10 % recovery**	%	TM218		88.9	92.4	103	91.6	96.4	104
Phenanthrene-d10 % recovery**	%	TM218		88.8	90.6	100	89.7	95.5	101
Chrysene-d12 % recovery**	%	TM218		93.8	89.1	94.7	90.5	101	96.3
Perylene-d12 % recovery**	%	TM218		111	97.8	108	97.8	113	106
Naphthalene	<9 µg/kg	TM218		41.2 ♦ M	14.2 ♦ M	16.4 ♦ M	67.4 ♦ M	<9 ♦ M	27.3 ♦ M
Acenaphthylene	<12 µg/kg	TM218		20.4 ♦ M	<12 ♦ M	<12 ♦ M	<12 ♦ M	<12 ♦ M	<12 ♦ M
Acenaphthene	<8 µg/kg	TM218		381 ♦ M	12.8 ♦ M	<8 ♦ M	30.4 ♦ M	<8 ♦ M	<8 ♦ M
Fluorene	<10 µg/kg	TM218		156 ♦ M	<10 ♦ M	<10 ♦ M	70.7 ♦ M	<10 ♦ M	<10 ♦ M
Phenanthrene	<15 µg/kg	TM218		6280 ♦ M	196 ♦ M	106 ♦ M	334 ♦ M	25.3 ♦ M	91.4 ♦ M
Anthracene	<16 µg/kg	TM218		1080 ♦ M	35 ♦ M	<16 ♦ M	61.5 ♦ M	<16 ♦ M	<16 ♦ M
Fluoranthene	<17 µg/kg	TM218		21100 ♦ M	308 ♦ M	87.8 ♦ M	452 ♦ M	<17 ♦ M	69.7 ♦ M
Pyrene	<15 µg/kg	TM218		17300 ♦ M	252 ♦ M	66.5 ♦ M	321 ♦ M	<15 ♦ M	49.9 ♦ M
Benz(a)anthracene	<14 µg/kg	TM218		11100 ♦ M	152 ♦ M	44.7 ♦ M	167 ♦ M	25.6 ♦ M	29.5 ♦ M
Chrysene	<10 µg/kg	TM218		9260 ♦ M	166 ♦ M	84.1 ♦ M	212 ♦ M	<10 ♦ M	55.3 ♦ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		14800 ♦ M	194 ♦ M	117 ♦ M	233 ♦ M	<15 ♦ M	83.2 ♦ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		5450 ♦ M	89.7 ♦ M	28.5 ♦ M	88.8 ♦ M	<14 ♦ M	27.3 ♦ M
Benzo(a)pyrene	<15 µg/kg	TM218		11200 ♦ M	153 ♦ M	45.7 ♦ M	174 ♦ M	<15 ♦ M	35 ♦ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		5180 ♦ M	83.8 ♦ M	30 ♦ M	117 ♦ M	<18 ♦ M	28.5 ♦ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		1720 ♦ M	31.6 ♦ M	<23 ♦ M	<23 ♦ M	<23 ♦ M	<23 ♦ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		5920 ♦ M	106 ♦ M	36.2 ♦ M	155 ♦ M	<24 ♦ M	35.4 ♦ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		111000	1790	663	2480	<118	532

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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)

Customer Sample R	TPE1708
Depth (m)	1.70
Sample Type	Soil/Solid
Date Sampled	25/02/2015
Sample Time	.
Date Received	27/02/2015
SDG Ref	150227-71
Lab Sample No.(s)	10917523
AGS Reference	

Component	LOD/Units	Method	
Naphthalene-d8 % recovery**	%	TM218	92
Acenaphthene-d10 % recovery**	%	TM218	93.6
Phenanthrene-d10 % recovery**	%	TM218	93.2
Chrysene-d12 % recovery**	%	TM218	99.8
Perylene-d12 % recovery**	%	TM218	111
Naphthalene	<9 µg/kg	TM218	61.2 ♦ M
Acenaphthylene	<12 µg/kg	TM218	<12 ♦ M
Acenaphthene	<8 µg/kg	TM218	<8 ♦ M
Fluorene	<10 µg/kg	TM218	<10 ♦ M
Phenanthrene	<15 µg/kg	TM218	27.1 ♦ M
Anthracene	<16 µg/kg	TM218	<16 ♦ M
Fluoranthene	<17 µg/kg	TM218	<17 ♦ M
Pyrene	<15 µg/kg	TM218	<15 ♦ M
Benz(a)anthracene	<14 µg/kg	TM218	<14 ♦ M
Chrysene	<10 µg/kg	TM218	<10 ♦ M
Benzo(b)fluoranthene	<15 µg/kg	TM218	<15 ♦ M
Benzo(k)fluoranthene	<14 µg/kg	TM218	<14 ♦ M
Benzo(a)pyrene	<15 µg/kg	TM218	<15 ♦ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218	<18 ♦ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218	<23 ♦ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218	<24 ♦ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218	<118

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	IP0062	IP0062	IP0068	IP0068	IP0068	IP0068
			Depth (m)	0.50	1.50	1.00	2.50	3.50	4.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10918021	10918026	10918035	10918041	10918048	10918052
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		141 ♦	101 ♦	71 ♦	88 ♦	94 ♦	106 ♦
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 ♦ M	<176 ♦ M	7680 ♦ M	4330 ♦ M	625 ♦ M	<176 ♦ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 ♦ M	<20 ♦ M	<20 ♦ M	<20 ♦ M	<20 ♦ M	<20 ♦ M
Benzene	<10 µg/kg	TM089		<40 ♦ M	<40 ♦ M	<40 ♦ M	<40 ♦ M	<40 ♦ M	<40 ♦ M
Toluene	<2 µg/kg	TM089		<8 ♦ M	<8 ♦ M	<8 ♦ M	<8 ♦ M	<8 ♦ M	<8 ♦ M
Ethylbenzene	<3 µg/kg	TM089		<12 ♦ M	<12 ♦ M	20.7 ♦ 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	95.5 ♦ M	<12 ♦ M	<12 ♦ M	<12 ♦ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 ♦	<9 ♦	95.5 ♦	<9 ♦	<9 ♦	<9 ♦
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 ♦	<24 ♦	116 ♦	<24 ♦	<24 ♦	<24 ♦
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 ♦	<40 ♦	219 ♦	70.8 ♦	<40 ♦	<40 ♦
Aliphatics >C8-C10	<10 µg/kg	TM089		<40 ♦	<40 ♦	1320 ♦	512 ♦	74.2 ♦	<40 ♦
Aliphatics >C10-C12	<10 µg/kg	TM089		<40 ♦	<40 ♦	3070 ♦	2030 ♦	273 ♦	<40 ♦
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	160	69000	9010	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	625	98700	16400	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		576	2730	123000	40600	<100	5470
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	448	22800	10400	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		576	3970	313000	76400	<100	5470
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 ♦	994 ♦	341 ♦	49.9 ♦	<40 ♦
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40 ♦	<40 ♦	2050 ♦	1350 ♦	182 ♦	<40 ♦
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	4550	1320	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		1210	<100	22700	8360	<100	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		6400	<100	69100	45800	2880	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173		2320	<100	22300	20400	<100	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		841	<100	8790	8060	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		9930	<100	119000	75900	2880	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		10500	3970	440000	157000	3500	5470

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	IP1095	IP1095	IP1095	IP1096	IP1096	IP1096
			Depth (m)	0.50	1.50	2.50	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10916977	10917639	10917815	10917918	10917973	10918030
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		57 ♦	56 ♦	73 ♦	76 ♦	64 ♦	54 ♦
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 ♦ #	<176 ♦ #	<176 ♦ #	<176 ♦ M	<176 ♦ M	<176 ♦ #
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 ♦ #	<20 ♦ #	<20 ♦ #	<20 ♦ M	<20 ♦ M	<20 ♦ #
Benzene	<10 µg/kg	TM089		<40 ♦ #	<40 ♦ #	<40 ♦ #	<40 ♦ M	<40 ♦ M	<40 ♦ #
Toluene	<2 µg/kg	TM089		<8 ♦ #	<8 ♦ #	<8 ♦ #	<8 ♦ M	<8 ♦ M	<8 ♦ #
Ethylbenzene	<3 µg/kg	TM089		<12 ♦ #	<12 ♦ #	<12 ♦ #	<12 ♦ M	<12 ♦ M	<12 ♦ #
m,p-Xylene	<6 µg/kg	TM089		<24 ♦ #	<24 ♦ #	<24 ♦ #	<24 ♦ M	<24 ♦ M	<24 ♦ #
o-Xylene	<3 µg/kg	TM089		<12 ♦ #	<12 ♦ #	<12 ♦ #	<12 ♦ M	<12 ♦ M	<12 ♦ #
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 ♦	<9 ♦	<9 ♦	<9 ♦	<9 ♦	<9 ♦
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 ♦	<24 ♦	<24 ♦	<24 ♦	<24 ♦	<24 ♦
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦
Aliphatics >C8-C10	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦
Aliphatics >C10-C12	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦
Aliphatics >C12-C16	<100 µg/kg	TM173		3140	2990	8380	539	3150	2900
Aliphatics >C16-C21	<100 µg/kg	TM173		26200	6330	33600	10100	20600	19100
Aliphatics >C21-C35	<100 µg/kg	TM173		117000	28100	61000	59500	102000	113000
Aliphatics >C35-C44	<100 µg/kg	TM173		38300	11100	39200	20500	41900	38500
Total Aliphatics >C12-C44	<100 µg/kg	TM173		185000	48500	142000	90700	168000	174000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦
Aromatics >EC12-EC16	<100 µg/kg	TM173		2410	178	1150	1530	<100	422
Aromatics >EC16-EC21	<100 µg/kg	TM173		22300	1060	13000	10300	6470	6590
Aromatics >EC21-EC35	<100 µg/kg	TM173		162000	19600	81400	92900	75000	69700
Aromatics >EC35-EC44	<100 µg/kg	TM173		75500	26300	87600	55600	48400	63700
Aromatics >EC40-EC44	<100 µg/kg	TM173		27000	10700	42000	22800	19300	20100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		263000	47100	183000	160000	130000	140000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		447000	95600	325000	251000	298000	314000

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	IP1096	IP1203	IP1203	IP1209	IP1209	IP1209
			Depth (m)	3.40	0.50	1.50	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10918090	10918146	10918217	10916986	10917120	10917291
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		61 ♦	84 ♦	61 ♦	93 ♦	54 ♦	57 ♦
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 ♦ #	<176 ♦ M	<176 ♦ #	<176 ♦ M	<176 ♦ #	273 ♦ #
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 ♦ #	<20 ♦ M	<20 ♦ #	<20 ♦ M	<20 ♦ #	<20 ♦ #
Benzene	<10 µg/kg	TM089		<40 ♦ #	<40 ♦ M	<40 ♦ #	<40 ♦ M	<40 ♦ #	<40 ♦ #
Toluene	<2 µg/kg	TM089		<8 ♦ #	<8 ♦ M	<8 ♦ #	<8 ♦ M	<8 ♦ #	<8 ♦ #
Ethylbenzene	<3 µg/kg	TM089		<12 ♦ #	<12 ♦ M	<12 ♦ #	<12 ♦ M	<12 ♦ #	<12 ♦ #
m,p-Xylene	<6 µg/kg	TM089		<24 ♦ #	<24 ♦ M	<24 ♦ #	<24 ♦ M	<24 ♦ #	<24 ♦ #
o-Xylene	<3 µg/kg	TM089		<12 ♦ #	<12 ♦ M	<12 ♦ #	<12 ♦ M	<12 ♦ #	<12 ♦ #
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 ♦	<9 ♦	<9 ♦	<9 ♦	<9 ♦	<9 ♦
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 ♦	<24 ♦	<24 ♦	<24 ♦	<24 ♦	<24 ♦
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦
Aliphatics >C8-C10	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	52.9 ♦
Aliphatics >C10-C12	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	89.5 ♦
Aliphatics >C12-C16	<100 µg/kg	TM173		6860	4240	10100	7620	5930	5810
Aliphatics >C16-C21	<100 µg/kg	TM173		3900	34000	22100	23700	13300	15800
Aliphatics >C21-C35	<100 µg/kg	TM173		18400	171000	114000	60300	28300	56000
Aliphatics >C35-C44	<100 µg/kg	TM173		6770	49400	172000	18600	6720	10100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		35900	259000	318000	110000	54200	87700
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	60.5 ♦
Aromatics >EC12-EC16	<100 µg/kg	TM173		1950	3990	2550	2200	788	837
Aromatics >EC16-EC21	<100 µg/kg	TM173		200	50400	4660	10500	2000	3660
Aromatics >EC21-EC35	<100 µg/kg	TM173		13200	255000	139000	59200	16500	32600
Aromatics >EC35-EC44	<100 µg/kg	TM173		7660	127000	314000	44300	11100	17700
Aromatics >EC40-EC44	<100 µg/kg	TM173		2880	34400	152000	14200	5390	7770
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		23000	437000	460000	116000	30400	54800
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		58900	696000	778000	227000	84600	143000

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	IP1209	IP1210	IP1210	IP1210	IP1210	IP1210
			Depth (m)	3.50	0.50	1.50	2.60	3.40	4.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10917485	10917544	10917672	10917686	10917706	10917721
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		51 ♦	42 2	51 ♦	51 ♦	44 ♦	49 ♦
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		479 ♦ #	22900 2 M	284 ♦ #	364 ♦ #	324 ♦ M	<176 ♦ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 ♦ #	<100 2 M	<20 ♦ #	<20 ♦ #	<20 ♦ M	<20 ♦ M
Benzene	<10 µg/kg	TM089		<40 ♦ #	<200 2 M	<40 ♦ #	<40 ♦ #	<40 ♦ M	<40 ♦ M
Toluene	<2 µg/kg	TM089		<8 ♦ #	80.2 2 M	<8 ♦ #	<8 ♦ #	<8 ♦ M	<8 ♦ M
Ethylbenzene	<3 µg/kg	TM089		<12 ♦ #	<60 2 M	<12 ♦ #	<12 ♦ #	<12 ♦ M	<12 ♦ M
m,p-Xylene	<6 µg/kg	TM089		<24 ♦ #	<120 2 M	<24 ♦ #	<24 ♦ #	<24 ♦ M	<24 ♦ M
o-Xylene	<3 µg/kg	TM089		<12 ♦ #	<60 2 M	<12 ♦ #	<12 ♦ #	<12 ♦ M	<12 ♦ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 ♦	<9 2	<9 ♦	<9 ♦	<9 ♦	<9 ♦
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 ♦	80.2 2	<24 ♦	<24 ♦	<24 ♦	<24 ♦
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 ♦	<200 2	<40 ♦	<40 ♦	<40 ♦	<40 ♦
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 ♦	289 2	<40 ♦	<40 ♦	54.6 ♦	<40 ♦
Aliphatics >C8-C10	<10 µg/kg	TM089		79.4 ♦	1710 2	53.7 ♦	49.2 ♦	71.1 ♦	<40 ♦
Aliphatics >C10-C12	<10 µg/kg	TM089		168 ♦	11600 2	84.2 ♦	135 ♦	64.8 ♦	<40 ♦
Aliphatics >C12-C16	<100 µg/kg	TM173		9630	289000	8660	7370	13700	5200
Aliphatics >C16-C21	<100 µg/kg	TM173		17500	714000	26000	15200	34100	9970
Aliphatics >C21-C35	<100 µg/kg	TM173		51600	1180000	130000	99000	155000	91100
Aliphatics >C35-C44	<100 µg/kg	TM173		20300	370000	53600	176000	158000	297000
Total Aliphatics >C12-C44	<100 µg/kg	TM173		99000	2560000	218000	298000	361000	403000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 ♦	<200 2	<40 ♦	<40 ♦	<40 ♦	<40 ♦
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 ♦	<200 2	<40 ♦	<40 ♦	<40 ♦	<40 ♦
Aromatics >EC8-EC10	<10 µg/kg	TM089		57.6 ♦	1270 2	43.9 ♦	<40 ♦	57.2 ♦	<40 ♦
Aromatics >EC10-EC12	<10 µg/kg	TM089		111 ♦	7740 2	56.1 ♦	89.8 ♦	43.2 ♦	<40 ♦
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	89000	3050	1450	1480	1450
Aromatics >EC16-EC21	<100 µg/kg	TM173		4150	413000	10900	5370	7480	3180
Aromatics >EC21-EC35	<100 µg/kg	TM173		34100	1180000	99000	64400	78000	46000
Aromatics >EC35-EC44	<100 µg/kg	TM173		22600	515000	70700	135000	92800	177000
Aromatics >EC40-EC44	<100 µg/kg	TM173		9450	225000	32800	78300	47900	107000
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		60900	2200000	184000	206000	180000	228000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		160000	4780000	402000	504000	541000	630000

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	IP1312	IP1312	IP1312	IP1312	IP1312	IP1318
			Depth (m)	0.50	1.50	2.50	3.50	4.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10917740	10917754	10917768	10917778	10917559	10917577
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		67 ♦	65 ♦	44 ♦	57 ♦	38 ♦	54 ♦
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 ♦ M	<176 ♦ #	<176 ♦ #	234 ♦ #	<176 ♦ #	<176 ♦ #
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 ♦ M	<20 ♦ #	<20 ♦ #	<20 ♦ #	<20 ♦ #	<20 ♦ #
Benzene	<10 µg/kg	TM089		<40 ♦ M	<40 ♦ #	<40 ♦ #	<40 ♦ #	<40 ♦ #	<40 ♦ #
Toluene	<2 µg/kg	TM089		<8 ♦ M	<8 ♦ #	<8 ♦ #	<8 ♦ #	<8 ♦ #	<8 ♦ #
Ethylbenzene	<3 µg/kg	TM089		<12 ♦ M	<12 ♦ #	<12 ♦ #	<12 ♦ #	<12 ♦ #	<12 ♦ #
m,p-Xylene	<6 µg/kg	TM089		<24 ♦ M	<24 ♦ #	<24 ♦ #	<24 ♦ #	<24 ♦ #	<24 ♦ #
o-Xylene	<3 µg/kg	TM089		<12 ♦ M	<12 ♦ #	<12 ♦ #	<12 ♦ #	<12 ♦ #	<12 ♦ #
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 ♦	<9 ♦	<9 ♦	<9 ♦	<9 ♦	<9 ♦
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 ♦	<24 ♦	<24 ♦	<24 ♦	<24 ♦	<24 ♦
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	48.8 ♦	<40 ♦	<40 ♦
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	63.4 ♦	<40 ♦	<40 ♦
Aliphatics >C8-C10	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦
Aliphatics >C10-C12	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦
Aliphatics >C12-C16	<100 µg/kg	TM173		11800	14200	4770	17700	12300	6580
Aliphatics >C16-C21	<100 µg/kg	TM173		175000	73800	16000	90300	61200	6000
Aliphatics >C21-C35	<100 µg/kg	TM173		1010000	356000	112000	246000	187000	55500
Aliphatics >C35-C44	<100 µg/kg	TM173		204000	174000	83000	106000	77100	44000
Total Aliphatics >C12-C44	<100 µg/kg	TM173		1400000	618000	216000	460000	338000	112000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦
Aromatics >EC12-EC16	<100 µg/kg	TM173		2500	<100	1820	5900	4620	1630
Aromatics >EC16-EC21	<100 µg/kg	TM173		35600	12900	3440	53300	37300	3620
Aromatics >EC21-EC35	<100 µg/kg	TM173		491000	243000	61700	271000	238000	31300
Aromatics >EC35-EC44	<100 µg/kg	TM173		252000	220000	63100	121000	107000	22400
Aromatics >EC40-EC44	<100 µg/kg	TM173		105000	78600	25300	56400	46600	9540
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		781000	476000	130000	451000	386000	58900
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		2180000	1090000	346000	911000	724000	171000

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	IP1318	IP1318	IP1318	IP1318	IP1319	IP1319
			Depth (m)	1.50	2.50	3.50	4.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10917589	10917605	10917621	10917658	10917941	10917945
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		70 ♦	79 ♦	49 ♦	34 ♦	37 ♦	24 ♦
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		30000 ♦ #	<880 ♦ #	5180 ♦ #	43400 ♦ #	1260 ♦ M	29200 ♦ #
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 ♦ #	<100 ♦ #	<20 ♦ #	<20 ♦ #	<20 ♦ M	<20 ♦ #
Benzene	<10 µg/kg	TM089		<40 ♦ #	<200 ♦ #	<40 ♦ #	<40 ♦ #	<40 ♦ M	<40 ♦ #
Toluene	<2 µg/kg	TM089		<8 ♦ #	<40 ♦ #	<8 ♦ #	<8 ♦ #	13.4 ♦ M	<8 ♦ #
Ethylbenzene	<3 µg/kg	TM089		<12 ♦ #	<60 ♦ #	<12 ♦ #	<12 ♦ #	<12 ♦ M	<12 ♦ #
m,p-Xylene	<6 µg/kg	TM089		<24 ♦ #	<120 ♦ #	<24 ♦ #	<24 ♦ #	<24 ♦ M	<24 ♦ #
o-Xylene	<3 µg/kg	TM089		<12 ♦ #	<60 ♦ #	<12 ♦ #	<12 ♦ #	<12 ♦ M	<12 ♦ #
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 ♦	<9 ♦	<9 ♦	<9 ♦	<9 ♦	<9 ♦
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 ♦	<24 ♦	<24 ♦	<24 ♦	<24 ♦	<24 ♦
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 ♦	<200 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦
Aliphatics >C6-C8	<10 µg/kg	TM089		461 ♦	<200 ♦	50 ♦	559 ♦	84.2 ♦	403 ♦
Aliphatics >C8-C10	<10 µg/kg	TM089		4190 ♦	<200 ♦	396 ♦	6580 ♦	224 ♦	5690 ♦
Aliphatics >C10-C12	<10 µg/kg	TM089		13500 ♦	<200 ♦	2650 ♦	19100 ♦	450 ♦	11600 ♦
Aliphatics >C12-C16	<100 µg/kg	TM173		197000	15800	2650	72600	23500	903000
Aliphatics >C16-C21	<100 µg/kg	TM173		321000	28000	5860	423000	139000	1800000
Aliphatics >C21-C35	<100 µg/kg	TM173		881000	247000	88100	4070000	980000	4860000
Aliphatics >C35-C44	<100 µg/kg	TM173		375000	109000	48400	770000	192000	1830000
Total Aliphatics >C12-C44	<100 µg/kg	TM173		1770000	400000	145000	5330000	1340000	9390000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 ♦	<200 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 ♦	<200 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦
Aromatics >EC8-EC10	<10 µg/kg	TM089		2790 ♦	<200 ♦	271 ♦	4390 ♦	150 ♦	3790 ♦
Aromatics >EC10-EC12	<10 µg/kg	TM089		8990 ♦	<200 ♦	1770 ♦	12700 ♦	300 ♦	7710 ♦
Aromatics >EC12-EC16	<100 µg/kg	TM173		52700	10700	<100	293000	14500	724000
Aromatics >EC16-EC21	<100 µg/kg	TM173		242000	30300	<100	<500	95900	2040000
Aromatics >EC21-EC35	<100 µg/kg	TM173		759000	198000	29900	2260000	664000	5550000
Aromatics >EC35-EC44	<100 µg/kg	TM173		470000	117000	37300	727000	267000	3290000
Aromatics >EC40-EC44	<100 µg/kg	TM173		173000	51700	9640	293000	110000	1170000
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		1520000	356000	67200	3280000	1040000	11600000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		3330000	756000	217000	8660000	2380000	21000000

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	IP1319	IP1319	IP1319	IP1320	IP1320	IP1320
			Depth (m)	2.50	3.50	4.50	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10917951	10917957	10917962	10917895	10917904	10917909
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		27 ♦	22 ♦	25 ♦	88 ♦	40 ♦	59 ♦
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 ♦ #	<176 ♦ #	<176 ♦ #	5310 ♦ M	20100 ♦ #	<176 ♦ #
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 ♦ #	<20 ♦ #	<20 ♦ #	<100 ♦ M	<100 ♦ #	<20 ♦ #
Benzene	<10 µg/kg	TM089		<40 ♦ #	<40 ♦ #	<40 ♦ #	<200 ♦ M	<200 ♦ #	<40 ♦ #
Toluene	<2 µg/kg	TM089		<8 ♦ #	<8 ♦ #	<8 ♦ #	<40 ♦ M	<40 ♦ #	<8 ♦ #
Ethylbenzene	<3 µg/kg	TM089		<12 ♦ #	<12 ♦ #	<12 ♦ #	<60 ♦ M	<60 ♦ #	<12 ♦ #
m,p-Xylene	<6 µg/kg	TM089		<24 ♦ #	<24 ♦ #	<24 ♦ #	<120 ♦ M	<120 ♦ #	<24 ♦ #
o-Xylene	<3 µg/kg	TM089		<12 ♦ #	<12 ♦ #	<12 ♦ #	<60 ♦ M	<60 ♦ #	<12 ♦ #
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 ♦	<9 ♦	<9 ♦	<9 ♦	<9 ♦	<9 ♦
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 ♦	<24 ♦	<24 ♦	<24 ♦	<24 ♦	<24 ♦
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<200 ♦	<200 ♦	<40 ♦
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<200 ♦	<200 ♦	<40 ♦
Aliphatics >C8-C10	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	382 ♦	756 ♦	<40 ♦
Aliphatics >C10-C12	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	2650 ♦	11200 ♦	47.2 ♦
Aliphatics >C12-C16	<100 µg/kg	TM173		24500	10400	9350	138000	66300	7570
Aliphatics >C16-C21	<100 µg/kg	TM173		29100	17300	21000	296000	183000	18200
Aliphatics >C21-C35	<100 µg/kg	TM173		39700	180000	59100	971000	746000	76200
Aliphatics >C35-C44	<100 µg/kg	TM173		10700	92600	33100	427000	374000	41300
Total Aliphatics >C12-C44	<100 µg/kg	TM173		104000	300000	123000	1830000	1370000	143000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<200 ♦	<200 ♦	<40 ♦
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<200 ♦	<200 ♦	<40 ♦
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	274 ♦	542 ♦	<40 ♦
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	1770 ♦	7440 ♦	<40 ♦
Aromatics >EC12-EC16	<100 µg/kg	TM173		1530	1010	<100	31900	9740	2000
Aromatics >EC16-EC21	<100 µg/kg	TM173		738	2830	2300	149000	77500	8220
Aromatics >EC21-EC35	<100 µg/kg	TM173		6830	47500	41700	859000	428000	57500
Aromatics >EC35-EC44	<100 µg/kg	TM173		4630	20600	45300	500000	257000	39000
Aromatics >EC40-EC44	<100 µg/kg	TM173		1860	8830	19600	226000	112000	17100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		13700	72000	89300	1540000	772000	107000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		118000	372000	212000	3380000	2160000	250000

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	IP1320	IP1320	IP1582	IP1678	IP1678	IP1679
			Depth (m)	3.50	4.50	0.50	0.50	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10917914	10917922	10917062	10917032	10917043	10917001
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		47 ♦	44 ♦	87 ♦	103 ♦	125 ♦	79 ♦
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 ♦ #	<176 ♦ #	<176 ♦ M	<176 ♦ M	<176 ♦ M	35600 ♦ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 ♦ #	<20 ♦ #	<20 ♦ M	<20 ♦ M	<20 ♦ M	<20 ♦ M
Benzene	<10 µg/kg	TM089		<40 ♦ #	<40 ♦ #	<40 ♦ M	<40 ♦ M	<40 ♦ M	108 ♦ M
Toluene	<2 µg/kg	TM089		<8 ♦ #	<8 ♦ #	<8 ♦ M	<8 ♦ M	<8 ♦ M	<8 ♦ M
Ethylbenzene	<3 µg/kg	TM089		<12 ♦ #	<12 ♦ #	<12 ♦ M	<12 ♦ M	<12 ♦ M	409 ♦ M
m,p-Xylene	<6 µg/kg	TM089		<24 ♦ #	<24 ♦ #	<24 ♦ M	<24 ♦ M	<24 ♦ M	1420 ♦ M
o-Xylene	<3 µg/kg	TM089		<12 ♦ #	<12 ♦ #	<12 ♦ M	<12 ♦ M	<12 ♦ M	<12 ♦ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 ♦	<9 ♦	<9 ♦	<9 ♦	<9 ♦	1420 ♦
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 ♦	<24 ♦	<24 ♦	<24 ♦	<24 ♦	1940 ♦
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	1670 ♦
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	4530 ♦
Aliphatics >C8-C10	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	6550 ♦
Aliphatics >C10-C12	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	9930 ♦
Aliphatics >C12-C16	<100 µg/kg	TM173		7340	4040	<100	<100	2780	15800
Aliphatics >C16-C21	<100 µg/kg	TM173		16800	14700	<100	<100	4340	10200
Aliphatics >C21-C35	<100 µg/kg	TM173		99300	134000	9700	296	10100	12000
Aliphatics >C35-C44	<100 µg/kg	TM173		49000	55500	1790	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		172000	209000	11500	296	17200	38000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	108 ♦
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	6190 ♦
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	6620 ♦
Aromatics >EC12-EC16	<100 µg/kg	TM173		1470	1610	<100	<100	1500	2140
Aromatics >EC16-EC21	<100 µg/kg	TM173		4580	4830	942	<100	1720	1800
Aromatics >EC21-EC35	<100 µg/kg	TM173		50000	98500	5820	409	2600	4460
Aromatics >EC35-EC44	<100 µg/kg	TM173		38300	58000	4010	<100	1400	4220
Aromatics >EC40-EC44	<100 µg/kg	TM173		17200	23600	<100	<100	<100	2080
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		94400	163000	10800	409	7220	12600
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		267000	372000	22300	705	24400	86300

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	IP1679	IP1729	IP1729	IP1730	IP1769	IP1769
			Depth (m)	1.50	0.50	1.50	0.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10917019	10918254	10918261	10917375	10917337	10917353
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		111 ♦	89 ♦	101 ♦	87 ♦	85 ♦	118
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		2340000 3 ♦ M	<176 ♦ M	261000 ♦ M	<176 ♦ M	<176 ♦ M	<176 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<100 ♦ M	<20 ♦ M	<20 ♦ M	<20 ♦ M	<20 ♦ M	<20 M
Benzene	<10 µg/kg	TM089		1400 ♦ M	<40 ♦ M	92.1 ♦ M	<40 ♦ M	<40 ♦ M	<40 M
Toluene	<2 µg/kg	TM089		<40 ♦ M	<8 ♦ M	<8 ♦ M	<8 ♦ M	<8 ♦ M	<8 M
Ethylbenzene	<3 µg/kg	TM089		<60 ♦ M	<12 ♦ M	<12 ♦ M	<12 ♦ M	<12 ♦ M	<12 M
m,p-Xylene	<6 µg/kg	TM089		<120 ♦ M	<24 ♦ M	<24 ♦ M	<24 ♦ M	<24 ♦ M	<24 M
o-Xylene	<3 µg/kg	TM089		<60 ♦ M	<12 ♦ M	<12 ♦ M	<12 ♦ M	<12 ♦ M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 ♦	<9 ♦	<9 ♦	<9 ♦	<9 ♦	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		1400 ♦	<24 ♦	92.1 ♦	<24 ♦	<24 ♦	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		67900 3 ♦	<40 ♦	6700 ♦	<40 ♦	<40 ♦	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		525000 3 ♦	<40 ♦	68500 ♦	<40 ♦	<40 ♦	<40
Aliphatics >C8-C10	<10 µg/kg	TM089		549000 3 ♦	<40 ♦	57700 ♦	<40 ♦	<40 ♦	<40
Aliphatics >C10-C12	<10 µg/kg	TM089		499000 3 ♦	<40 ♦	54000 ♦	<40 ♦	<40 ♦	<40
Aliphatics >C12-C16	<100 µg/kg	TM173		461000	<100	141000	<100	<100	301
Aliphatics >C16-C21	<100 µg/kg	TM173		218000	<100	54900	<100	<100	2590
Aliphatics >C21-C35	<100 µg/kg	TM173		138000	<100	52700	8550	<100	4920
Aliphatics >C35-C44	<100 µg/kg	TM173		20800	<100	9610	1270	<100	1790
Total Aliphatics >C12-C44	<100 µg/kg	TM173		838000	<100	258000	9810	<100	9610
Aromatics >EC5-EC7	<10 µg/kg	TM089		1400 3 ♦	<40 ♦	92.1 ♦	<40 ♦	<40 ♦	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089		<200 3 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		366000 3 ♦	<40 ♦	38500 ♦	<40 ♦	<40 ♦	<40
Aromatics >EC10-EC12	<10 µg/kg	TM089		332000 3 ♦	<40 ♦	36000 ♦	<40 ♦	<40 ♦	<40
Aromatics >EC12-EC16	<100 µg/kg	TM173		153000	<100	34300	2200	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		97400	<100	23600	2040	<100	2590
Aromatics >EC21-EC35	<100 µg/kg	TM173		124000	<100	37600	2340	<100	14100
Aromatics >EC35-EC44	<100 µg/kg	TM173		49400	<100	21600	671	<100	8020
Aromatics >EC40-EC44	<100 µg/kg	TM173		21000	<100	6920	<100	<100	3350
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		424000	<100	117000	7250	<100	24700
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		3600000	<100	637000	17100	<100	34400

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	IP1770	IP1770	IP1770	IP1771	IP1771	IP1771
			Depth (m)	0.50	1.50	2.50	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10918268	10918273	10918280	10918232	10918236	10918241
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		103 ♦	92 ♦	100 ♦	127 ♦	111 ♦	101 ♦
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		238000 ♦ M	3030 ♦ M	889000 ♦ M	<176 ♦ M	186000 ♦ M	676000 ♦ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 ♦ M	<20 ♦ M	<100 ♦ M	<20 ♦ M	<20 ♦ M	<100 ♦ M
Benzene	<10 µg/kg	TM089		55.7 ♦ M	<40 ♦ M	<200 ♦ M	<40 ♦ M	<40 ♦ M	<200 ♦ M
Toluene	<2 µg/kg	TM089		<8 ♦ M	<8 ♦ M	<40 ♦ M	<8 ♦ M	<8 ♦ M	<40 ♦ M
Ethylbenzene	<3 µg/kg	TM089		<12 ♦ M	<12 ♦ M	<60 ♦ M	<12 ♦ M	<12 ♦ M	<60 ♦ M
m,p-Xylene	<6 µg/kg	TM089		<24 ♦ M	<24 ♦ M	<120 ♦ M	<24 ♦ M	<24 ♦ M	<120 ♦ M
o-Xylene	<3 µg/kg	TM089		<12 ♦ M	<12 ♦ M	<60 ♦ M	<12 ♦ M	<12 ♦ M	<60 ♦ 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		55.7 ♦	<24 ♦	<24 ♦	<24 ♦	<24 ♦	<24 ♦
Aliphatics >C5-C6	<10 µg/kg	TM089		1800 ♦	158 ♦	932 ♦	<40 ♦	370 ♦	609 ♦
Aliphatics >C6-C8	<10 µg/kg	TM089		51700 ♦	753 ♦	33600 ♦	<40 ♦	15200 ♦	19500 ♦
Aliphatics >C8-C10	<10 µg/kg	TM089		61500 ♦	515 ♦	219000 ♦	51.7 ♦	43500 ♦	138000 ♦
Aliphatics >C10-C12	<10 µg/kg	TM089		49000 ♦	757 ♦	294000 ♦	45.5 ♦	58700 ♦	256000 ♦
Aliphatics >C12-C16	<100 µg/kg	TM173		404000	82800	465000	15800	76900	302000
Aliphatics >C16-C21	<100 µg/kg	TM173		234000	76900	258000	94500	113000	152000
Aliphatics >C21-C35	<100 µg/kg	TM173		294000	101000	354000	6320	102000	182000
Aliphatics >C35-C44	<100 µg/kg	TM173		55200	22700	93800	<100	13500	32300
Total Aliphatics >C12-C44	<100 µg/kg	TM173		987000	284000	1170000	117000	306000	668000
Aromatics >EC5-EC7	<10 µg/kg	TM089		55.7 ♦	<40 ♦	<200 ♦	<40 ♦	<40 ♦	<200 ♦
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 ♦	<40 ♦	<200 ♦	<40 ♦	<40 ♦	<200 ♦
Aromatics >EC8-EC10	<10 µg/kg	TM089		41000 ♦	344 ♦	146000 ♦	<40 ♦	29000 ♦	91800 ♦
Aromatics >EC10-EC12	<10 µg/kg	TM089		32600 ♦	505 ♦	196000 ♦	<40 ♦	39200 ♦	170000 ♦
Aromatics >EC12-EC16	<100 µg/kg	TM173		43200	6720	35500	2910	61300	36000
Aromatics >EC16-EC21	<100 µg/kg	TM173		68300	16700	46700	19400	184000	53500
Aromatics >EC21-EC35	<100 µg/kg	TM173		154000	51300	117000	4970	94400	115000
Aromatics >EC35-EC44	<100 µg/kg	TM173		63900	20300	51100	910	13900	48300
Aromatics >EC40-EC44	<100 µg/kg	TM173		25100	7820	21500	<100	5810	19100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		329000	95000	250000	28200	354000	253000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		1550000	382000	2310000	145000	846000	1600000

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	IP1771	IP1815	IP1815	IP1815	IP1815	IP1860
			Depth (m)	3.50	0.50	1.50	2.50	3.30	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10918249	10918194	10918203	10918208	10918225	10918177
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		121 ♦	101 ♦	93 ♦	76 ♦	142 ♦	98 ♦
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		206000 ♦ M	<176 ♦ M	15600 ♦ M	548000 ♦ M	769000 ♦ M	<176 ♦ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 ♦ M	<20 ♦ M	<20 ♦ M	<100 ♦ M	<100 ♦ M	<20 ♦ M
Benzene	<10 µg/kg	TM089		88.8 ♦ M	<40 ♦ M	<40 ♦ M	<200 ♦ M	<200 ♦ M	<40 ♦ M
Toluene	<2 µg/kg	TM089		<8 ♦ M	<8 ♦ M	<8 ♦ M	<40 ♦ M	<40 ♦ M	<8 ♦ M
Ethylbenzene	<3 µg/kg	TM089		<12 ♦ M	<12 ♦ M	<12 ♦ M	<60 ♦ M	<60 ♦ M	<12 ♦ M
m,p-Xylene	<6 µg/kg	TM089		<24 ♦ M	<24 ♦ M	<24 ♦ M	<120 ♦ M	<120 ♦ M	<24 ♦ M
o-Xylene	<3 µg/kg	TM089		<12 ♦ M	<12 ♦ M	<12 ♦ M	<60 ♦ M	<60 ♦ 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		88.8 ♦	<24 ♦	<24 ♦	<24 ♦	<24 ♦	<24 ♦
Aliphatics >C5-C6	<10 µg/kg	TM089		3340 ♦	<40 ♦	1040 ♦	1290 ♦	5820 ♦	<40 ♦
Aliphatics >C6-C8	<10 µg/kg	TM089		42400 ♦	<40 ♦	4470 ♦	30700 ♦	181000 ♦	<40 ♦
Aliphatics >C8-C10	<10 µg/kg	TM089		44800 ♦	<40 ♦	3700 ♦	129000 ♦	199000 ♦	<40 ♦
Aliphatics >C10-C12	<10 µg/kg	TM089		51200 ♦	<40 ♦	2340 ♦	181000 ♦	150000 ♦	<40 ♦
Aliphatics >C12-C16	<100 µg/kg	TM173		260000	621	<100	330000	299000	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		211000	720	<100	184000	125000	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		288000	4280	<100	172000	137000	2310
Aliphatics >C35-C44	<100 µg/kg	TM173		67900	405	<100	15400	28600	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		827000	6030	<100	702000	590000	2310
Aromatics >EC5-EC7	<10 µg/kg	TM089		88.8 ♦	<40 ♦	<40 ♦	<200 ♦	<200 ♦	<40 ♦
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<200 ♦	<200 ♦	<40 ♦
Aromatics >EC8-EC10	<10 µg/kg	TM089		29900 ♦	<40 ♦	2470 ♦	85800 ♦	132000 ♦	<40 ♦
Aromatics >EC10-EC12	<10 µg/kg	TM089		34100 ♦	<40 ♦	1560 ♦	120000 ♦	100000 ♦	<40 ♦
Aromatics >EC12-EC16	<100 µg/kg	TM173		27900	<100	<100	270000	63400	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		60600	<100	<100	393000	104000	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		157000	<100	<100	196000	76500	2610
Aromatics >EC35-EC44	<100 µg/kg	TM173		67400	<100	<100	29900	19300	1070
Aromatics >EC40-EC44	<100 µg/kg	TM173		27700	<100	<100	11500	7930	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		313000	<100	<100	888000	263000	3670
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		1350000	6030	15600	2140000	1620000	5990

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	IP1860	IP1860	IP1898	IP1898	IP1898	IP1898
			Depth (m)	1.50	2.50	0.50	1.50	2.50	3.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10918182	10918187	10918084	10918095	10918100	10918104
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		94 ♦	94 ♦	93 ♦	99 ♦	132 ♦	90 ♦
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		332 ♦ M	199000 ♦ M	446 ♦ M	5760 ♦ M	456000 ♦ M	186000 ♦ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 ♦ M	<20 ♦ M	<20 ♦ M	<20 ♦ M	<100 ♦ M	<20 ♦ M
Benzene	<10 µg/kg	TM089		<40 ♦ M	99.9 ♦ M	<40 ♦ M	<40 ♦ M	<200 ♦ M	66.7 ♦ M
Toluene	<2 µg/kg	TM089		<8 ♦ M	<8 ♦ M	<8 ♦ M	<8 ♦ M	<40 ♦ M	<8 ♦ M
Ethylbenzene	<3 µg/kg	TM089		<12 ♦ M	<12 ♦ M	<12 ♦ M	<12 ♦ M	<60 ♦ M	<12 ♦ M
m,p-Xylene	<6 µg/kg	TM089		<24 ♦ M	<24 ♦ M	<24 ♦ M	<24 ♦ M	<120 ♦ M	<24 ♦ M
o-Xylene	<3 µg/kg	TM089		<12 ♦ M	<12 ♦ M	<12 ♦ M	<12 ♦ M	<60 ♦ 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 ♦	99.9 ♦	<24 ♦	<24 ♦	<24 ♦	66.7 ♦
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 ♦	2230 ♦	<40 ♦	130 ♦	4870 ♦	1310 ♦
Aliphatics >C6-C8	<10 µg/kg	TM089		82.5 ♦	49800 ♦	50.3 ♦	574 ♦	78500 ♦	22600 ♦
Aliphatics >C8-C10	<10 µg/kg	TM089		74.6 ♦	55500 ♦	71.4 ♦	1120 ♦	110000 ♦	44900 ♦
Aliphatics >C10-C12	<10 µg/kg	TM089		62.2 ♦	32400 ♦	156 ♦	1910 ♦	113000 ♦	52500 ♦
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	76300	31100	4030	320000	337000
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	50700	50900	1760	55000	86900
Aliphatics >C21-C35	<100 µg/kg	TM173		3280	39000	96900	5310	11800	22900
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	6690	48400	<100	611	1900
Total Aliphatics >C12-C44	<100 µg/kg	TM173		3280	173000	227000	11100	387000	449000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 ♦	99.9 ♦	<40 ♦	<40 ♦	<200 ♦	66.7 ♦
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<200 ♦	<40 ♦
Aromatics >EC8-EC10	<10 µg/kg	TM089		49.7 ♦	37000 ♦	46.8 ♦	748 ♦	73400 ♦	29900 ♦
Aromatics >EC10-EC12	<10 µg/kg	TM089		41.8 ♦	21600 ♦	104 ♦	1270 ♦	75500 ♦	35000 ♦
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	39700	5110	2750	26100	33400
Aromatics >EC16-EC21	<100 µg/kg	TM173		624	37100	21000	748	10800	28000
Aromatics >EC21-EC35	<100 µg/kg	TM173		5210	40000	20400	652	3660	6060
Aromatics >EC35-EC44	<100 µg/kg	TM173		2190	14700	8140	<100	<100	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	5750	3050	<100	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		8030	131000	54700	4150	40500	67500
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		11600	503000	282000	21000	883000	702000

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	IP1899	IP1944	IP1944	IP1944	IP1968	IP1968
			Depth (m)	0.50	0.50	1.50	2.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10917307	10917218	10917235	10917250	10918073	10918079
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		90 ♦	101 ♦	101 ♦	93 ♦	98 ♦	112 ♦
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 ♦ M	<176 ♦ M	36500 ♦ M	51400 ♦ M	610 ♦ M	2070000 ♦ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 ♦ M	<20 ♦ M	<20 ♦ M	<20 ♦ M	<20 ♦ M	<100 ♦ M
Benzene	<10 µg/kg	TM089		<40 ♦ M	<40 ♦ M	<40 ♦ M	<40 ♦ M	<40 ♦ M	377 ♦ M
Toluene	<2 µg/kg	TM089		<8 ♦ M	<8 ♦ M	<8 ♦ M	<8 ♦ M	<8 ♦ M	<40 ♦ M
Ethylbenzene	<3 µg/kg	TM089		<12 ♦ M	<12 ♦ M	<12 ♦ M	<12 ♦ M	<12 ♦ M	<60 ♦ M
m,p-Xylene	<6 µg/kg	TM089		<24 ♦ M	<24 ♦ M	<24 ♦ M	<24 ♦ M	<24 ♦ M	<120 ♦ M
o-Xylene	<3 µg/kg	TM089		<12 ♦ M	<12 ♦ M	<12 ♦ M	<12 ♦ M	<12 ♦ M	<60 ♦ 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 ♦	377 ♦
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 ♦	<40 ♦	333 ♦	200 ♦	<40 ♦	2740 ♦
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 ♦	<40 ♦	3970 ♦	3130 ♦	<40 ♦	330000 ♦
Aliphatics >C8-C10	<10 µg/kg	TM089		<40 ♦	<40 ♦	7410 ♦	12100 ♦	113 ♦	579000 ♦
Aliphatics >C10-C12	<10 µg/kg	TM089		<40 ♦	<40 ♦	11900 ♦	16800 ♦	229 ♦	466000 ♦
Aliphatics >C12-C16	<100 µg/kg	TM173		1140	5210	157000	88200	<100	454000
Aliphatics >C16-C21	<100 µg/kg	TM173		11900	33500	160000	71400	<100	144000
Aliphatics >C21-C35	<100 µg/kg	TM173		90600	125000	275000	104000	<100	57900
Aliphatics >C35-C44	<100 µg/kg	TM173		53300	56000	84800	20700	<100	7280
Total Aliphatics >C12-C44	<100 µg/kg	TM173		157000	219000	677000	284000	<100	664000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	377 ♦
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	<200 ♦
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40 ♦	<40 ♦	4940 ♦	8040 ♦	75.9 ♦	386000 ♦
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40 ♦	<40 ♦	7920 ♦	11200 ♦	153 ♦	311000 ♦
Aromatics >EC12-EC16	<100 µg/kg	TM173		3850	816	12400	41200	<100	26500
Aromatics >EC16-EC21	<100 µg/kg	TM173		12000	12400	36200	59400	<100	28600
Aromatics >EC21-EC35	<100 µg/kg	TM173		187000	193000	130000	159000	<100	16500
Aromatics >EC35-EC44	<100 µg/kg	TM173		113000	148000	71800	78900	<100	4610
Aromatics >EC40-EC44	<100 µg/kg	TM173		47000	65100	30000	32000	<100	1990
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		316000	354000	250000	339000	<100	76200
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		473000	573000	964000	674000	610	2810000

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	IP2032	IP2032	IP2032	IP2033	IP2034	IP2034
			Depth (m)	0.50	1.50	2.50	0.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10917168	10917183	10917200	10917152	10918165	10918171
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		100 ♦	112 ♦	112 ♦	100 ♦	127 ♦	113 ♦
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 ♦ M	356000 ♦ M	279000 ♦ M	<176 ♦ M	<176 ♦ M	<176 ♦ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 ♦ M	<100 ♦ M	<20 ♦ M	<20 ♦ M	<20 ♦ M	<20 ♦ M
Benzene	<10 µg/kg	TM089		<40 ♦ M	<200 ♦ M	241 ♦ M	<40 ♦ M	<40 ♦ M	<40 ♦ M
Toluene	<2 µg/kg	TM089		<8 ♦ M	<40 ♦ M	<8 ♦ M	<8 ♦ M	<8 ♦ M	<8 ♦ M
Ethylbenzene	<3 µg/kg	TM089		<12 ♦ M	<60 ♦ M	<12 ♦ M	<12 ♦ M	<12 ♦ M	<12 ♦ M
m,p-Xylene	<6 µg/kg	TM089		<24 ♦ M	<120 ♦ M	<24 ♦ M	<24 ♦ M	<24 ♦ M	<24 ♦ M
o-Xylene	<3 µg/kg	TM089		<12 ♦ M	<60 ♦ 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 ♦	241 ♦	<24 ♦	<24 ♦	<24 ♦
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 ♦	1680 ♦	2840 ♦	<40 ♦	<40 ♦	<40 ♦
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 ♦	37200 ♦	32300 ♦	<40 ♦	<40 ♦	<40 ♦
Aliphatics >C8-C10	<10 µg/kg	TM089		<40 ♦	66000 ♦	49700 ♦	<40 ♦	<40 ♦	<40 ♦
Aliphatics >C10-C12	<10 µg/kg	TM089		<40 ♦	125000 ♦	96500 ♦	<40 ♦	<40 ♦	<40 ♦
Aliphatics >C12-C16	<100 µg/kg	TM173		3360	678000	893000	2890	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		11900	380000	343000	19300	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		61600	115000	82200	469000	<100	<100
Aliphatics >C35-C44	<100 µg/kg	TM173		47900	<100	<100	115000	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		125000	1170000	1320000	606000	<100	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 ♦	<200 ♦	241 ♦	<40 ♦	<40 ♦	<40 ♦
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 ♦	<200 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40 ♦	44000 ♦	33100 ♦	<40 ♦	<40 ♦	<40 ♦
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40 ♦	83000 ♦	64400 ♦	<40 ♦	<40 ♦	<40 ♦
Aromatics >EC12-EC16	<100 µg/kg	TM173		4220	55600	84600	5040	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		14300	75000	70500	24800	<100	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		106000	36100	23800	694000	<100	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173		75200	2520	<100	190000	<100	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		31100	<100	<100	70600	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		199000	169000	179000	914000	<100	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		324000	1700000	1780000	1520000	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	IP2081	IP2081	IP2227	IP2327	IP2327	IP2328
			Depth (m)	0.50	1.60	0.50	0.50	1.70	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10918153	10918160	10917133	10918131	10918137	10918109
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		92 ♦	105 ♦	95 ♦	110 ♦	95 ♦	79 ♦
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 ♦ M	<176 ♦ M	<176 ♦ M	<176 ♦ M	422000 ♦ M	21900 ♦ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 ♦ M	<20 ♦ M	<20 ♦ M	<20 ♦ M	<100 ♦ M	<20 ♦ M
Benzene	<10 µg/kg	TM089		<40 ♦ M	<40 ♦ M	<40 ♦ M	<40 ♦ M	<200 ♦ M	<40 ♦ M
Toluene	<2 µg/kg	TM089		<8 ♦ M	<8 ♦ M	<8 ♦ M	<8 ♦ M	<40 ♦ M	<8 ♦ M
Ethylbenzene	<3 µg/kg	TM089		<12 ♦ M	<12 ♦ M	<12 ♦ M	<12 ♦ M	<60 ♦ M	<12 ♦ M
m,p-Xylene	<6 µg/kg	TM089		<24 ♦ M	<24 ♦ M	<24 ♦ M	<24 ♦ M	<120 ♦ M	<24 ♦ M
o-Xylene	<3 µg/kg	TM089		<12 ♦ M	<12 ♦ M	<12 ♦ M	<12 ♦ M	<60 ♦ M	71.3 ♦ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 ♦	<9 ♦	<9 ♦	<9 ♦	<9 ♦	71.3 ♦
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 ♦	<24 ♦	<24 ♦	<24 ♦	<24 ♦	71.3 ♦
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<200 ♦	<40 ♦
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	2080 ♦	253 ♦
Aliphatics >C8-C10	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	63400 ♦	2820 ♦
Aliphatics >C10-C12	<10 µg/kg	TM089		44.5 ♦	<40 ♦	<40 ♦	<40 ♦	189000 ♦	10100 ♦
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	<100	<100	594000	535000
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	4890	<100	407000	613000
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	<100	9510	<100	48600	183000
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	5980	<100	<100	40600
Total Aliphatics >C12-C44	<100 µg/kg	TM173		<100	<100	20400	<100	1050000	1370000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<200 ♦	<40 ♦
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<200 ♦	<40 ♦
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	42300 ♦	1950 ♦
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	126000 ♦	6740 ♦
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	<100	862	178000	19600
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	<100	<100	2070	177000	92600
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	<100	4420	10900	24900	104000
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	<100	13000	9590	1320	57900
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	<100	5410	4160	683	23000
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		<100	<100	17400	23400	382000	274000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		<100	<100	37800	23400	1850000	1670000

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	IP2328	IP2745	IP2745	TPE0423	TPE0423	TPE0423
			Depth (m)	1.50	0.50	1.70	1.00	2.00	3.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10918117	10918123	10918127	10918002	10918006	10918012
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		77 ♦	93 ♦	86 ♦	92 ♦	126 ♦	79 ♦
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		159000 ♦ M	<176 ♦ M	75100 ♦ M	<176 ♦ M	<176 ♦ M	<176 ♦ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 ♦ M	<20 ♦ M	<20 ♦ M	<20 ♦ M	<20 ♦ M	<20 ♦ M
Benzene	<10 µg/kg	TM089		<40 ♦ M	<40 ♦ M	<40 ♦ M	<40 ♦ M	<40 ♦ M	<40 ♦ M
Toluene	<2 µg/kg	TM089		<8 ♦ M	<8 ♦ M	<8 ♦ M	<8 ♦ M	<8 ♦ M	<8 ♦ M
Ethylbenzene	<3 µg/kg	TM089		<12 ♦ M	<12 ♦ M	<12 ♦ M	<12 ♦ M	<12 ♦ M	<12 ♦ M
m,p-Xylene	<6 µg/kg	TM089		<24 ♦ M	<24 ♦ M	<24 ♦ M	<24 ♦ M	<24 ♦ M	<24 ♦ M
o-Xylene	<3 µg/kg	TM089		<12 ♦ M	<12 ♦ M	<12 ♦ M	<12 ♦ M	<12 ♦ M	<12 ♦ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 ♦	<9 ♦	<9 ♦	<9 ♦	<9 ♦	<9 ♦
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 ♦	<24 ♦	<24 ♦	<24 ♦	<24 ♦	<24 ♦
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦
Aliphatics >C6-C8	<10 µg/kg	TM089		2490 ♦	<40 ♦	1380 ♦	<40 ♦	<40 ♦	<40 ♦
Aliphatics >C8-C10	<10 µg/kg	TM089		32000 ♦	<40 ♦	11800 ♦	<40 ♦	<40 ♦	<40 ♦
Aliphatics >C10-C12	<10 µg/kg	TM089		61600 ♦	<40 ♦	32400 ♦	<40 ♦	<40 ♦	<40 ♦
Aliphatics >C12-C16	<100 µg/kg	TM173		1620000	<100	364000	1760	927	3090
Aliphatics >C16-C21	<100 µg/kg	TM173		1310000	1390	245000	6180	4030	9030
Aliphatics >C21-C35	<100 µg/kg	TM173		156000	9770	30000	47800	36800	37700
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	4010	<100	43600	12200	1130
Total Aliphatics >C12-C44	<100 µg/kg	TM173		3090000	15200	638000	99300	54000	50900
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		21400 ♦	<40 ♦	7860 ♦	<40 ♦	<40 ♦	<40 ♦
Aromatics >EC10-EC12	<10 µg/kg	TM089		41100 ♦	<40 ♦	21600 ♦	<40 ♦	<40 ♦	<40 ♦
Aromatics >EC12-EC16	<100 µg/kg	TM173		502000	<100	126000	851	<100	3610
Aromatics >EC16-EC21	<100 µg/kg	TM173		512000	2080	106000	6150	4890	8740
Aromatics >EC21-EC35	<100 µg/kg	TM173		107000	13000	18300	46300	31200	90600
Aromatics >EC35-EC44	<100 µg/kg	TM173		<200	10100	<100	18700	17100	36300
Aromatics >EC40-EC44	<100 µg/kg	TM173		<200	4350	<100	6940	6980	11500
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		1120000	25200	250000	72000	53200	139000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		4370000	40400	964000	171000	107000	190000

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	TPE0423	TPE0578	TPE0578	TPE0578	TPE0578	TPE0578
			Depth (m)	4.00	0.50	1.50	2.50	3.50	4.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10918016	10917844	10917858	10917868	10917878	10917885
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		82 ♦	49 ♦	83 ♦	47 ♦	57 ♦	78 ♦
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 ♦	316000 ♦ M	33900 ♦ #	1330 ♦ #	496 ♦ #	3430 ♦ #
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 ♦	<100 ♦ M	<100 ♦ #	<20 ♦ #	<20 ♦ #	<100 ♦ #
Benzene	<10 µg/kg	TM089		<40 ♦	<200 ♦ M	<200 ♦ #	<40 ♦ #	<40 ♦ #	<200 ♦ #
Toluene	<2 µg/kg	TM089		<8 ♦	<40 ♦ M	<40 ♦ #	<8 ♦ #	<8 ♦ #	<40 ♦ #
Ethylbenzene	<3 µg/kg	TM089		<12 ♦	<60 ♦ M	<60 ♦ #	<12 ♦ #	<12 ♦ #	<60 ♦ #
m,p-Xylene	<6 µg/kg	TM089		<24 ♦	<120 ♦ M	<120 ♦ #	<24 ♦ #	<24 ♦ #	<120 ♦ #
o-Xylene	<3 µg/kg	TM089		<12 ♦	<60 ♦ M	<60 ♦ #	<12 ♦ #	<12 ♦ #	<60 ♦ #
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 ♦	<9 ♦	<9 ♦	<9 ♦	<9 ♦	<9 ♦
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 ♦	<24 ♦	<24 ♦	<24 ♦	<24 ♦	<24 ♦
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 ♦	<200 ♦	<200 ♦	78.6 ♦	<40 ♦	<200 ♦
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 ♦	4250 ♦	264 ♦	134 ♦	82.4 ♦	227 ♦
Aliphatics >C8-C10	<10 µg/kg	TM089		<40 ♦	61400 ♦	2980 ♦	207 ♦	84.9 ♦	461 ♦
Aliphatics >C10-C12	<10 µg/kg	TM089		<40 ♦	125000 ♦	17100 ♦	452 ♦	130 ♦	1400 ♦
Aliphatics >C12-C16	<100 µg/kg	TM173		1120	2980000	227000	10800	21200	49400
Aliphatics >C16-C21	<100 µg/kg	TM173		2850	3480000	518000	39800	75400	119000
Aliphatics >C21-C35	<100 µg/kg	TM173		21000	6530000	1390000	186000	227000	350000
Aliphatics >C35-C44	<100 µg/kg	TM173		1000	2670000	593000	80800	93400	162000
Total Aliphatics >C12-C44	<100 µg/kg	TM173		26000	15700000	2730000	318000	417000	681000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 ♦	<200 ♦	<200 ♦	<40 ♦	<40 ♦	<200 ♦
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 ♦	<200 ♦	<200 ♦	<40 ♦	<40 ♦	<200 ♦
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40 ♦	40900 ♦	2020 ♦	138 ♦	61.5 ♦	308 ♦
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40 ♦	83600 ♦	11400 ♦	301 ♦	87.3 ♦	935 ♦
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	448000	29800	3250	7200	9340
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	1620000	242000	20200	46000	48800
Aromatics >EC21-EC35	<100 µg/kg	TM173		2940	6670000	1170000	164000	209000	294000
Aromatics >EC35-EC44	<100 µg/kg	TM173		4260	3150000	632000	110000	107000	173000
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	1370000	286000	56200	54500	81600
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		7200	11900000	2080000	298000	370000	525000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		33200	27900000	4840000	617000	787000	1210000

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	TPE0651	TPE0651	TPE0651	TPE0651	TPE0651	TPE0674
			Depth (m)	0.50	1.50	2.50	3.50	4.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10917926	10917931	10917937	10917794	10917827	10917969
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		9 ♦	43 ♦	30 ♦	40 ♦	42 ♦	83 ♦
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 ♦ M	<176 ♦ #	<176 ♦ #	<176 ♦ #	<176 ♦ #	<176 ♦ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 ♦ M	<20 ♦ #	<20 ♦ #	<20 ♦ #	<20 ♦ #	<20 ♦ M
Benzene	<10 µg/kg	TM089		<40 ♦ M	<40 ♦ #	<40 ♦ #	<40 ♦ #	<40 ♦ #	<40 ♦ M
Toluene	<2 µg/kg	TM089		11.8 ♦ M	<8 ♦ #	<8 ♦ #	<8 ♦ #	<8 ♦ #	<8 ♦ M
Ethylbenzene	<3 µg/kg	TM089		<12 ♦ M	<12 ♦ #	<12 ♦ #	<12 ♦ #	<12 ♦ #	<12 ♦ M
m,p-Xylene	<6 µg/kg	TM089		<24 ♦ M	<24 ♦ #	<24 ♦ #	<24 ♦ #	<24 ♦ #	<24 ♦ M
o-Xylene	<3 µg/kg	TM089		<12 ♦ M	<12 ♦ #	<12 ♦ #	<12 ♦ #	<12 ♦ #	<12 ♦ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 ♦	<9 ♦	<9 ♦	<9 ♦	<9 ♦	<9 ♦
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 ♦	<24 ♦	<24 ♦	<24 ♦	<24 ♦	<24 ♦
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦
Aliphatics >C8-C10	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦
Aliphatics >C10-C12	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦
Aliphatics >C12-C16	<100 µg/kg	TM173		6300	28100	6200	12200	7520	1740
Aliphatics >C16-C21	<100 µg/kg	TM173		42700	53000	9820	35700	22400	9870
Aliphatics >C21-C35	<100 µg/kg	TM173		204000	390000	179000	271000	120000	44800
Aliphatics >C35-C44	<100 µg/kg	TM173		59300	137000	91300	115000	35600	34600
Total Aliphatics >C12-C44	<100 µg/kg	TM173		312000	609000	286000	434000	185000	91000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦
Aromatics >EC12-EC16	<100 µg/kg	TM173		1750	2030	2440	2450	1610	1080
Aromatics >EC16-EC21	<100 µg/kg	TM173		11100	8030	2420	10300	6330	7840
Aromatics >EC21-EC35	<100 µg/kg	TM173		194000	153000	58900	156000	71000	39700
Aromatics >EC35-EC44	<100 µg/kg	TM173		103000	93900	35900	102000	38900	35600
Aromatics >EC40-EC44	<100 µg/kg	TM173		42100	32500	13800	42900	16600	12300
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		310000	257000	99600	271000	118000	84200
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		622000	866000	386000	705000	303000	175000

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	TPE0674	TPE0674	TPE0674	TPE0674	TPE0762	TPE0847
			Depth (m)	1.50	2.50	3.50	4.50	0.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10917977	10917983	10917989	10917997	10917052	10917324
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		51 ♦	20 ♦	35 ♦	43 ♦	113 ♦	107 ♦
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 ♦ #	<176 ♦ #	<176 ♦ #	<176 ♦ #	<176 ♦ M	<176 ♦ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 ♦ #	<20 ♦ #	<20 ♦ #	<20 ♦ #	<20 ♦ M	<20 ♦ M
Benzene	<10 µg/kg	TM089		<40 ♦ #	<40 ♦ #	<40 ♦ #	<40 ♦ #	<40 ♦ M	<40 ♦ M
Toluene	<2 µg/kg	TM089		<8 ♦ #	<8 ♦ #	<8 ♦ #	<8 ♦ #	<8 ♦ M	<8 ♦ M
Ethylbenzene	<3 µg/kg	TM089		<12 ♦ #	<12 ♦ #	<12 ♦ #	<12 ♦ #	<12 ♦ M	<12 ♦ M
m,p-Xylene	<6 µg/kg	TM089		<24 ♦ #	<24 ♦ #	<24 ♦ #	<24 ♦ #	<24 ♦ M	<24 ♦ M
o-Xylene	<3 µg/kg	TM089		<12 ♦ #	<12 ♦ #	<12 ♦ #	<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 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦
Aliphatics >C8-C10	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦
Aliphatics >C10-C12	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦
Aliphatics >C12-C16	<100 µg/kg	TM173		14600	4450	9230	14500	<100	331
Aliphatics >C16-C21	<100 µg/kg	TM173		42900	8730	9980	26100	<100	1370
Aliphatics >C21-C35	<100 µg/kg	TM173		142000	44500	37000	97100	310	6280
Aliphatics >C35-C44	<100 µg/kg	TM173		49000	13600	16800	43500	7270	3200
Total Aliphatics >C12-C44	<100 µg/kg	TM173		249000	71300	73000	181000	7580	11200
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦
Aromatics >EC12-EC16	<100 µg/kg	TM173		159	<100	1090	3070	<100	4680
Aromatics >EC16-EC21	<100 µg/kg	TM173		4990	<100	226	5950	187	30100
Aromatics >EC21-EC35	<100 µg/kg	TM173		57900	11300	10100	58200	1160	88400
Aromatics >EC35-EC44	<100 µg/kg	TM173		51100	10400	8760	39500	<100	45000
Aromatics >EC40-EC44	<100 µg/kg	TM173		16200	2530	3720	15800	<100	19300
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		114000	21700	20200	107000	1350	168000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		363000	93000	93300	288000	8930	179000

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	TPE853	TPE853	TPE853	TPE0903	TPE0903	TPE0957
			Depth (m)	0.50	1.50	2.50	0.50	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10918057	10918063	10918068	10917264	10917279	10917108
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		80 ♦	81 ♦	133 ♦	164 ♦	107 ♦	84 ♦
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 ♦ M	441 ♦ M	70800 ♦ M	<176 ♦ M	1180 ♦ M	<176 ♦ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 ♦ M	<20 ♦ M	103 ♦ 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 ♦	166 ♦	<40 ♦	83.2 ♦	<40 ♦
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 ♦	41.8 ♦	3720 ♦	<40 ♦	246 ♦	<40 ♦
Aliphatics >C8-C10	<10 µg/kg	TM089		<40 ♦	120 ♦	11400 ♦	<40 ♦	300 ♦	<40 ♦
Aliphatics >C10-C12	<10 µg/kg	TM089		<40 ♦	108 ♦	28600 ♦	<40 ♦	164 ♦	<40 ♦
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	561000	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	532000	<100	<100	3670
Aliphatics >C21-C35	<100 µg/kg	TM173		3250	<100	300000	<100	<100	355000
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	142000	<100	<100	187000
Total Aliphatics >C12-C44	<100 µg/kg	TM173		3250	<100	1540000	<100	<100	546000
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 ♦	80.2 ♦	7620 ♦	<40 ♦	200 ♦	<40 ♦
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40 ♦	72.3 ♦	19100 ♦	<40 ♦	109 ♦	<40 ♦
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	38100	<100	<100	1560
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	<100	100000	<100	<100	3480
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	<100	221000	<100	<100	137000
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	<100	244000	<100	<100	169000
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	<100	89300	<100	<100	73800
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		<100	<100	603000	<100	<100	311000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		3250	441	2210000	<100	1110	856000

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	TPE1079	TPE1660	TPE1660	TPE1660	TPE1661	TPE1661
			Depth (m)	0.50	0.50	1.50	2.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10918142	10917391	10917407	10917427	10917448	10917462
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		94 ♦	83 ♦	88 ♦	80 ♦	80 ♦	84 ♦
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		335 ♦ M	<176 ♦ M	<176 ♦ M	<176 ♦ M	<176 ♦ M	<176 ♦ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 ♦ M	<20 ♦ M	<20 ♦ M	<20 ♦ M	<20 ♦ M	<20 ♦ M
Benzene	<10 µg/kg	TM089		<40 ♦ M	<40 ♦ M	<40 ♦ M	<40 ♦ M	<40 ♦ M	<40 ♦ M
Toluene	<2 µg/kg	TM089		<8 ♦ M	<8 ♦ M	<8 ♦ M	<8 ♦ M	<8 ♦ M	<8 ♦ M
Ethylbenzene	<3 µg/kg	TM089		<12 ♦ M	<12 ♦ M	<12 ♦ M	<12 ♦ M	<12 ♦ M	<12 ♦ M
m,p-Xylene	<6 µg/kg	TM089		<24 ♦ M	<24 ♦ M	<24 ♦ M	<24 ♦ M	<24 ♦ M	<24 ♦ M
o-Xylene	<3 µg/kg	TM089		<12 ♦ M	<12 ♦ M	<12 ♦ M	<12 ♦ M	<12 ♦ M	<12 ♦ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 ♦	<9 ♦	<9 ♦	<9 ♦	<9 ♦	<9 ♦
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 ♦	<24 ♦	<24 ♦	<24 ♦	<24 ♦	<24 ♦
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦
Aliphatics >C8-C10	<10 µg/kg	TM089		77 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦
Aliphatics >C10-C12	<10 µg/kg	TM089		86.4 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦
Aliphatics >C12-C16	<100 µg/kg	TM173		18200	<100	<100	<100	3960	296
Aliphatics >C16-C21	<100 µg/kg	TM173		67600	<100	<100	<100	5480	2940
Aliphatics >C21-C35	<100 µg/kg	TM173		189000	10700	4320	11500	7720	9970
Aliphatics >C35-C44	<100 µg/kg	TM173		78100	<100	<100	<100	2200	1830
Total Aliphatics >C12-C44	<100 µg/kg	TM173		353000	10700	4320	11500	19400	15000
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		62.1 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦
Aromatics >EC10-EC12	<10 µg/kg	TM089		56.7 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦	<40 ♦
Aromatics >EC12-EC16	<100 µg/kg	TM173		1520	954	827	<100	3620	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		15200	2060	1730	1710	47500	3710
Aromatics >EC21-EC35	<100 µg/kg	TM173		127000	15300	14300	12800	156000	24400
Aromatics >EC35-EC44	<100 µg/kg	TM173		81700	12300	16100	9030	45900	17900
Aromatics >EC40-EC44	<100 µg/kg	TM173		34100	5670	7540	4040	16900	8060
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		225000	30500	33000	23500	253000	46000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		578000	41300	37300	35000	272000	61100

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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	TPE1691	TPE1691	TPE1691	TPE1708	TPE1708
			Depth (m)	0.50	1.50	2.50	0.70	1.70
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/02/2015	25/02/2015	25/02/2015	25/02/2015	25/02/2015
			Sample Time	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-71	150227-71	150227-71	150227-71	150227-71
			Lab Sample No.(s)	10917073	10917083	10917094	10917504	10917523
			AGS Reference					
GRO Surrogate % recovery**	%	TM089		86 ♦	82 ♦	93 ♦	110 ♦	103 ♦
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 ♦ M	1690 ♦ M	1040 ♦ M	<176 ♦ M	30300 ♦ 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		<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
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	<12 ♦ 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		<40 ♦	526 ♦	90.5 ♦	<40 ♦	806 ♦
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 ♦	816 ♦	348 ♦	<40 ♦	7790 ♦
Aliphatics >C8-C10	<10 µg/kg	TM089		<40 ♦	103 ♦	139 ♦	<40 ♦	9290 ♦
Aliphatics >C10-C12	<10 µg/kg	TM089		<40 ♦	86.4 ♦	221 ♦	<40 ♦	3720 ♦
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	718	<100	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		11900	32200	6520	4400	<100
Aliphatics >C35-C44	<100 µg/kg	TM173		5280	5290	<100	2330	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		17100	38200	6520	6730	<100
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		<40 ♦	98.4 ♦	93 ♦	<40 ♦	6190 ♦
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40 ♦	57.6 ♦	148 ♦	<40 ♦	2480 ♦
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	1150	<100	356	2140
Aromatics >EC16-EC21	<100 µg/kg	TM173		1100	3370	<100	931	1960
Aromatics >EC21-EC35	<100 µg/kg	TM173		16700	82900	7640	11000	2010
Aromatics >EC35-EC44	<100 µg/kg	TM173		12200	24400	841	8490	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		5080	6610	150	3760	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		29900	112000	8480	20800	6100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		47100	152000	16000	27500	36400

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

Asbestos Quantification - Full

		Additional Asbestos Components (Using TM048)	Analysts Comments	Asbestos Quantification - Detailed Gravimetric - %	Asbestos Quantification - Gravimetric - %	Asbestos Quantification - Total - %
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP1203 0.50 SOLID 25/02/2015 00:00:00 06/05/2015 13:52:50 150227-71 10918146 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	IP1209 0.50 SOLID 25/02/2015 00:00:00 06/05/2015 10:53:45 150227-71 10916986 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	IP1312 0.50 SOLID 25/02/2015 00:00:00 07/05/2015 08:19:03 150227-71 10917740 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	IP1319 0.50 SOLID 25/02/2015 00:00:00 06/05/2015 15:02:14 150227-71 10917941 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	IP1320 0.50 SOLID 25/02/2015 00:00:00 06/05/2015 10:56:50 150227-71 10917895 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

		Additional Asbestos Components (Using TM048)	Analysts Comments	Asbestos Quantification - Detailed Gravimetric - %	Asbestos Quantification - Gravimetric - %	Asbestos Quantification - Total - %
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP1582 0.50 SOLID 25/02/2015 00:00:00 28/04/2015 09:34:44 150227-71 10917062 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	IP1860 0.50 SOLID 25/02/2015 00:00:00 06/05/2015 14:48:58 150227-71 10918177 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	IP1898 0.50 SOLID 25/02/2015 00:00:00 06/05/2015 13:31:19 150227-71 10918084 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	IP1899 0.50 SOLID 25/02/2015 00:00:00 06/05/2015 12:02:05 150227-71 10917307 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	IP2032 0.50 SOLID 25/02/2015 00:00:00 07/05/2015 08:23:41 150227-71 10917168 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	IP2328 0.50 SOLID 25/02/2015 00:00:00 06/05/2015 11:00:31 150227-71 10918109 TM 304	None (#)	N/C	0.0011 (#)	<0.001 (#)	0.0011 (#)

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

		Additional Asbestos Components (Using TM048)	Analysts Comments	Asbestos Quantification - Detailed Gravimetric - %	Asbestos Quantification - Gravimetric - %	Asbestos Quantification - Total - %
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE0423 1.00 SOLID 25/02/2015 00:00:00 06/05/2015 13:48:19 150227-71 10918002 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

Notification of NDPs (No determination possible)

Date Received : 27/02/2015 12:19:34

Sample No	Customer Sample Ref.	Depth (m)	Test	Comment
10917544	IP1210	0.50	Asbestos Quant. Detail Gravimetric	Insufficient Sample

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

Test Completion Dates

Lab Sample No(s)	10918021	10918026	10918035	10918041	10918048	10918052	10916977	10917639	10917815	10917918
Customer Sample Ref.	IP0062	IP0062	IP0068	IP0068	IP0068	IP0068	IP1095	IP1095	IP1095	IP1096
AGS Ref.										
Depth	0.50	1.50	1.00	2.50	3.50	4.00	0.50	1.50	2.50	0.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos fibres in Soil*	11-Mar-2015		11-Mar-2015				11-Mar-2015			11-Mar-2015
EPH CWG (Aliphatic) GC (S)	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	20-Mar-2015	20-Mar-2015	20-Mar-2015	20-Mar-2015
EPH CWG (Aromatic) GC (S)	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	20-Mar-2015	20-Mar-2015	20-Mar-2015	20-Mar-2015
GRO by GC-FID (S)	21-Mar-2015	21-Mar-2015	23-Mar-2015	21-Mar-2015	21-Mar-2015	21-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015
Metals in solid samples by OES	20-Mar-2015	20-Mar-2015	20-Mar-2015	18-Mar-2015	19-Mar-2015	20-Mar-2015	18-Mar-2015	18-Mar-2015	18-Mar-2015	19-Mar-2015
PAH by GCMS	18-Mar-2015	18-Mar-2015	18-Mar-2015	18-Mar-2015	18-Mar-2015	18-Mar-2015	18-Mar-2015	17-Mar-2015	17-Mar-2015	18-Mar-2015
pH	20-Mar-2015	21-Mar-2015	20-Mar-2015	21-Mar-2015	21-Mar-2015	21-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015
Sample description	11-Mar-2015	11-Mar-2015	12-Mar-2015	12-Mar-2015	12-Mar-2015	12-Mar-2015	12-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015
Total Organic Carbon			20-Mar-2015				18-Mar-2015			
TPH CWG GC (S)	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015

Lab Sample No(s)	10917973	10918030	10918090	10918146	10918217	10916986	10917120	10917291	10917485	10917544
Customer Sample Ref.	IP1096	IP1096	IP1096	IP1203	IP1203	IP1209	IP1209	IP1209	IP1209	IP1210
AGS Ref.										
Depth	1.50	2.50	3.40	0.50	1.50	0.50	1.50	2.50	3.50	0.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos fibres in Soil*				11-Mar-2015		11-Mar-2015				11-Mar-2015
Asbestos Quant. Detail Gravimetric				11-May-2015		12-May-2015				
EPH CWG (Aliphatic) GC (S)	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	19-Mar-2015	20-Mar-2015	20-Mar-2015	20-Mar-2015	20-Mar-2015
EPH CWG (Aromatic) GC (S)	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	19-Mar-2015	20-Mar-2015	20-Mar-2015	20-Mar-2015	20-Mar-2015
GRO by GC-FID (S)	24-Mar-2015	23-Mar-2015	24-Mar-2015	23-Mar-2015	24-Mar-2015	21-Mar-2015	21-Mar-2015	21-Mar-2015	21-Mar-2015	23-Mar-2015
Metals in solid samples by OES	18-Mar-2015	18-Mar-2015	18-Mar-2015	23-Mar-2015	18-Mar-2015	19-Mar-2015	18-Mar-2015	18-Mar-2015	18-Mar-2015	20-Mar-2015
PAH by GCMS	18-Mar-2015	21-Mar-2015	17-Mar-2015	21-Mar-2015	18-Mar-2015	16-Mar-2015	18-Mar-2015	18-Mar-2015	18-Mar-2015	19-Mar-2015
pH	21-Mar-2015	21-Mar-2015	21-Mar-2015	21-Mar-2015	21-Mar-2015	20-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015
Sample description	10-Mar-2015	10-Mar-2015	10-Mar-2015	11-Mar-2015	10-Mar-2015	11-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015
Total Organic Carbon				23-Mar-2015						
TPH CWG GC (S)	24-Mar-2015	23-Mar-2015	24-Mar-2015	23-Mar-2015	24-Mar-2015	21-Mar-2015	21-Mar-2015	21-Mar-2015	21-Mar-2015	23-Mar-2015

Lab Sample No(s)	10917672	10917686	10917706	10917721	10917559	10917740	10917754	10917768	10917778	10917577
Customer Sample Ref.	IP1210	IP1210	IP1210	IP1210	IP1312	IP1312	IP1312	IP1312	IP1312	IP1318
AGS Ref.										
Depth	1.50	2.60	3.40	4.40	4.50	0.50	1.50	2.50	3.50	0.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos fibres in Soil*						11-Mar-2015				11-Mar-2015
Asbestos Quant. Detail Gravimetric						12-May-2015				
EPH CWG (Aliphatic) GC (S)	20-Mar-2015	20-Mar-2015	20-Mar-2015	20-Mar-2015	20-Mar-2015	20-Mar-2015	19-Mar-2015	19-Mar-2015	20-Mar-2015	20-Mar-2015
EPH CWG (Aromatic) GC (S)	20-Mar-2015	20-Mar-2015	20-Mar-2015	20-Mar-2015	20-Mar-2015	20-Mar-2015	19-Mar-2015	19-Mar-2015	20-Mar-2015	20-Mar-2015
GRO by GC-FID (S)	21-Mar-2015	21-Mar-2015	21-Mar-2015	21-Mar-2015	21-Mar-2015	24-Mar-2015	24-Mar-2015	24-Mar-2015	24-Mar-2015	24-Mar-2015
Metals in solid samples by OES	18-Mar-2015	17-Mar-2015	18-Mar-2015	18-Mar-2015	18-Mar-2015	17-Mar-2015	18-Mar-2015	18-Mar-2015	20-Mar-2015	18-Mar-2015
PAH by GCMS	18-Mar-2015	17-Mar-2015	18-Mar-2015	18-Mar-2015	18-Mar-2015	16-Mar-2015	18-Mar-2015	18-Mar-2015	18-Mar-2015	16-Mar-2015
pH	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	20-Mar-2015	19-Mar-2015	17-Mar-2015	20-Mar-2015	19-Mar-2015
Sample description	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	09-Mar-2015	11-Mar-2015	09-Mar-2015	09-Mar-2015	10-Mar-2015	11-Mar-2015
Total Organic Carbon						18-Mar-2015				
TPH CWG GC (S)	21-Mar-2015	21-Mar-2015	21-Mar-2015	21-Mar-2015	21-Mar-2015	24-Mar-2015	24-Mar-2015	24-Mar-2015	24-Mar-2015	24-Mar-2015

Lab Sample No(s)	10917589	10917605	10917621	10917658	10917941	10917945	10917951	10917957	10917962	10917895
Customer Sample Ref.	IP1318	IP1318	IP1318	IP1318	IP1319	IP1319	IP1319	IP1319	IP1319	IP1320
AGS Ref.										
Depth	1.50	2.50	3.50	4.50	0.50	1.50	2.50	3.50	4.50	0.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos fibres in Soil*					11-Mar-2015					11-Mar-2015
Asbestos Quant. Detail Gravimetric					11-May-2015					11-May-2015
EPH CWG (Aliphatic) GC (S)	19-Mar-2015	19-Mar-2015	19-Mar-2015	20-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	20-Mar-2015
EPH CWG (Aromatic) GC (S)	19-Mar-2015	19-Mar-2015	19-Mar-2015	20-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	20-Mar-2015
GRO by GC-FID (S)	24-Mar-2015	21-Mar-2015	24-Mar-2015	24-Mar-2015	24-Mar-2015	24-Mar-2015	24-Mar-2015	24-Mar-2015	24-Mar-2015	23-Mar-2015
Metals in solid samples by OES	19-Mar-2015	18-Mar-2015	18-Mar-2015	19-Mar-2015	23-Mar-2015	19-Mar-2015	18-Mar-2015	18-Mar-2015	18-Mar-2015	19-Mar-2015
PAH by GCMS	16-Mar-2015	18-Mar-2015	18-Mar-2015	18-Mar-2015	21-Mar-2015	18-Mar-2015	19-Mar-2015	19-Mar-2015	20-Mar-2015	19-Mar-2015
pH	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	20-Mar-2015	21-Mar-2015	21-Mar-2015	20-Mar-2015	21-Mar-2015	19-Mar-2015
Sample description	09-Mar-2015	09-Mar-2015	09-Mar-2015	09-Mar-2015	11-Mar-2015	11-Mar-2015	11-Mar-2015	11-Mar-2015	11-Mar-2015	13-Mar-2015
Total Organic Carbon		18-Mar-2015			23-Mar-2015					19-Mar-2015
TPH CWG GC (S)	24-Mar-2015	21-Mar-2015	24-Mar-2015	24-Mar-2015	24-Mar-2015	24-Mar-2015	24-Mar-2015	24-Mar-2015	24-Mar-2015	23-Mar-2015

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

Lab Sample No(s)	10917904	10917909	10917914	10917922	10917062	10917032	10917043	10917001	10917019	10918254
Customer Sample Ref.	IP1320	IP1320	IP1320	IP1320	IP1582	IP1678	IP1678	IP1679	IP1679	IP1729
AGS Ref.										
Depth	1.50	2.50	3.50	4.50	0.50	0.50	1.50	0.50	1.50	0.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos fibres in Soil*					11-Mar-2015	11-Mar-2015		11-Mar-2015		11-Mar-2015
Asbestos Quant. Detail Gravimetric					12-May-2015					
EPH CWG (Aliphatic) GC (S)	20-Mar-2015	19-Mar-2015	20-Mar-2015	23-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	20-Mar-2015	20-Mar-2015	23-Mar-2015
EPH CWG (Aromatic) GC (S)	20-Mar-2015	19-Mar-2015	20-Mar-2015	23-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	20-Mar-2015	20-Mar-2015	23-Mar-2015
GRO by GC-FID (S)	23-Mar-2015	23-Mar-2015	23-Mar-2015	24-Mar-2015	20-Mar-2015	24-Mar-2015	24-Mar-2015	20-Mar-2015	21-Mar-2015	21-Mar-2015
Metals in solid samples by OES	19-Mar-2015	18-Mar-2015	19-Mar-2015	18-Mar-2015	20-Mar-2015	18-Mar-2015	19-Mar-2015	20-Mar-2015	18-Mar-2015	18-Mar-2015
PAH by GCMS	17-Mar-2015	18-Mar-2015	17-Mar-2015		18-Mar-2015	18-Mar-2015	15-Mar-2015	19-Mar-2015	18-Mar-2015	18-Mar-2015
pH	19-Mar-2015	19-Mar-2015	20-Mar-2015	21-Mar-2015	20-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	20-Mar-2015
Sample description	11-Mar-2015	12-Mar-2015	11-Mar-2015	12-Mar-2015	10-Mar-2015	10-Mar-2015	09-Mar-2015	10-Mar-2015	10-Mar-2015	11-Mar-2015
Total Organic Carbon								19-Mar-2015		
TPH CWG GC (S)	23-Mar-2015	23-Mar-2015	23-Mar-2015	24-Mar-2015	20-Mar-2015	24-Mar-2015	24-Mar-2015	20-Mar-2015	21-Mar-2015	23-Mar-2015

Lab Sample No(s)	10918261	10917375	10917337	10917353	10918268	10918273	10918280	10918232	10918236	10918241
Customer Sample Ref.	IP1729	IP1730	IP1769	IP1769	IP1770	IP1770	IP1770	IP1771	IP1771	IP1771
AGS Ref.										
Depth	1.50	0.50	0.50	1.50	0.50	1.50	2.50	0.50	1.50	2.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos fibres in Soil*		11-Mar-2015	11-Mar-2015		11-Mar-2015			11-Mar-2015		
EPH CWG (Aliphatic) GC (S)	23-Mar-2015	19-Mar-2015	19-Mar-2015	20-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015
EPH CWG (Aromatic) GC (S)	23-Mar-2015	19-Mar-2015	19-Mar-2015	20-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015
GRO by GC-FID (S)	21-Mar-2015	20-Mar-2015	24-Mar-2015	21-Mar-2015	21-Mar-2015	21-Mar-2015	24-Mar-2015	21-Mar-2015	21-Mar-2015	24-Mar-2015
Metals in solid samples by OES	18-Mar-2015	18-Mar-2015	18-Mar-2015	17-Mar-2015	23-Mar-2015	18-Mar-2015	18-Mar-2015	18-Mar-2015	20-Mar-2015	18-Mar-2015
PAH by GCMS	18-Mar-2015	18-Mar-2015	18-Mar-2015	15-Mar-2015	21-Mar-2015	18-Mar-2015	18-Mar-2015	18-Mar-2015	18-Mar-2015	18-Mar-2015
pH	21-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	20-Mar-2015	21-Mar-2015	21-Mar-2015	20-Mar-2015	21-Mar-2015	21-Mar-2015
Sample description	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	11-Mar-2015	10-Mar-2015	10-Mar-2015
Total Organic Carbon			18-Mar-2015					18-Mar-2015		
TPH CWG GC (S)	23-Mar-2015	20-Mar-2015	23-Mar-2015	21-Mar-2015	23-Mar-2015	23-Mar-2015	24-Mar-2015	23-Mar-2015	23-Mar-2015	24-Mar-2015

Lab Sample No(s)	10918249	10918194	10918203	10918208	10918225	10918177	10918182	10918187	10918084	10918095
Customer Sample Ref.	IP1771	IP1815	IP1815	IP1815	IP1815	IP1860	IP1860	IP1860	IP1898	IP1898
AGS Ref.										
Depth	3.50	0.50	1.50	2.50	3.30	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*		11-Mar-2015				11-Mar-2015			11-Mar-2015	
Asbestos Quant. Detail Gravimetric						11-May-2015			11-May-2015	
EPH CWG (Aliphatic) GC (S)	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015
EPH CWG (Aromatic) GC (S)	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015
GRO by GC-FID (S)	21-Mar-2015	21-Mar-2015	21-Mar-2015	25-Mar-2015	23-Mar-2015	21-Mar-2015	21-Mar-2015	21-Mar-2015	21-Mar-2015	21-Mar-2015
Metals in solid samples by OES	18-Mar-2015	17-Mar-2015	20-Mar-2015	17-Mar-2015	18-Mar-2015	20-Mar-2015	17-Mar-2015	17-Mar-2015	23-Mar-2015	18-Mar-2015
PAH by GCMS	18-Mar-2015	18-Mar-2015	18-Mar-2015	18-Mar-2015	18-Mar-2015	21-Mar-2015	18-Mar-2015	18-Mar-2015	21-Mar-2015	21-Mar-2015
pH	21-Mar-2015	20-Mar-2015	21-Mar-2015	21-Mar-2015	21-Mar-2015	20-Mar-2015	21-Mar-2015	21-Mar-2015	21-Mar-2015	21-Mar-2015
Sample description	10-Mar-2015	11-Mar-2015	11-Mar-2015	11-Mar-2015	10-Mar-2015	12-Mar-2015	11-Mar-2015	11-Mar-2015	10-Mar-2015	10-Mar-2015
Total Organic Carbon						23-Mar-2015			23-Mar-2015	
TPH CWG GC (S)	23-Mar-2015	23-Mar-2015	23-Mar-2015	25-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015

Lab Sample No(s)	10918100	10918104	10917307	10917218	10917235	10917250	10918073	10918079	10917168	10917183
Customer Sample Ref.	IP1898	IP1898	IP1899	IP1944	IP1944	IP1944	IP1968	IP1968	IP2032	IP2032
AGS Ref.										
Depth	2.50	3.50	0.50	0.50	1.50	2.50	0.50	1.50	0.50	1.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos fibres in Soil*			11-Mar-2015	11-Mar-2015			11-Mar-2015		11-Mar-2015	
Asbestos Quant. Detail Gravimetric			12-May-2015						12-May-2015	
EPH CWG (Aliphatic) GC (S)	23-Mar-2015	23-Mar-2015	19-Mar-2015	20-Mar-2015	20-Mar-2015	20-Mar-2015	23-Mar-2015	23-Mar-2015	19-Mar-2015	19-Mar-2015
EPH CWG (Aromatic) GC (S)	23-Mar-2015	23-Mar-2015	19-Mar-2015	20-Mar-2015	20-Mar-2015	20-Mar-2015	23-Mar-2015	23-Mar-2015	19-Mar-2015	19-Mar-2015
GRO by GC-FID (S)	23-Mar-2015	21-Mar-2015	23-Mar-2015	24-Mar-2015	24-Mar-2015	24-Mar-2015	21-Mar-2015	24-Mar-2015	24-Mar-2015	24-Mar-2015
Metals in solid samples by OES	18-Mar-2015	18-Mar-2015	18-Mar-2015	20-Mar-2015	18-Mar-2015	17-Mar-2015	20-Mar-2015	20-Mar-2015	20-Mar-2015	17-Mar-2015
PAH by GCMS	18-Mar-2015	18-Mar-2015	20-Mar-2015	19-Mar-2015	17-Mar-2015	17-Mar-2015	18-Mar-2015	18-Mar-2015	18-Mar-2015	18-Mar-2015
pH	21-Mar-2015	21-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	20-Mar-2015	21-Mar-2015	20-Mar-2015	19-Mar-2015
Sample description	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	11-Mar-2015	11-Mar-2015	09-Mar-2015	07-Mar-2015
TPH CWG GC (S)	23-Mar-2015	23-Mar-2015	23-Mar-2015	24-Mar-2015	24-Mar-2015	24-Mar-2015	23-Mar-2015	24-Mar-2015	24-Mar-2015	24-Mar-2015

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

Lab Sample No(s)	10917200	10917152	10918165	10918171	10918153	10918160	10917133	10918131	10918137	10918109
Customer Sample Ref.	IP2032	IP2033	IP2034	IP2034	IP2081	IP2081	IP2227	IP2327	IP2327	IP2328
AGS Ref.										
Depth	2.50	0.50	0.50	1.50	0.50	1.60	0.50	0.50	1.70	0.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos fibres in Soil*		11-Mar-2015	11-Mar-2015		11-Mar-2015		11-Mar-2015	11-Mar-2015		11-Mar-2015
Asbestos Quant. Detail Gravimetric										12-May-2015
EPH CWG (Aliphatic) GC (S)	19-Mar-2015	19-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	19-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015
EPH CWG (Aromatic) GC (S)	19-Mar-2015	19-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	19-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015
GRO by GC-FID (S)	24-Mar-2015	20-Mar-2015	21-Mar-2015	21-Mar-2015	21-Mar-2015	21-Mar-2015	24-Mar-2015	24-Mar-2015	24-Mar-2015	21-Mar-2015
Metals in solid samples by OES	17-Mar-2015	19-Mar-2015	19-Mar-2015	20-Mar-2015	18-Mar-2015	20-Mar-2015	18-Mar-2015	18-Mar-2015	20-Mar-2015	17-Mar-2015
PAH by GCMS	18-Mar-2015	18-Mar-2015	19-Mar-2015	18-Mar-2015	18-Mar-2015	18-Mar-2015	18-Mar-2015	21-Mar-2015	18-Mar-2015	20-Mar-2015
pH	19-Mar-2015	19-Mar-2015	20-Mar-2015	21-Mar-2015	20-Mar-2015	21-Mar-2015	19-Mar-2015	20-Mar-2015	21-Mar-2015	20-Mar-2015
Sample description	07-Mar-2015	09-Mar-2015	11-Mar-2015	11-Mar-2015	11-Mar-2015	11-Mar-2015	09-Mar-2015	11-Mar-2015	11-Mar-2015	12-Mar-2015
Total Organic Carbon								20-Mar-2015		
TPH CWG GC (S)	24-Mar-2015	20-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	24-Mar-2015	24-Mar-2015	24-Mar-2015	23-Mar-2015

Lab Sample No(s)	10918117	10918123	10918127	10918002	10918006	10918012	10918016	10917844	10917858	10917868
Customer Sample Ref.	IP2328	IP2745	IP2745	TPE0423	TPE0423	TPE0423	TPE0423	TPE0578	TPE0578	TPE0578
AGS Ref.										
Depth	1.50	0.50	1.70	1.00	2.00	3.00	4.00	0.50	1.50	2.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos fibres in Soil*		11-Mar-2015		11-Mar-2015				11-Mar-2015		
Asbestos Quant. Detail Gravimetric				11-May-2015						
EPH CWG (Aliphatic) GC (S)	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	19-Mar-2015	20-Mar-2015	20-Mar-2015
EPH CWG (Aromatic) GC (S)	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	19-Mar-2015	20-Mar-2015	20-Mar-2015
GRO by GC-FID (S)	21-Mar-2015	21-Mar-2015	21-Mar-2015	21-Mar-2015	21-Mar-2015	21-Mar-2015	21-Mar-2015	21-Mar-2015	21-Mar-2015	21-Mar-2015
Metals in solid samples by OES	20-Mar-2015	18-Mar-2015	20-Mar-2015	20-Mar-2015	20-Mar-2015	20-Mar-2015	20-Mar-2015	20-Mar-2015	19-Mar-2015	18-Mar-2015
PAH by GCMS	19-Mar-2015	19-Mar-2015	18-Mar-2015	21-Mar-2015	18-Mar-2015	18-Mar-2015	18-Mar-2015	19-Mar-2015	17-Mar-2015	18-Mar-2015
pH	21-Mar-2015	20-Mar-2015	21-Mar-2015	21-Mar-2015	21-Mar-2015	21-Mar-2015	21-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015
Sample description	11-Mar-2015	11-Mar-2015	11-Mar-2015	12-Mar-2015	11-Mar-2015	11-Mar-2015	11-Mar-2015	11-Mar-2015	11-Mar-2015	10-Mar-2015
Total Organic Carbon				23-Mar-2015				20-Mar-2015		
TPH CWG GC (S)	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	21-Mar-2015	21-Mar-2015	21-Mar-2015

Lab Sample No(s)	10917878	10917885	10917794	10917827	10917926	10917931	10917937	10917969	10917977	10917983
Customer Sample Ref.	TPE0578	TPE0578	TPE0651	TPE0651	TPE0651	TPE0651	TPE0651	TPE0674	TPE0674	TPE0674
AGS Ref.										
Depth	3.50	4.50	3.50	4.50	0.50	1.50	2.50	0.50	1.50	2.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos fibres in Soil*					11-Mar-2015			11-Mar-2015		
EPH CWG (Aliphatic) GC (S)	20-Mar-2015	20-Mar-2015	20-Mar-2015	20-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015
EPH CWG (Aromatic) GC (S)	20-Mar-2015	20-Mar-2015	20-Mar-2015	20-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015
GRO by GC-FID (S)	21-Mar-2015	21-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	24-Mar-2015	24-Mar-2015	24-Mar-2015	24-Mar-2015	24-Mar-2015
Metals in solid samples by OES	17-Mar-2015	18-Mar-2015	18-Mar-2015	17-Mar-2015	20-Mar-2015	23-Mar-2015	18-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015
PAH by GCMS	17-Mar-2015	17-Mar-2015	17-Mar-2015	17-Mar-2015	21-Mar-2015	21-Mar-2015	20-Mar-2015	21-Mar-2015	21-Mar-2015	
pH	19-Mar-2015	19-Mar-2015	19-Mar-2015	20-Mar-2015	20-Mar-2015	23-Mar-2015	21-Mar-2015	20-Mar-2015	21-Mar-2015	21-Mar-2015
Sample description	10-Mar-2015	10-Mar-2015	11-Mar-2015	11-Mar-2015	11-Mar-2015	11-Mar-2015	11-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015
TPH CWG GC (S)	21-Mar-2015	21-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	24-Mar-2015	24-Mar-2015	24-Mar-2015	24-Mar-2015	24-Mar-2015

Lab Sample No(s)	10917989	10917997	10917052	10917324	10918057	10918063	10918068	10917264	10917279	10917108
Customer Sample Ref.	TPE0674	TPE0674	TPE0762	TPE0847	TPE853	TPE853	TPE853	TPE0903	TPE0903	TPE0957
AGS Ref.										
Depth	3.50	4.50	0.50	0.50	0.50	1.50	2.50	0.50	1.50	0.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos fibres in Soil*			11-Mar-2015	11-Mar-2015	11-Mar-2015			11-Mar-2015		11-Mar-2015
EPH CWG (Aliphatic) GC (S)	23-Mar-2015	23-Mar-2015	19-Mar-2015	19-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	19-Mar-2015	19-Mar-2015	20-Mar-2015
EPH CWG (Aromatic) GC (S)	23-Mar-2015	23-Mar-2015	19-Mar-2015	19-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	19-Mar-2015	19-Mar-2015	20-Mar-2015
GRO by GC-FID (S)	24-Mar-2015	24-Mar-2015	24-Mar-2015	23-Mar-2015	21-Mar-2015	21-Mar-2015	21-Mar-2015	24-Mar-2015	24-Mar-2015	23-Mar-2015
Metals in solid samples by OES	23-Mar-2015	23-Mar-2015	18-Mar-2015	18-Mar-2015	13-Mar-2015	20-Mar-2015	18-Mar-2015	18-Mar-2015	17-Mar-2015	18-Mar-2015
PAH by GCMS			18-Mar-2015	18-Mar-2015	18-Mar-2015	18-Mar-2015	17-Mar-2015	18-Mar-2015	15-Mar-2015	18-Mar-2015
pH	20-Mar-2015	23-Mar-2015	19-Mar-2015	19-Mar-2015	20-Mar-2015	21-Mar-2015	21-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015
Sample description	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	11-Mar-2015	11-Mar-2015	11-Mar-2015	09-Mar-2015	05-Mar-2015	10-Mar-2015
TPH CWG GC (S)	24-Mar-2015	24-Mar-2015	24-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	24-Mar-2015	24-Mar-2015	23-Mar-2015

CERTIFICATE OF ANALYSIS

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

Lab Sample No(s)	10918142	10917391	10917407	10917427	10917448	10917462	10917073	10917083	10917094	10917504
Customer Sample Ref.	TPE1079	TPE1660	TPE1660	TPE1660	TPE1661	TPE1661	TPE1691	TPE1691	TPE1691	TPE1708
AGS Ref.										
Depth	0.50	0.50	1.50	2.50	0.50	1.50	0.50	1.50	2.50	0.70
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos fibres in Soil*	11-Mar-2015	11-Mar-2015			11-Mar-2015		11-Mar-2015			11-Mar-2015
EPH CWG (Aliphatic) GC (S)	23-Mar-2015	20-Mar-2015	20-Mar-2015	20-Mar-2015	20-Mar-2015	20-Mar-2015	20-Mar-2015	20-Mar-2015	20-Mar-2015	20-Mar-2015
EPH CWG (Aromatic) GC (S)	23-Mar-2015	20-Mar-2015	20-Mar-2015	20-Mar-2015	20-Mar-2015	20-Mar-2015	20-Mar-2015	20-Mar-2015	20-Mar-2015	20-Mar-2015
GRO by GC-FID (S)	21-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015
Metals in solid samples by OES	18-Mar-2015	19-Mar-2015	18-Mar-2015	18-Mar-2015	20-Mar-2015	18-Mar-2015	20-Mar-2015	19-Mar-2015	18-Mar-2015	20-Mar-2015
PAH by GCMS	19-Mar-2015	18-Mar-2015	18-Mar-2015	17-Mar-2015	19-Mar-2015	18-Mar-2015	19-Mar-2015	17-Mar-2015	17-Mar-2015	19-Mar-2015
pH	20-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015
Sample description	11-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015
Total Organic Carbon							20-Mar-2015			20-Mar-2015
TPH CWG GC (S)	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015	23-Mar-2015

Lab Sample No(s)	10917523
Customer Sample Ref.	TPE1708
AGS Ref.	
Depth	1.70
Type	SOLID
EPH CWG (Aliphatic) GC (S)	20-Mar-2015
EPH CWG (Aromatic) GC (S)	20-Mar-2015
GRO by GC-FID (S)	23-Mar-2015
Metals in solid samples by OES	18-Mar-2015
PAH by GCMS	17-Mar-2015
pH	20-Mar-2015
Sample description	10-Mar-2015
TPH CWG GC (S)	23-Mar-2015

Derwentside Environmental Testing Services

Certificate of Analysis

Certificate Number 15-28969

10-Mar-15

Client	Alcontrol Laboratories Units 7 & 8 Hawarden Business Park Manor Road Hawarden Deeside CH5 3US
Our Reference	15-28969
Client Reference	(not supplied)
Contract Title	150227-71
Description	47 Soil samples.
Date Received	05-Mar-15
Date Started	05-Mar-15
Date Completed	10-Mar-15
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 15-28969
Client Ref
Contract Title 150227-71

Lab No	Sample ID	Material Type	Result	Comment*	Analyst
778193	10940517 IP0062 0.50	SOIL	NAD	none	D Wilkinson
778194	10941154 IP0068 1.00	SOIL	NAD	none	D Wilkinson
778195	10940332 IP1095 0.50	SOIL	NAD	none	D Wilkinson
778196	10940312 IP1096 0.50	SOIL	NAD	none	D Wilkinson
778197	10940583 IP1203 0.50	SOIL	Chrysotile	Chrysotile present as fibre bundle	D Wilkinson
778198	10940273 IP1209 0.50	SOIL	Chrysotile	Chrysotile present as small fibre bundle	D Wilkinson
778199	10940713 IP1210 0.50	SOIL	Chrysotile	Chrysotile present as fibre clumps	D Wilkinson
778200	10940740 IP1312 0.50	SOIL	Chrysotile	chrysotile present in woven product	D Wilkinson
778201	10940874 IP1318 0.50	SOIL	NAD	none	D Wilkinson
778202	10940412 IP1319 0.50	SOIL	Chrysotile	Chrysotile present as small fibre bundle	D Wilkinson
778203	10940295 IP1320 0.50	SOIL	Chrysotile	Chrysotile present as fibre bundle	D Wilkinson
778204	10933111 IP1582 0.50	SOIL	Chrysotile	chrysotile present as clump and fibre bundle	D Wilkinson
778205	10933141 IP1678 0.50	SOIL	NAD	none	D Wilkinson
778206	10940228 IP1679 0.50	SOIL	NAD	none	D Wilkinson
778207	10940653 IP1729 0.50	SOIL	NAD	none	D Wilkinson
778208	10940862 IP1730 0.50	SOIL	NAD	none	D Wilkinson
778209	10940120 IP1769 0.50	SOIL	NAD	none	D Wilkinson
778210	10940215 IP1770 0.50	SOIL	NAD	none	D Wilkinson
778211	10940236 IP1771 0.50	SOIL	NAD	none	D Wilkinson
778212	10940474 IP1815 0.50	SOIL	NAD	none	D Wilkinson
778213	10940464 IP1860 0.50	SOIL	Chrysotile	Chrysotile present as fibre bundle	D Wilkinson
778214	10940510 IP1898 0.50	SOIL	Chrysotile	Chrysotile present as fibre bundle	D Wilkinson
778215	10940145 IP1899 0.50	SOIL	Chrysotile	Chrysotile present as fibre bundle	D Wilkinson
778216	10940153 IP1944 0.50	SOIL	NAD	none	D Wilkinson
778217	10940843 IP1968 0.50	SOIL	NAD	none	D Wilkinson
778218	10940777 IP2032 0.50	SOIL	Chrysotile	Chrysotile present as fibre bundle	D Wilkinson
778219	10940756 IP2033 0.50	SOIL	NAD	none	D Wilkinson
778220	10940815 IP2034 0.50	SOIL	NAD	none	D Wilkinson
778221	10940834 IP2081 0.50	SOIL	NAD	none	D Wilkinson
778222	10940764 IP2227 0.50	SOIL	NAD	none	D Wilkinson
778223	10940456 IP2327 0.50	SOIL	NAD	none	D Wilkinson
778224	10940623 IP2328 0.50	SOIL	Chrysotile Amosite	Chrysotile and Amosite present as fibre bundles	D Wilkinson
778225	10940636 IP2745 0.50	SOIL	NAD	none	D Wilkinson
778226	10940528 TPE0423 1.00	SOIL	Chrysotile Amosite	Chrysotile and Amosite present as fibre bundles	D Wilkinson
778227	10940720 TPE0578 0.50	SOIL	NAD	none	D Wilkinson
778228	10940300 TPE0651 0.50	SOIL	NAD	none	D Wilkinson
778229	10940433 TPE0674 0.50	SOIL	NAD	none	D Wilkinson
778230	10933139 TPE0762 0.50	SOIL	NAD	none	D Wilkinson
778231	10940132 TPE0847 0.50	SOIL	NAD	none	D Wilkinson
778232	10940783 TPE0903 0.50	SOIL	NAD	none	D Wilkinson
778233	10940696 TPE0957 0.50	SOIL	NAD	none	D Wilkinson

Summary of Asbestos Analysis
Soil Samples

Our Ref 15-28969
Client Ref
Contract Title 150227-71

Lab No	Sample ID	Material Type	Result	Comment*	Analyst
778234	10940615 TPE1079 0.50	SOIL	NAD	none	D Wilkinson
778235	10940692 TPE1660 0.50	SOIL	NAD	none	D Wilkinson
778236	10940688 TPE1661 0.50	SOIL	NAD	none	D Wilkinson
778237	10940590 TPE1691 0.50	SOIL	NAD	none	D Wilkinson
778238	10940584 TPE1708 0.70	SOIL	NAD	none	D Wilkinson
778239	10940802 TPE853 0.50	SOIL	NAD	none	D Wilkinson

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.

Information in Support of the Analytical Results

Our Ref 15-28969
Client Ref
Contract 150227-71

Containers Received & Deviating Samples

Lab No	Sample ID	Date Sampled	Containers Received	Holding time exceeded for tests	Inappropriate container for tests
778193	10940517 0.50 SOIL	25/02/15	PT 500ml		
778194	10941154 1.00 SOIL	25/02/15	PT 500ml		
778195	10940332 0.50 SOIL	25/02/15	PT 500ml		
778196	10940312 0.50 SOIL	25/02/15	PT 500ml		
778197	10940583 0.50 SOIL	25/02/15	PT 500ml		
778198	10940273 0.50 SOIL	25/02/15	PT 500ml		
778199	10940713 0.50 SOIL	25/02/15	PT 500ml		
778200	10940740 0.50 SOIL	25/02/15	PT 500ml		
778201	10940874 0.50 SOIL	25/02/15	PT 500ml		
778202	10940412 0.50 SOIL	25/02/15	PT 500ml		
778203	10940295 0.50 SOIL	25/02/15	PT 500ml		
778204	10933111 0.50 SOIL	25/02/15	PT 500ml		
778205	10933141 0.50 SOIL	25/02/15	PT 500ml		
778206	10940228 0.50 SOIL	25/02/15	PT 500ml		
778207	10940653 0.50 SOIL	25/02/15	PT 500ml		
778208	10940862 0.50 SOIL	25/02/15	PT 500ml		
778209	10940120 0.50 SOIL	25/02/15	PT 500ml		
778210	10940215 0.50 SOIL	25/02/15	PT 500ml		
778211	10940236 0.50 SOIL	25/02/15	PT 500ml		
778212	10940474 0.50 SOIL	25/02/15	PT 500ml		
778213	10940464 0.50 SOIL	25/02/15	PT 500ml		
778214	10940510 0.50 SOIL	25/02/15	PT 500ml		
778215	10940145 0.50 SOIL	25/02/15	PT 500ml		
778216	10940153 0.50 SOIL	25/02/15	PT 500ml		
778217	10940843 0.50 SOIL	25/02/15	PT 500ml		
778218	10940777 0.50 SOIL	25/02/15	PT 500ml		
778219	10940756 0.50 SOIL	25/02/15	PT 500ml		
778220	10940815 0.50 SOIL	25/02/15	PT 500ml		
778221	10940834 0.50 SOIL	25/02/15	PT 500ml		
778222	10940764 0.50 SOIL	25/02/15	PT 500ml		
778223	10940456 0.50 SOIL	25/02/15	PT 500ml		
778224	10940623 0.50 SOIL	25/02/15	PT 500ml		
778225	10940636 0.50 SOIL	25/02/15	PT 500ml		
778226	10940528 1.00 SOIL	25/02/15	PT 500ml		
778227	10940720 0.50 SOIL	25/02/15	PT 500ml		
778228	10940300 0.50 SOIL	25/02/15	PT 500ml		
778229	10940433 0.50 SOIL	25/02/15	PT 500ml		
778230	10933139 0.50 SOIL	25/02/15	PT 500ml		
778231	10940132 0.50 SOIL	25/02/15	PT 500ml		
778232	10940783 0.50 SOIL	25/02/15	PT 500ml		
778233	10940696 0.50 SOIL	25/02/15	PT 500ml		
778234	10940615 0.50 SOIL	25/02/15	PT 500ml		
778235	10940692 0.50 SOIL	25/02/15	PT 500ml		
778236	10940688 0.50 SOIL	25/02/15	PT 500ml		
778237	10940590 0.50 SOIL	25/02/15	PT 500ml		
778238	10940584 0.70 SOIL	25/02/15	PT 500ml		
778239	10940802 0.50 SOIL	25/02/15	PT 500ml		

Information in Support of the Analytical Results

Our Ref 15-28969
Client Ref
Contract 150227-71

Key: P-Plastic T-Tub

DETS cannot be held responsible for the integrity of samples received whereby the laboratory did not undertake the sampling. In this instance samples received may be deviating. Deviating Sample criteria are based on British and International standards and laboratory trials in conjunction with the UKAS note 'Guidance on Deviating Samples'. All samples received are listed above. However, those samples that have additional comments in relation to hold time and/or inappropriate containers are deviating due to the reasons stated. This means that the analysis is accredited where applicable, but results may be compromised due to sample deviations. If no sampled date (soils) or date+time (waters) has been supplied then samples are deviating. However, if you are able to supply a sampled date (and time for waters) this will prevent samples being reported as deviating where specific hold times are not exceeded and where the container supplied is suitable.

Disposal

From the issue date of this test certificate, samples will be held for the following times prior to disposal :-

Soils - 1 month, Liquids - 2 weeks, Asbestos (test portion) - 6 months

SDG:	150227-71	**Location:**	Coed Darcy	**Order Number:**	CD1114
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	312608
Client Reference:	Site Wide Trial Pitting	**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** - Surrogates are added to your sample to monitor recovery of the test requested. A % recovery is reported, results are not corrected for the recovery measured. Typical recoveries for organics tests are 70-130%, they are generally wider for volatiles analysis, 50-150%. Recoveries in soils are affected by organic rich or clay rich matrices. Waters can be affected by remediation fluids or high amounts of sediment. Test results are only ever reported if all of the associated quality checks pass; it is assumed that all recoveries outside of the values above are due to matrix affect.

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:	29 April 2015
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	150227-69
Your Reference:	Site Wide Trial Pitting
Location:	Coed Darcy
Report No:	310958

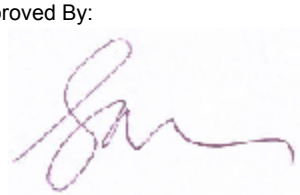
This report has been revised and directly supersedes 306272 in its entirety.

We received 96 samples on Friday February 27, 2015 and 96 of these samples were scheduled for analysis which was completed on Wednesday April 29, 2015. 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

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
10916954	IP0390		0.50	24/02/2015
10916960	IP0390		1.50	24/02/2015
10916966	IP0390		2.60	24/02/2015
10916807	IP0568		0.50	24/02/2015
10916815	IP0568		1.50	24/02/2015
10916823	IP0590		0.50	24/02/2015
10916831	IP0590		1.50	24/02/2015
10916838	IP0610		0.50	24/02/2015
10916842	IP0610		1.50	24/02/2015
10916847	IP0641		0.80	24/02/2015
10916851	IP0641		1.50	24/02/2015
10917081	IP0642		0.50	24/02/2015
10917180	IP0642		1.50	24/02/2015
10916794	IP0643		0.50	24/02/2015
10917290	IP0654		0.80	24/02/2015
10917450	IP0654		2.50	24/02/2015
10916767	IP0654		3.50	24/02/2015
10916771	IP0654		4.50	24/02/2015
10916760	IP0706		0.50	24/02/2015
10916811	IP0706		1.50	24/02/2015
10916871	IP0706		2.20	24/02/2015
10916922	IP0706		3.20	24/02/2015
10916987	IP0706		4.20	24/02/2015
10916775	IP0707		1.00	24/02/2015
10916779	IP0707		2.00	24/02/2015
10916785	IP0707		3.00	24/02/2015
10916789	IP0707		4.00	24/02/2015
10916857	IP0792		0.50	24/02/2015
10916861	IP0792		1.50	24/02/2015
10916865	IP0792		2.50	24/02/2015
10916875	IP0792		3.60	24/02/2015
10917017	IP0794		0.50	24/02/2015
10916972	IP0872		0.50	24/02/2015
10916979	IP0872		1.50	24/02/2015
10916996	IP0872		2.50	24/02/2015
10917006	IP0872		3.50	24/02/2015
10916937	IP0873		0.50	24/02/2015
10916941	IP0873		1.50	24/02/2015
10916945	IP0873		2.50	24/02/2015
10916949	IP0873		3.50	24/02/2015
10916907	IP0969		0.50	24/02/2015
10916911	IP0969		1.50	24/02/2015
10916916	IP0969		2.50	24/02/2015
10916931	IP0969		3.50	24/02/2015
10916880	IP0970		0.50	24/02/2015
10916885	IP0970		1.50	24/02/2015
10916889	IP0970		2.60	24/02/2015
10916893	IP1094		0.50	24/02/2015
10916897	IP1094		1.50	24/02/2015
10916903	IP1094		2.50	24/02/2015
10917049	IP3812		0.50	24/02/2015
10917057	IP3812		1.50	24/02/2015
10917065	IP3812		2.50	24/02/2015
10917525	IP3813		0.50	24/02/2015
10917539	IP3813		1.50	24/02/2015
10917313	IP3814		0.50	24/02/2015

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

10917327	IP3814	1.50	24/02/2015
10917338	IP3814	2.50	24/02/2015
10917281	IP3818	0.50	24/02/2015
10917302	IP3818	1.50	24/02/2015
10917471	IP3819	0.50	24/02/2015
10917487	IP3819	1.50	24/02/2015
10917355	IP3820	0.50	24/02/2015
10917374	IP3820	1.50	24/02/2015
10917024	IP3821	0.50	24/02/2015
10917034	IP3821	1.50	24/02/2015
10917041	IP3821	2.50	24/02/2015
10917193	IP3822	0.50	24/02/2015
10917202	IP3822	1.50	24/02/2015
10917215	IP3822	2.50	24/02/2015
10917403	IP3823	0.50	24/02/2015
10917420	IP3823	1.50	24/02/2015
10917393	IP3824	0.50	24/02/2015
10917500	IP3825	0.50	24/02/2015
10917515	IP3825	1.50	24/02/2015
10917112	IP3826	0.50	24/02/2015
10917119	IP3826	1.50	24/02/2015
10917127	IP3826	2.50	24/02/2015
10917236	IP3828	0.50	24/02/2015
10917243	IP3828	1.50	24/02/2015
10917228	IP3829	0.50	24/02/2015
10917438	IP3830	0.50	24/02/2015
10917458	IP3830	1.50	24/02/2015
10917171	IP3831	0.50	24/02/2015
10917187	IP3831	1.50	24/02/2015
10917137	IP3832	0.50	24/02/2015
10917149	IP3832	1.50	24/02/2015
10917160	IP3832	2.50	24/02/2015
10917251	IP3826A	0.50	24/02/2015
10917266	IP3826A	1.50	24/02/2015
10916798	TPE0301	1.00	24/02/2015
10916803	TPE0301	2.00	24/02/2015
10917074	TPE1663	0.50	24/02/2015
10917088	TPE1664	0.50	24/02/2015
10917096	TPE1665	0.50	24/02/2015
10917102	TPE1665	1.50	24/02/2015

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

ALcontrol Laboratories

CERTIFICATE OF ANALYSIS

Validated

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

SOLID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)					10916954			10916960			10916966			10916807			10916815			10916823			10916831			10916838			10916842			10916847			10916851			10917081			10917180	10916794
Customer Sample Reference					IP0390			IP0390			IP0390			IP0568			IP0568			IP0590			IP0590			IP0610			IP0610			IP0641			IP0641			IP0642			IP0642	IP0643
AGS Reference																																											
Depth (m)					0.50			1.50			2.60			0.50			1.50			0.50			1.50			0.50			1.50			0.80			1.50			0.50			1.50	0.50
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)	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: 39		X									X			X			X						X						X						X					
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 96	X			X			X			X			X			X			X			X			X			X			X			X			X			X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 96	X			X			X			X			X			X			X			X			X			X			X			X			X			X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 96			X			X			X			X			X			X			X			X			X			X			X			X			X	
Metals in solid samples by OES	All	NDPs: 0 Tests: 96	X			X			X			X			X			X			X			X			X			X			X			X			X			X
PAH by GCMS	All	NDPs: 0 Tests: 96	X			X			X			X			X			X			X			X			X			X			X			X			X			X
pH	All	NDPs: 0 Tests: 96		X			X			X			X			X			X			X			X			X			X			X			X			X		
Sample description	All	NDPs: 0 Tests: 96	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Total Organic Carbon	All	NDPs: 0 Tests: 24	X																					X												X						X
TPH CWG GC (S)	All	NDPs: 0 Tests: 96	X			X			X			X			X			X			X			X			X			X			X			X			X			X

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

SOLID

Results Legend

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

Lab Sample No(s)			10916794		10917290			10917450			10916767			10916771			10916760			10916811			10916871			10916922			10916987			10916775			10916779			10916785			10916789	
Customer Sample Reference			IP0643		IP0654			IP0654			IP0654			IP0654			IP0706			IP0706			IP0706			IP0706			IP0706			IP0707			IP0707			IP0707			IP0707	
AGS Reference																																										
Depth (m)			0.50		0.80			2.50			3.50			4.50			0.50			1.50			2.20			3.20			4.20			1.00			2.00			3.00			4.00	
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 fibres in Soil*	All	NDPs: 0 Tests: 39	X			X												X															X									
Asbestos Quant. Detail Gravimetric	All	NDPs: 0 Tests: 4				X												X															X									
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 96			X			X			X			X			X			X			X			X			X			X			X			X			X	
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 96			X			X			X			X			X			X			X			X			X			X			X			X			X	
GRO by GC-FID (S)	All	NDPs: 0 Tests: 96		X			X			X			X			X			X			X			X			X			X			X			X			X		
Metals in solid samples by OES	All	NDPs: 0 Tests: 96			X			X			X			X			X			X			X			X			X			X			X			X			X	
PAH by GCMS	All	NDPs: 0 Tests: 96			X			X			X			X			X			X			X			X			X			X			X			X			X	
pH	All	NDPs: 0 Tests: 96	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Sample description	All	NDPs: 0 Tests: 96			X			X			X			X			X			X			X			X			X			X			X			X			X	
Total Organic Carbon	All	NDPs: 0 Tests: 24			X												X														X										
TPH CWG GC (S)	All	NDPs: 0 Tests: 96			X			X			X			X			X			X			X			X			X			X			X			X			X	

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

SOLID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)	10916789	10916857	10916861	10916865	10916875	10917017	10916972	10916979	10916996	10917006	10916937	10916941	10916945	10916949
Customer Sample Reference	IP0707	IP0792	IP0792	IP0792	IP0792	IP0794	IP0872	IP0872	IP0872	IP0872	IP0873	IP0873	IP0873	IP0873
AGS Reference														
Depth (m)	4.00	0.50	1.50	2.50	3.60	0.50	0.50	1.50	2.50	3.50	0.50	1.50	2.50	3.50
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)	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: 39													
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 96													
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 96													
GRO by GC-FID (S)	All	NDPs: 0 Tests: 96													
Metals in solid samples by OES	All	NDPs: 0 Tests: 96													
PAH by GCMS	All	NDPs: 0 Tests: 96													
pH	All	NDPs: 0 Tests: 96													
Sample description	All	NDPs: 0 Tests: 96													
Total Organic Carbon	All	NDPs: 0 Tests: 24													
TPH CWG GC (S)	All	NDPs: 0 Tests: 96													

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

SOLID

Results Legend

X Test

N No Determination Possible

	Lab Sample No(s)		10916907			10916911			10916916			10916931			10916880			10916885			10916889			10916893			10916897			10916903			10917049			10917057			10917065			10917525
	Customer Sample Reference		IP0969			IP0969			IP0969			IP0969			IP0970			IP0970			IP0970			IP1094			IP1094			IP1094			IP3812			IP3812			IP3812			IP3813
	AGS Reference																																										
	Depth (m)		0.50			1.50			2.50			3.50			0.50			1.50			2.60			0.50			1.50			2.50			0.50			1.50			2.50			0.50
	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)	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: 39		X												X									X										X								
Asbestos Quant. Detail Gravimetric	All	NDPs: 0 Tests: 4																							X																		
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 96	X			X			X			X			X			X			X			X			X			X			X			X			X			X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 96	X			X			X			X			X			X			X			X			X			X			X			X			X			X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 96			X			X			X			X			X			X			X			X			X			X			X			X			X	
Metals in solid samples by OES	All	NDPs: 0 Tests: 96	X			X			X			X			X			X			X			X			X			X			X			X			X			X
PAH by GCMS	All	NDPs: 0 Tests: 96	X			X			X			X			X			X			X			X			X			X			X			X			X			X
pH	All	NDPs: 0 Tests: 96		X			X			X			X			X			X			X			X			X			X			X			X			X		
Sample description	All	NDPs: 0 Tests: 96	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Total Organic Carbon	All	NDPs: 0 Tests: 24	X												X																		X									X
TPH CWG GC (S)	All	NDPs: 0 Tests: 96	X			X			X			X			X			X			X			X			X			X			X			X			X			X

CERTIFICATE OF ANALYSIS

Validated

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

SOLID

Results Legend

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

Lab Sample No(s)			10917525		10917539			10917313			10917327			10917338			10917281			10917302			10917471			10917487			10917355			10917374			10917024			10917034			10917041	
Customer Sample Reference			IP3813		IP3813			IP3814			IP3814			IP3814			IP3818			IP3818			IP3819			IP3819			IP3820			IP3820			IP3821			IP3821			IP3821	
AGS Reference																																										
Depth (m)			0.50		1.50			0.50			1.50			2.50			0.50			1.50			0.50			1.50			0.50			1.50			0.50			1.50			2.50	
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 fibres in Soil*	All	NDPs: 0 Tests: 39	X						X									X						X						X						X						
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 96			X			X			X			X			X			X			X			X			X			X			X			X			X	
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 96			X			X			X			X			X			X			X			X			X			X			X			X			X	
GRO by GC-FID (S)	All	NDPs: 0 Tests: 96		X			X			X			X			X			X			X			X			X			X			X			X			X		
Metals in solid samples by OES	All	NDPs: 0 Tests: 96			X			X			X			X			X			X			X			X			X			X			X			X			X	
PAH by GCMS	All	NDPs: 0 Tests: 96			X			X			X			X			X			X			X			X			X			X			X			X			X	
pH	All	NDPs: 0 Tests: 96	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Sample description	All	NDPs: 0 Tests: 96			X			X			X			X			X			X			X			X			X			X			X			X			X	
Total Organic Carbon	All	NDPs: 0 Tests: 24															X						X						X													
TPH CWG GC (S)	All	NDPs: 0 Tests: 96			X			X			X			X			X			X			X			X			X			X			X			X			X	

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

SOLID

Results Legend

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

	Lab Sample No(s)		10917041			10917193			10917202			10917215			10917403			10917420			10917393			10917500			10917515			10917112			10917119			10917127			10917236			10917243
	Customer Sample Reference		IP3821			IP3822			IP3822			IP3822			IP3823			IP3823			IP3824			IP3825			IP3825			IP3826			IP3826			IP3826			IP3828			IP3828
	AGS Reference																																									
	Depth (m)		2.50			0.50			1.50			2.50			0.50			1.50			0.50			0.50			1.50			0.50			1.50			2.50			0.50			1.50
	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)	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: 39			X									X									X								X								X				
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 96		X			X			X			X			X			X			X			X			X			X			X			X			X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 96		X			X			X			X			X			X			X			X			X			X			X			X			X		
GRO by GC-FID (S)	All	NDPs: 0 Tests: 96	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Metals in solid samples by OES	All	NDPs: 0 Tests: 96		X			X			X			X			X			X			X			X			X			X			X			X			X		
PAH by GCMS	All	NDPs: 0 Tests: 96		X			X			X			X			X			X			X			X			X			X			X			X			X		
pH	All	NDPs: 0 Tests: 96			X			X			X			X			X			X			X			X			X			X			X			X			X	
Sample description	All	NDPs: 0 Tests: 96		X			X			X			X			X			X			X			X			X			X			X			X			X		
Total Organic Carbon	All	NDPs: 0 Tests: 24		X									X																								X					
TPH CWG GC (S)	All	NDPs: 0 Tests: 96		X			X			X			X			X			X			X			X			X			X			X			X			X		

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

SOLID

Results Legend

- X — Test
- N — No Determination Possible

Lab Sample No(s)			10917228			10917438			10917458			10917171			10917187		10917137			10917149			10917160			10917251			10917266			10916798			10916803			10917074			10917088	
Customer Sample Reference			IP3829			IP3830			IP3830			IP3831			IP3831		IP3832			IP3832			IP3832			IP3826A			IP3826A			TPE0301			TPE0301			TPE1663			TPE1664	
AGS Reference																																										
Depth (m)			0.50			0.50			1.50			0.50			1.50		0.50			1.50			2.50			0.50			1.50			1.00			2.00			0.50			0.50	
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)	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 fibres in Soil*	All	NDPs: 0 Tests: 39		X			X						X					X									X						X						X			X
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 96	X			X			X			X			X		X			X			X			X			X			X			X			X			X	
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 96	X			X			X			X			X		X			X			X			X			X			X			X			X			X	
GRO by GC-FID (S)	All	NDPs: 0 Tests: 96			X			X			X			X	X				X			X			X			X			X			X			X			X		
Metals in solid samples by OES	All	NDPs: 0 Tests: 96	X			X			X			X			X		X			X			X			X			X			X			X			X			X	
PAH by GCMS	All	NDPs: 0 Tests: 96	X			X			X			X			X		X			X			X			X			X			X			X			X			X	
pH	All	NDPs: 0 Tests: 96		X			X			X			X			X		X			X			X			X			X			X			X			X			X
Sample description	All	NDPs: 0 Tests: 96	X			X			X			X			X		X			X			X			X			X			X			X			X			X	
Total Organic Carbon	All	NDPs: 0 Tests: 24															X															X										
TPH CWG GC (S)	All	NDPs: 0 Tests: 96	X			X			X			X			X		X			X			X			X			X			X			X			X			X	

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

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Results Legend

X **Test**

N **No Determination Possible**

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
			10917088	10917096	10917102		
			TPE1664	TPE1665	TPE1665		
			0.50	0.50	1.50		
			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: 39			X				
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 96		X			X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 96		X			X		
GRO by GC-FID (S)	All	NDPs: 0 Tests: 96	X			X			X
Metals in solid samples by OES	All	NDPs: 0 Tests: 96		X			X		
PAH by GCMS	All	NDPs: 0 Tests: 96		X			X		
pH	All	NDPs: 0 Tests: 96			X			X	
Sample description	All	NDPs: 0 Tests: 96		X			X		
Total Organic Carbon	All	NDPs: 0 Tests: 24		X					
TPH CWG GC (S)	All	NDPs: 0 Tests: 96		X			X		

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

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
10916954	IP0390	0.50	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	None
10916960	IP0390	1.50	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	None
10916966	IP0390	2.60	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
10916807	IP0568	0.50	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Vegetation	Stones
10916815	IP0568	1.50	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	None
10916823	IP0590	0.50	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	Vegetation
10916831	IP0590	1.50	Light Brown	Silty Clay Loam	0.063 - 0.1 mm	Oil/Petroleum	None
10916838	IP0610	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
10916842	IP0610	1.50	Dark Brown	Clay Loam	0.063 - 0.1 mm	Stones	Vegetation
10916847	IP0641	0.80	Black	Clay Loam	0.063 - 0.1 mm	Vegetation	None
10916851	IP0641	1.50	Grey	Clay Loam	0.063 - 0.1 mm	Stones	Vegetation
10917081	IP0642	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	None	None
10917180	IP0642	1.50	Grey	Sandy Loam	0.1 - 2 mm	Stones	Oil/Petroleum
10916794	IP0643	0.50	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	Vegetation
10916767	IP0654	3.50	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	N/A
10916771	IP0654	4.50	Dark Brown	Silty Clay Loam	0.1 - 2 mm	Stones	N/A
10917290	IP0654	0.80	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
10917450	IP0654	2.50	Dark Brown	Silt Loam	0.1 - 2 mm	Stones	N/A
10916760	IP0706	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
10916811	IP0706	1.50	Dark Brown	Clay Loam	0.063 - 0.1 mm	Brick	Vegetation
10916871	IP0706	2.20	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
10916922	IP0706	3.20	Grey	Silt Loam	0.1 - 2 mm	Stones	None
10916987	IP0706	4.20	Grey	Sandy Loam	0.1 - 2 mm	Stones	None
10916775	IP0707	1.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
10916779	IP0707	2.00	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	Vegetation
10916785	IP0707	3.00	Dark Brown	Silty Clay Loam	0.1 - 2 mm	Stones	N/A
10916789	IP0707	4.00	Black	Silty Clay	0.063 - 0.1 mm	Stones	None
10916857	IP0792	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
10916861	IP0792	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
10916865	IP0792	2.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
10916875	IP0792	3.60	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
10917017	IP0794	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Crushed Brick
10916972	IP0872	0.50	Light Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
10916979	IP0872	1.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
10916996	IP0872	2.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	N/A
10917006	IP0872	3.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	N/A
10916937	IP0873	0.50	Black	Loamy Sand	0.1 - 2 mm	Stones	Fibres
10916941	IP0873	1.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

			Colour	Description	Grain size	Inclusions	Inclusions 2
10916945	IP0873	2.50	Dark Brown	Clay Loam	0.063 - 0.1 mm	Stones	Coal fragments
10916949	IP0873	3.50	Dark Brown	Sandy Clay Loam	0.063 - 0.1 mm	Stones	None
10916907	IP0969	0.50	Light Brown	Loamy Sand	0.1 - 2 mm	Stones	None
10916911	IP0969	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
10916916	IP0969	2.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
10916931	IP0969	3.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
10916880	IP0970	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
10916885	IP0970	1.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
10916889	IP0970	2.60	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
10916893	IP1094	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Vegetation	Stones
10916897	IP1094	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
10916903	IP1094	2.50	Dark Brown	Sand	0.1 - 2 mm	Stones	None
10917049	IP3812	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
10917057	IP3812	1.50	Light Brown	Sandy Loam	0.1 - 2 mm	Stones	None
10917065	IP3812	2.50	Light Brown	Sandy Loam	0.1 - 2 mm	Stones	None
10917525	IP3813	0.50	Light Brown	Sandy Loam	0.1 - 2 mm	Crushed Brick	Stones
10917539	IP3813	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
10917313	IP3814	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Fibres
10917327	IP3814	1.50	Dark Brown	Clay Loam	0.063 - 0.1 mm	Stones	Vegetation
10917338	IP3814	2.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
10917281	IP3818	0.50	Grey	Sandy Loam	0.1 - 2 mm	Stones	None
10917302	IP3818	1.50	Dark Brown	Sand	0.1 - 2 mm	Stones	None
10917471	IP3819	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
10917487	IP3819	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
10917355	IP3820	0.50	Light Brown	Sandy Loam	0.1 - 2 mm	Stones	None
10917374	IP3820	1.50	Light Brown	Stone/Soil	2 - 10 mm	Stones	None
10917024	IP3821	0.50	Light Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
10917034	IP3821	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
10917041	IP3821	2.50	Light Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
10917193	IP3822	0.50	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	None
10917202	IP3822	1.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
10917215	IP3822	2.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
10917403	IP3823	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
10917420	IP3823	1.50	Dark Brown	Sand	0.1 - 2 mm	Stones	None
10917393	IP3824	0.50	Dark Brown	Sand	0.1 - 2 mm	Stones	None
10917500	IP3825	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
10917515	IP3825	1.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
10917112	IP3826	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
10917119	IP3826	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
10917127	IP3826	2.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
10917236	IP3828	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

			Colour	Description	Grain size	Inclusions	Inclusions 2
10917243	IP3828	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
10917228	IP3829	0.50	Dark Brown	Stone/Soil	2 - 10 mm	Stones	None
10917438	IP3830	0.50	Light Brown	Silty Clay Loam	0.1 - 2 mm	Stones	None
10917458	IP3830	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
10917171	IP3831	0.50	Light Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	Vegetation
10917187	IP3831	1.50	Dark Brown	Clay	<0.063 mm	Coal fragments	None
10917137	IP3832	0.50	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	None
10917149	IP3832	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Oil/Petroleum
10917160	IP3832	2.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Oil/Petroleum
10917251	IP3826A	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
10917266	IP3826A	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
10916798	TPE0301	1.00	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	Vegetation
10916803	TPE0301	2.00	Light Brown	Silty Clay Loam	0.063 - 0.1 mm	Vegetation	N/A
10917074	TPE1663	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
10917088	TPE1664	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
10917096	TPE1665	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Brick	Coal fragments
10917102	TPE1665	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Oil/Petroleum

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:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds 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	IP0390	IP0390	IP0390	IP0568	IP0568	IP0590
			Depth (m)	0.50	1.50	2.60	0.50	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-69	150227-69	150227-69	150227-69	150227-69	150227-69
			Lab Sample No.(s)	10916954	10916960	10916966	10916807	10916815	10916823
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		15	23	9.8	23	13	23
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)		Not 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 #
Soil Organic Matter (SOM)	<0.35 %	TM132		2.48 #					
pH	1 pH Units	TM133		6.19 M	7.34 M	6.41 M	6.99 M	7.32 M	7.86 M
Arsenic	<0.6 mg/kg	TM181		15.7 M	20.7 M	7.82 M	90.8 M	14.4 M	40.2 M
Cadmium	<0.02 mg/kg	TM181		<0.02 M	0.412 M	0.455 M	0.96 M	<0.2 M	0.353 M
Chromium	<0.9 mg/kg	TM181		14.6 M	14.5 M	12.7 M	14.3 M	20.5 M	10.2 M
Copper	<1.4 mg/kg	TM181		28.9 M	38.6 M	10.2 M	238 M	28.8 M	124 M
Lead	<0.7 mg/kg	TM181		34 M	30.9 M	10.5 M	98.6 M	23.6 M	102 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<1.4 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		22.9 M	19.8 M	26.2 M	21.9 M	28.7 M	19.4 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<10 #	<1 #
Vanadium	<0.2 mg/kg	TM181		15.6 #	15.7 #	15.3 #	20.2 #	31.7 #	14.1 #
Zinc	<1.9 mg/kg	TM181		74.5 M	72 M	59.6 M	341 M	134 M	132 M

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds 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	IP0590	IP0610	IP0610	IP0641	IP0641	IP0642
			Depth (m)	1.50	0.50	1.50	0.80	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-69	150227-69	150227-69	150227-69	150227-69	150227-69
			Lab Sample No.(s)	10916831	10916838	10916842	10916847	10916851	10917081
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		20	40	13	52	17	13
Actinolite*	-	SUB (ASB)			Not Detected #		Not Detected #		Not Detected #
Amosite*	-	SUB (ASB)			Not Detected #		Not Detected #		Not Detected #
Anthophyllite*	-	SUB (ASB)			Not Detected #		Not Detected #		Not Detected #
Chrysotile*	-	SUB (ASB)			Not Detected #		Not Detected #		Not Detected #
Crocidolite*	-	SUB (ASB)			Not Detected #		Not Detected #		Not Detected #
Tremolite*	-	SUB (ASB)			Not Detected #		Not Detected #		Not Detected #
Non-Asbestos Fibres Detected	-	SUB (ASB)			Not Detected #		Not Detected #		Not Detected #
Soil Organic Matter (SOM)	<0.35 %	TM132			27.6 #				1.15 #
pH	1 pH Units	TM133		5.9 M	6.05 M	6.09 M	6.28 M	4.99 M	4.92 M
Arsenic	<0.6 mg/kg	TM181		6.97 M	59.1 M	10.7 M	34.4 M	2.26 M	4.57 M
Cadmium	<0.02 mg/kg	TM181		0.325 M	2.38 M	0.413 M	0.992 M	0.181 M	0.212 M
Chromium	<0.9 mg/kg	TM181		15.1 M	9.02 M	13.5 M	7.94 M	17.1 M	13 M
Copper	<1.4 mg/kg	TM181		7.52 M	170 M	21.1 M	91 M	11.5 M	9.81 M
Lead	<0.7 mg/kg	TM181		12.7 M	61.6 M	17.4 M	72.3 M	15.8 M	12.3 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	0.204 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		13.6 M	17.1 M	20.6 M	16 M	20 M	19.8 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		19.8 #	13.5 #	17.2 #	10.7 #	22.1 #	14.7 #
Zinc	<1.9 mg/kg	TM181		31.2 M	305 M	104 M	221 M	37.2 M	44.8 M

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds 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	IP0642	IP0643	IP0654	IP0654	IP0654	IP0654
			Depth (m)	1.50	0.50	0.80	2.50	3.50	4.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-69	150227-69	150227-69	150227-69	150227-69	150227-69
			Lab Sample No.(s)	10917180	10916794	10917290	10917450	10916767	10916771
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		11	19	17	72	18	9.1
Actinolite*	-	SUB (ASB)			Not Detected #	Not Detected #			
Amosite*	-	SUB (ASB)			Not Detected #	Not Detected #			
Anthophyllite*	-	SUB (ASB)			Not Detected #	Not Detected #			
Chrysotile*	-	SUB (ASB)			Not 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			2.45 #	6.21 #			
pH	1 pH Units	TM133		6.27 M	8.47 M	8.04 M	6.23 M	4.51 M	5.55 M
Arsenic	<0.6 mg/kg	TM181		16.2 M	21.8 M	40.1 M	52.7 M	5.46 M	6.63 M
Cadmium	<0.02 mg/kg	TM181		<0.2 M	0.548 M	1.15 M	1.42 M	0.303 M	0.469 M
Chromium	<0.9 mg/kg	TM181		16.3 M	13.5 M	15.9 M	5.95 M	16.9 M	13.2 M
Copper	<1.4 mg/kg	TM181		18.2 M	62 M	86.5 M	21.6 M	18.7 M	13.7 M
Lead	<0.7 mg/kg	TM181		16.5 M	63.3 M	52.5 M	15.9 M	16.7 M	9.98 M
Mercury	<0.14 mg/kg	TM181		<1.4 M	0.237 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		35 M	23.3 M	34.9 M	15.6 M	29.3 M	23.7 M
Selenium	<1 mg/kg	TM181		<10 #	<1 #	<1 #	2.12 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		27.1 #	14.9 #	21.1 #	8.32 #	20.3 #	13.2 #
Zinc	<1.9 mg/kg	TM181		87 M	148 M	152 M	82.3 M	70.9 M	56.3 M

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds 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	IP0706	IP0706	IP0706	IP0706	IP0706	IP0707
			Depth (m)	0.50	1.50	2.20	3.20	4.20	1.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-69	150227-69	150227-69	150227-69	150227-69	150227-69
			Lab Sample No.(s)	10916760	10916811	10916871	10916922	10916987	10916775
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		12	12	23	18	23	17
Actinolite*	-	SUB (ASB)		Not Detected #					Not Detected #
Amosite*	-	SUB (ASB)		Detected #					Not Detected #
Anthophyllite*	-	SUB (ASB)		Not Detected #					Not Detected #
Chrysotile*	-	SUB (ASB)		Not 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		2.34 #					3.72 #
pH	1 pH Units	TM133		7.91 M	7.47 M	6.45 M	6.63 M	6.09 M	7.76 M
Arsenic	<0.6 mg/kg	TM181		24.9 M	18.9 M	12.7 M	3.08 M	5.74 M	68.2 M
Cadmium	<0.02 mg/kg	TM181		0.0268 M	0.107 M	0.278 M	0.0346 M	0.199 M	0.587 M
Chromium	<0.9 mg/kg	TM181		16.7 M	13.6 M	14.9 M	12.6 M	13.4 M	20 M
Copper	<1.4 mg/kg	TM181		68.7 M	34.4 M	46.9 M	14.6 M	22.5 M	341 M
Lead	<0.7 mg/kg	TM181		45.1 M	26.6 M	33.7 M	13.6 M	18.8 M	524 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		34.4 M	25.1 M	28.6 M	20.9 M	28.5 M	59.2 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		16.3 #	13.9 #	14 #	16.5 #	16.9 #	30.8 #
Zinc	<1.9 mg/kg	TM181		113 M	90.6 M	107 M	71.1 M	87.8 M	714 M

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds 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	IP0707	IP0707	IP0707	IP0792	IP0792	IP0792
			Depth (m)	2.00	3.00	4.00	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-69	150227-69	150227-69	150227-69	150227-69	150227-69
			Lab Sample No.(s)	10916779	10916785	10916789	10916857	10916861	10916865
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		80	24	21	13	14	14
Actinolite*	-	SUB (ASB)					Not Detected #		
Amosite*	-	SUB (ASB)					Not Detected #		
Anthophyllite*	-	SUB (ASB)					Not Detected #		
Chrysotile*	-	SUB (ASB)					Not Detected #		
Crocidolite*	-	SUB (ASB)					Not Detected #		
Tremolite*	-	SUB (ASB)					Not Detected #		
Non-Asbestos Fibres Detected	-	SUB (ASB)					Not Detected #		
Soil Organic Matter (SOM)	<0.35 %	TM132					35 #		
pH	1 pH Units	TM133		5.62 M	6.07 M	6.06 M	5.42 M	5 M	5.83 M
Arsenic	<0.6 mg/kg	TM181		53.8 M	8.36 M	10.1 M	25.2 M	6.08 M	22.2 M
Cadmium	<0.02 mg/kg	TM181		3.17 M	0.442 M	0.374 M	0.526 M	0.548 M	0.355 M
Chromium	<0.9 mg/kg	TM181		3.15 M	18.9 M	16.3 M	9.09 M	12.8 M	12.2 M
Copper	<1.4 mg/kg	TM181		83.8 M	21.4 M	20 M	76.1 M	24.8 M	38.2 M
Lead	<0.7 mg/kg	TM181		13.4 M	17.9 M	15.3 M	36.3 M	12 M	20.7 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		14.7 M	32 M	32.6 M	22.7 M	21.2 M	39.9 M
Selenium	<1 mg/kg	TM181		1.36 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		4.85 #	23.2 #	19.9 #	12.9 #	12.8 #	15.1 #
Zinc	<1.9 mg/kg	TM181		388 M	74.2 M	69.8 M	108 M	43.6 M	94.4 M

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds 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	IP0792	IP0794	IP0872	IP0872	IP0872	IP0872
			Depth (m)	3.60	0.50	0.50	1.50	2.50	3.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-69	150227-69	150227-69	150227-69	150227-69	150227-69
			Lab Sample No.(s)	10916875	10917017	10916972	10916979	10916996	10917006
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		8.6	8	17	17	3.6	5.9
Actinolite*	-	SUB (ASB)			Not Detected #	Not Detected #			
Amosite*	-	SUB (ASB)			Not Detected #	Not Detected #			
Anthophyllite*	-	SUB (ASB)			Not Detected #	Not Detected #			
Chrysotile*	-	SUB (ASB)			Not Detected #	Not 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			1.09 #	3.71 #			
pH	1 pH Units	TM133		5.7 M	5.97 M	7.71 M	6.82 M	6.97 M	6.96 M
Arsenic	<0.6 mg/kg	TM181		9.13 M	6.79 M	38.1 M	8.51 M	8.11 M	8.78 M
Cadmium	<0.02 mg/kg	TM181		0.414 M	0.385 M	0.087 M	0.961 M	0.415 M	0.406 M
Chromium	<0.9 mg/kg	TM181		11.5 M	11.5 M	10.9 M	16.8 M	11.6 M	11.7 M
Copper	<1.4 mg/kg	TM181		19.2 M	9.86 M	69.6 M	<14 M	11 M	12.4 M
Lead	<0.7 mg/kg	TM181		13.1 M	13.9 M	33.7 M	14.4 M	13.1 M	11.8 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<1.4 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		31 M	27 M	15.6 M	23.1 M	27.1 M	27.1 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<10 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		13.1 #	10.5 #	16.8 #	17.1 #	12.2 #	12.4 #
Zinc	<1.9 mg/kg	TM181		59.9 M	56.9 M	49.8 M	73.6 M	59.4 M	59.3 M

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds 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	IP0873	IP0873	IP0873	IP0873	IP0969	IP0969
			Depth (m)	0.50	1.50	2.50	3.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-69	150227-69	150227-69	150227-69	150227-69	150227-69
			Lab Sample No.(s)	10916937	10916941	10916945	10916949	10916907	10916911
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		23	20	9.1	12	20	11
Actinolite*	-	SUB (ASB)		Not Detected #				Not Detected #	
Amosite*	-	SUB (ASB)		Not Detected #				Not Detected #	
Anthophyllite*	-	SUB (ASB)		Not Detected #				Not Detected #	
Chrysotile*	-	SUB (ASB)		Not Detected #				Not 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		18.4 #				1.15 #	
pH	1 pH Units	TM133		7.64 M	7.26 M	7.02 M	7.01 M	6.57 M	7.21 M
Arsenic	<0.6 mg/kg	TM181		53.3 M	9.84 M	10.3 M	13.6 M	8.88 M	8.82 M
Cadmium	<0.02 mg/kg	TM181		2.37 M	<0.02 M	0.487 M	0.408 M	0.104 M	<0.02 M
Chromium	<0.9 mg/kg	TM181		16.2 M	13.1 M	13.9 M	12.2 M	16.1 M	12.5 M
Copper	<1.4 mg/kg	TM181		103 M	13.3 M	16 M	23.2 M	56.6 M	22.3 M
Lead	<0.7 mg/kg	TM181		178 M	17.6 M	19.5 M	18 M	16.4 M	12.5 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		41.8 M	17.4 M	26.6 M	24.8 M	34.6 M	24.3 M
Selenium	<1 mg/kg	TM181		1.14 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		27.7 #	15.3 #	13.7 #	12.7 #	17.9 #	12.3 #
Zinc	<1.9 mg/kg	TM181		243 M	50.5 M	72.5 M	64.4 M	99 M	66.5 M

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds 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	IP0969	IP0969	IP0970	IP0970	IP0970	IP1094
			Depth (m)	2.50	3.50	0.50	1.50	2.60	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-69	150227-69	150227-69	150227-69	150227-69	150227-69
			Lab Sample No.(s)	10916916	10916931	10916880	10916885	10916889	10916893
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		11	8.3	12	9.7	11	14
Actinolite*	-	SUB (ASB)				Not Detected #			Not Detected #
Amosite*	-	SUB (ASB)				Not Detected #			Detected #
Anthophyllite*	-	SUB (ASB)				Not Detected #			Not Detected #
Chrysotile*	-	SUB (ASB)				Not 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				2.12 #			
pH	1 pH Units	TM133		6.31 M	6.42 M	6.32 M	7.6 M	6.46 M	8.34 M
Arsenic	<0.6 mg/kg	TM181		7.6 M	8.42 M	9.58 M	7.52 M	7.21 M	22.2 M
Cadmium	<0.02 mg/kg	TM181		0.129 M	<0.02 M	<0.02 M	0.556 M	0.456 M	0.597 M
Chromium	<0.9 mg/kg	TM181		12.8 M	11 M	13.9 M	12.4 M	12.6 M	19.1 M
Copper	<1.4 mg/kg	TM181		17.3 M	12.1 M	15.7 M	9.71 M	10.9 M	92 M
Lead	<0.7 mg/kg	TM181		12.3 M	10.8 M	20.9 M	10.8 M	10.7 M	210 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		29.1 M	27.5 M	27.4 M	29.6 M	30.2 M	34.9 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		12.3 #	11.2 #	13.5 #	12.6 #	12.4 #	26.6 #
Zinc	<1.9 mg/kg	TM181		80.6 M	74.6 M	85.7 M	64 M	59.7 M	342 M

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds 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	IP1094	IP1094	IP3812	IP3812	IP3812	IP3813
			Depth (m)	1.50	2.50	0.50	1.50	2.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-69	150227-69	150227-69	150227-69	150227-69	150227-69
			Lab Sample No.(s)	10916897	10916903	10917049	10917057	10917065	10917525
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		13	29	12	9	11	9.2
Actinolite*	-	SUB (ASB)				Not Detected #			Not Detected #
Amosite*	-	SUB (ASB)				Not Detected #			Not Detected #
Anthophyllite*	-	SUB (ASB)				Not Detected #			Not Detected #
Chrysotile*	-	SUB (ASB)				Not Detected #			Not 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				0.9 #			0.783 #
pH	1 pH Units	TM133		8.64 M	7.67 M	7.57 M	6.41 M	5.85 M	5.91 M
Arsenic	<0.6 mg/kg	TM181		13.1 M	17.4 M	13.9 M	7.51 M	8.4 M	6.25 M
Cadmium	<0.02 mg/kg	TM181		0.822 M	0.62 M	0.564 M	0.516 M	1.24 M	0.343 M
Chromium	<0.9 mg/kg	TM181		17.3 M	9.64 M	10.5 M	9.25 M	11.9 M	11.8 M
Copper	<1.4 mg/kg	TM181		137 M	51.8 M	26 M	11.8 M	15.2 M	9.91 M
Lead	<0.7 mg/kg	TM181		88.8 M	16.3 M	24.3 M	14.5 M	13.8 M	17.2 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		39.1 M	30.1 M	25.8 M	28.4 M	23.9 M	27.3 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		23.6 #	27.2 #	10.4 #	8.85 #	12.7 #	11.6 #
Zinc	<1.9 mg/kg	TM181		257 M	75.6 M	78.8 M	72.5 M	136 M	60.9 M

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds 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	IP3813	IP3814	IP3814	IP3814	IP3818	IP3818
			Depth (m)	1.50	0.50	1.50	2.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-69	150227-69	150227-69	150227-69	150227-69	150227-69
			Lab Sample No.(s)	10917539	10917313	10917327	10917338	10917281	10917302
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		10	15	14	13	8.6	7.3
Actinolite*	-	SUB (ASB)			Not Detected #			Not Detected #	
Amosite*	-	SUB (ASB)			Not Detected #			Not Detected #	
Anthophyllite*	-	SUB (ASB)			Not Detected #			Not Detected #	
Chrysotile*	-	SUB (ASB)			Not Detected #			Not 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						<0.35 #	
pH	1 pH Units	TM133		6.01 M	6.73 M	5.69 M	6.69 M	7.41 M	6.59 M
Arsenic	<0.6 mg/kg	TM181		13.6 M	48.5 M	7.29 M	11.7 M	7.13 M	8.02 M
Cadmium	<0.02 mg/kg	TM181		0.668 M	<0.02 M	0.563 M	<0.2 M	<0.02 M	0.329 M
Chromium	<0.9 mg/kg	TM181		13.7 M	49.8 M	23.7 M	14.1 M	9.69 M	10.8 M
Copper	<1.4 mg/kg	TM181		7.33 M	274 M	37.1 M	16.3 M	6.02 M	5.43 M
Lead	<0.7 mg/kg	TM181		24 M	84.3 M	20.1 M	21.4 M	10.2 M	7.8 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<1.4 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		40 M	56.7 M	42.6 M	39 M	24.7 M	29.3 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<10 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		16.8 #	17 #	22.7 #	16.2 #	7.29 #	9.61 #
Zinc	<1.9 mg/kg	TM181		65.1 M	205 M	91.4 M	83.6 M	68.8 M	68.6 M

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds 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	IP3819	IP3819	IP3820	IP3820	IP3821	IP3821
			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	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-69	150227-69	150227-69	150227-69	150227-69	150227-69
			Lab Sample No.(s)	10917471	10917487	10917355	10917374	10917024	10917034
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		14	12	10	12	13	15
Actinolite*	-	SUB (ASB)		Not Detected #		Not Detected #		Not Detected #	
Amosite*	-	SUB (ASB)		Not Detected #		Not Detected #		Not Detected #	
Anthophyllite*	-	SUB (ASB)		Not Detected #		Not Detected #		Not Detected #	
Chrysotile*	-	SUB (ASB)		Not Detected #		Not Detected #		Not Detected #	
Crocidolite*	-	SUB (ASB)		Not Detected #		Not Detected #		Not Detected #	
Tremolite*	-	SUB (ASB)		Not Detected #		Not Detected #		Not Detected #	
Non-Asbestos Fibres Detected	-	SUB (ASB)		Not Detected #		Not Detected #		Not Detected #	
Soil Organic Matter (SOM)	<0.35 %	TM132		2.84 #		0.571 #			
pH	1 pH Units	TM133		6.75 M	6.45 M	7.59 M	6.61 #	6.52 M	6.11 M
Arsenic	<0.6 mg/kg	TM181		15.1 M	10.4 M	6.07 M	8.88 #	11.1 M	21 M
Cadmium	<0.02 mg/kg	TM181		0.669 M	0.538 M	0.292 M	0.523 #	0.684 M	0.953 M
Chromium	<0.9 mg/kg	TM181		21.2 M	14.7 M	13.4 M	14.2 #	10.9 M	13.2 M
Copper	<1.4 mg/kg	TM181		43.1 M	20.8 M	7.52 M	12.6 #	27.1 M	51.7 M
Lead	<0.7 mg/kg	TM181		35.1 M	16.3 M	14.6 M	13.7 #	22.7 M	45.2 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 #	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		44.7 M	30.4 M	22.9 M	33.2 #	23.9 M	24.8 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		15.7 #	13.7 #	12.6 #	17.5 #	12.8 #	17.1 #
Zinc	<1.9 mg/kg	TM181		117 M	72.8 M	45.1 M	71.8 #	100 M	114 M

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds 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	IP3821	IP3822	IP3822	IP3822	IP3823	IP3823
			Depth (m)	2.50	0.50	1.50	2.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-69	150227-69	150227-69	150227-69	150227-69	150227-69
			Lab Sample No.(s)	10917041	10917193	10917202	10917215	10917403	10917420
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		15	15	12	8.7	9.1	13
Actinolite*	-	SUB (ASB)			Not Detected #			Not Detected #	
Amosite*	-	SUB (ASB)			Not Detected #			Not Detected #	
Anthophyllite*	-	SUB (ASB)			Not Detected #			Not Detected #	
Chrysotile*	-	SUB (ASB)			Not Detected #			Not 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			1.55 #			1.91 #	
pH	1 pH Units	TM133		6.57 M	5.81 M	6.05 M	6.09 M	5.66 M	6.2 M
Arsenic	<0.6 mg/kg	TM181		52 M	19.9 M	12.3 M	7.63 M	8.92 M	9.78 M
Cadmium	<0.02 mg/kg	TM181		1.71 M	0.163 M	0.504 M	0.504 M	<0.02 M	0.705 M
Chromium	<0.9 mg/kg	TM181		11.5 M	13.5 M	14.5 M	14.2 M	11.3 M	13.9 M
Copper	<1.4 mg/kg	TM181		115 M	48.9 M	22.6 M	13 M	8.75 M	13.6 M
Lead	<0.7 mg/kg	TM181		82.5 M	23.9 M	27.2 M	10.3 M	13.5 M	16.1 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		26.6 M	19.9 M	22 M	27.6 M	30.6 M	43.7 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		17 #	13.7 #	14.7 #	16 #	11.3 #	23.8 #
Zinc	<1.9 mg/kg	TM181		122 M	68.6 M	61.5 M	72.5 M	59 M	72.9 M

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds 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	IP3824	IP3825	IP3825	IP3826	IP3826	IP3826
			Depth (m)	0.50	0.50	1.50	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-69	150227-69	150227-69	150227-69	150227-69	150227-69
			Lab Sample No.(s)	10917393	10917500	10917515	10917112	10917119	10917127
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		11	9.9	12	10	9.7	12
Actinolite*	-	SUB (ASB)			Not Detected #		Not Detected #		
Amosite*	-	SUB (ASB)			Not Detected #		Not Detected #		
Anthophyllite*	-	SUB (ASB)			Not Detected #		Not Detected #		
Chrysotile*	-	SUB (ASB)			Not Detected #		Not 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 #		
pH	1 pH Units	TM133		6.08 M	7.53 M	7.96 M	7.56 M	7.2 M	6.68 M
Arsenic	<0.6 mg/kg	TM181		19.9 M	8.4 M	6.31 M	7.53 M	7.26 M	14.2 M
Cadmium	<0.02 mg/kg	TM181		<0.02 M	0.471 M	0.422 M	<0.02 M	0.496 M	0.761 M
Chromium	<0.9 mg/kg	TM181		14 M	11.1 M	16.2 M	10.3 M	11.8 M	19.1 M
Copper	<1.4 mg/kg	TM181		21.3 M	14.9 M	30.6 M	12.1 M	11.3 M	33.9 M
Lead	<0.7 mg/kg	TM181		39.3 M	15 M	17.6 M	11.3 M	9.28 M	51.8 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		38.7 M	28.6 M	43.6 M	23.7 M	26.4 M	32.2 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		17.8 #	11.4 #	16.2 #	10.1 #	12.4 #	14.2 #
Zinc	<1.9 mg/kg	TM181		160 M	78.1 M	75.6 M	67.1 M	64.4 M	156 M

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds 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	IP3828	IP3828	IP3829	IP3830	IP3830	IP3831
			Depth (m)	0.50	1.50	0.50	0.50	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-69	150227-69	150227-69	150227-69	150227-69	150227-69
			Lab Sample No.(s)	10917236	10917243	10917228	10917438	10917458	10917171
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		9.9	10	8.6	9.1	11	11
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)		Not 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 #
Soil Organic Matter (SOM)	<0.35 %	TM132		0.988 #					
pH	1 pH Units	TM133		7.2 M	7.92 M	6.56 #	6.12 M	6.6 M	7.09 M
Arsenic	<0.6 mg/kg	TM181		20.4 M	8.95 M	8.11 #	5.79 M	6.33 M	8.03 M
Cadmium	<0.02 mg/kg	TM181		0.627 M	0.875 M	0.0266 #	<0.02 M	0.449 M	0.322 M
Chromium	<0.9 mg/kg	TM181		12.1 M	11.8 M	10.3 #	9.79 M	11.5 M	15.4 M
Copper	<1.4 mg/kg	TM181		17.5 M	<14 M	27 #	8.24 M	14 M	18.9 M
Lead	<0.7 mg/kg	TM181		44.4 M	32.9 M	43.9 #	16.3 M	15.1 M	16.3 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 #	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		28 M	37.2 M	27.6 #	25 M	35.2 M	23.9 M
Selenium	<1 mg/kg	TM181		<1 #	<10 #	1.04 #	2.63 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		12.3 #	11.6 #	1.97 #	<2 #	10.9 #	17.2 #
Zinc	<1.9 mg/kg	TM181		178 M	119 M	128 #	51.6 M	69.6 M	57.4 M

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds 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	IP3831	IP3832	IP3832	IP3832	IP3826A	IP3826A
			Depth (m)	1.50	0.50	1.50	2.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-69	150227-69	150227-69	150227-69	150227-69	150227-69
			Lab Sample No.(s)	10917187	10917137	10917149	10917160	10917251	10917266
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		14	12	9.7	14	13	14
Actinolite*	-	SUB (ASB)			Not Detected #			Not Detected #	
Amosite*	-	SUB (ASB)			Not Detected #			Not Detected #	
Anthophyllite*	-	SUB (ASB)			Not Detected #			Not Detected #	
Chrysotile*	-	SUB (ASB)			Not Detected #			Not 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			1.43 #				
pH	1 pH Units	TM133		6.08 M	5.89 M	5.75 M	6.8 M	6.36 M	6.59 M
Arsenic	<0.6 mg/kg	TM181		8.56 M	8.24 M	5.44 M	9.13 M	8.08 M	5.92 M
Cadmium	<0.02 mg/kg	TM181		0.331 M	<0.02 M	0.385 M	0.67 M	<0.02 M	0.256 M
Chromium	<0.9 mg/kg	TM181		15.4 M	13.6 M	11.7 M	13.4 M	15.6 M	11 M
Copper	<1.4 mg/kg	TM181		27.9 M	17.3 M	6.88 M	16.7 M	16.7 M	9.99 M
Lead	<0.7 mg/kg	TM181		23.4 M	14.7 M	11.6 M	17 M	20.4 M	9.53 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		34.6 M	23.1 M	27.9 M	43.1 M	24.1 M	23.5 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		13.9 #	14.4 #	12.9 #	16 #	14 #	11.2 #
Zinc	<1.9 mg/kg	TM181		79.8 M	64.3 M	54 M	87.8 M	76.2 M	55.7 M

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds 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	TPE0301	TPE0301	TPE1663	TPE1664	TPE1665	TPE1665
			Depth (m)	1.00	2.00	0.50	0.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-69	150227-69	150227-69	150227-69	150227-69	150227-69
			Lab Sample No.(s)	10916798	10916803	10917074	10917088	10917096	10917102
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		13	17	15	14	13	14
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)		Not 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 #	
Soil Organic Matter (SOM)	<0.35 %	TM132		2.47 #				1.04 #	
pH	1 pH Units	TM133		7.8 M	6.13 M	6.79 M	7.62 M	6.42 M	6.05 M
Arsenic	<0.6 mg/kg	TM181		23.7 M	8.25 M	37.3 M	29.1 M	8.46 M	9.28 M
Cadmium	<0.02 mg/kg	TM181		0.558 M	0.354 M	0.301 M	1.16 M	0.734 M	0.333 M
Chromium	<0.9 mg/kg	TM181		17.3 M	15.5 M	50.5 M	15.5 M	10.9 M	16.5 M
Copper	<1.4 mg/kg	TM181		57.2 M	9.69 M	79.1 M	59.9 M	5.34 M	19.4 M
Lead	<0.7 mg/kg	TM181		83 M	13.3 M	130 M	142 M	11.6 M	25.6 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<1.4 M
Nickel	<0.2 mg/kg	TM181		35.8 M	15.4 M	28.3 M	26.4 M	30.5 M	43.9 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	1.2 #	<10 #
Vanadium	<0.2 mg/kg	TM181		19.2 #	19.1 #	26.1 #	18.6 #	9.34 #	15.2 #
Zinc	<1.9 mg/kg	TM181		233 M	31.3 M	232 M	204 M	96.9 M	115 M

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

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	IP0390	IP0390	IP0390	IP0568	IP0568	IP0590
			Depth (m)	0.50	1.50	2.60	0.50	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-69	150227-69	150227-69	150227-69	150227-69	150227-69
			Lab Sample No.(s)	10916954	10916960	10916966	10916807	10916815	10916823
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		93.8	102	94.8	104	99.3	96.8
Acenaphthene-d10 % recovery**	%	TM218		93.2	102	95.4	107	103	101
Phenanthrene-d10 % recovery**	%	TM218		93.3	95.2	93.5	102	100	99.8
Chrysene-d12 % recovery**	%	TM218		96.5	85.5	91.7	105	91.5	98.3
Perylene-d12 % recovery**	%	TM218		110	101	98.6	121	108	113
Naphthalene	<9 µg/kg	TM218		142 @ M	17.9 @ M	<9 @ M	112 @ M	356 @ M	18.8 @ M
Acenaphthylene	<12 µg/kg	TM218		1040 @ M	47.7 @ M	<12 @ M	82.6 @ M	<12 @ M	38.4 @ M
Acenaphthene	<8 µg/kg	TM218		528 @ M	15.2 @ M	<8 @ M	75.6 @ M	116 @ M	554 @ M
Fluorene	<10 µg/kg	TM218		1860 @ M	23.1 @ M	<10 @ M	88.5 @ M	152 @ M	671 @ M
Phenanthrene	<15 µg/kg	TM218		21900 @ M	228 @ M	43.2 @ M	554 @ M	390 @ M	5160 @ M
Anthracene	<16 µg/kg	TM218		4000 @ M	75.6 @ M	<16 @ M	198 @ M	75.3 @ M	1020 @ M
Fluoranthene	<17 µg/kg	TM218		21600 @ M	470 @ M	34 @ M	2150 @ M	280 @ M	7970 @ M
Pyrene	<15 µg/kg	TM218		13300 @ M	360 @ M	32.9 @ M	2290 @ M	238 @ M	5270 @ M
Benz(a)anthracene	<14 µg/kg	TM218		9490 @ M	278 @ M	<14 @ M	1550 @ M	87.4 @ M	4240 @ M
Chrysene	<10 µg/kg	TM218		7070 @ M	335 @ M	<10 @ M	1820 @ M	123 @ M	3760 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		9440 @ M	273 @ M	47 @ M	2950 @ M	139 @ M	3720 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		3200 @ M	190 @ M	<14 @ M	1160 @ M	57 @ M	1500 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		5910 @ M	253 @ M	19.5 @ M	2270 @ M	107 @ M	2960 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		2740 @ M	174 @ M	<18 @ M	1650 @ M	68.7 @ M	1490 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		1190 @ M	76.2 @ M	<23 @ M	574 @ M	<23 @ M	679 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		2620 @ M	209 @ M	<24 @ M	2020 @ M	83.2 @ M	1590 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		106000	3030	177	19600	2270	40700

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

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	IP0590	IP0610	IP0610	IP0641	IP0641	IP0642
			Depth (m)	1.50	0.50	1.50	0.80	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-69	150227-69	150227-69	150227-69	150227-69	150227-69
			Lab Sample No.(s)	10916831	10916838	10916842	10916847	10916851	10917081
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		98.8	92.8	106	160	99.5	106
Acenaphthene-d10 % recovery**	%	TM218		97.8	87.4	103	163	100	106
Phenanthrene-d10 % recovery**	%	TM218		97.1	84	101	154	98.2	102
Chrysene-d12 % recovery**	%	TM218		91.7	80.5	98.1	147	97.1	101
Perylene-d12 % recovery**	%	TM218		99.5	93.2	102	148	103	113
Naphthalene	<9 µg/kg	TM218		259 @ M	33.4 @ M	<9 @ M	343 @ M	44.2 @ M	1260 @ M
Acenaphthylene	<12 µg/kg	TM218		<12 @ M	<12 @ M	<12 @ M	70.1 @ M	<12 @ M	<12 @ M
Acenaphthene	<8 µg/kg	TM218		17.4 @ M	<8 @ M	<8 @ M	21.4 @ M	<8 @ M	28.4 @ M
Fluorene	<10 µg/kg	TM218		57.4 @ M	<10 @ M	<10 @ M	53.7 @ M	<10 @ M	12.6 @ M
Phenanthrene	<15 µg/kg	TM218		124 @ M	137 @ M	22.6 @ M	189 @ M	<15 @ M	43.7 @ M
Anthracene	<16 µg/kg	TM218		28.8 @ M	<16 @ M	<16 @ M	37.4 @ M	<16 @ M	<16 @ M
Fluoranthene	<17 µg/kg	TM218		76.5 @ M	158 @ M	23.1 @ M	100 @ M	<17 @ M	<17 @ M
Pyrene	<15 µg/kg	TM218		60.1 @ M	124 @ M	25.1 @ M	186 @ M	<15 @ M	21.2 @ M
Benz(a)anthracene	<14 µg/kg	TM218		<14 @ M	126 @ M	35.6 @ M	86.8 @ M	<14 @ M	<14 @ M
Chrysene	<10 µg/kg	TM218		19.7 @ M	150 @ M	26.5 @ M	83.8 @ M	<10 @ M	17.8 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		34.6 @ M	297 @ M	35.5 @ M	143 @ M	<15 @ M	23.3 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 @ M	99.1 @ M	<14 @ M	36.7 @ M	<14 @ M	<14 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		25.4 @ M	143 @ M	<15 @ M	76.1 @ M	<15 @ M	<15 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 @ M	122 @ M	<18 @ M	50.9 @ M	<18 @ M	<18 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 @ M	50.5 @ M	<23 @ M	57.8 @ M	<23 @ M	<23 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 @ M	144 @ M	<24 @ M	61.8 @ M	<24 @ M	<24 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		702	1580	168	1600	<118	1410

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

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	IP0642	IP0643	IP0654	IP0654	IP0654	IP0654
			Depth (m)	1.50	0.50	0.80	2.50	3.50	4.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-69	150227-69	150227-69	150227-69	150227-69	150227-69
			Lab Sample No.(s)	10917180	10916794	10917290	10917450	10916767	10916771
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		88.5	96.7	95.2	113	99	96.1
Acenaphthene-d10 % recovery**	%	TM218		92.6	105	95.5	112	97.9	95.8
Phenanthrene-d10 % recovery**	%	TM218		91	99.4	94.4	106	93.5	92.7
Chrysene-d12 % recovery**	%	TM218		88.1	97.4	95.6	115	97.4	99.8
Perylene-d12 % recovery**	%	TM218		102	113	113	141	113	122
Naphthalene	<9 µg/kg	TM218		325 @ M	41.5 @ M	71.1 @ M	<9 @ M	<9 @ M	<9 @ M
Acenaphthylene	<12 µg/kg	TM218		<12 @ M	<12 @ M	15.7 @ M	<12 @ M	<12 @ M	<12 @ M
Acenaphthene	<8 µg/kg	TM218		24.6 @ M	53.9 @ M	59.2 @ M	<8 @ M	<8 @ M	<8 @ M
Fluorene	<10 µg/kg	TM218		14.3 @ M	43.7 @ M	62.9 @ M	<10 @ M	<10 @ M	<10 @ M
Phenanthrene	<15 µg/kg	TM218		55.1 @ M	297 @ M	1010 @ M	<15 @ M	28.4 @ M	26 @ M
Anthracene	<16 µg/kg	TM218		<16 @ M	68.2 @ M	176 @ M	<16 @ M	<16 @ M	<16 @ M
Fluoranthene	<17 µg/kg	TM218		<17 @ M	518 @ M	1660 @ M	<17 @ M	<17 @ M	<17 @ M
Pyrene	<15 µg/kg	TM218		<15 @ M	402 @ M	1840 @ M	<15 @ M	<15 @ M	<15 @ M
Benz(a)anthracene	<14 µg/kg	TM218		<14 @ M	308 @ M	1250 @ M	<14 @ M	<14 @ M	<14 @ M
Chrysene	<10 µg/kg	TM218		13.4 @ M	386 @ M	1690 @ M	<10 @ M	29.6 @ M	26.7 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		<15 @ M	581 @ M	1610 @ M	<15 @ M	26.3 @ M	33.9 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 @ M	209 @ M	504 @ M	<14 @ M	<14 @ M	<14 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 @ M	456 @ M	982 @ M	<15 @ M	<15 @ M	<15 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 @ M	271 @ M	529 @ M	<18 @ M	<18 @ M	<18 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 @ M	106 @ M	282 @ M	<23 @ M	<23 @ M	<23 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 @ M	316 @ M	669 @ M	<24 @ M	<24 @ M	<24 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		433	4060	12400	<118	<118	<118

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

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	IP0706	IP0706	IP0706	IP0706	IP0706	IP0707
			Depth (m)	0.50	1.50	2.20	3.20	4.20	1.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-69	150227-69	150227-69	150227-69	150227-69	150227-69
			Lab Sample No.(s)	10916760	10916811	10916871	10916922	10916987	10916775
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		99.3	96.6	78.4	101	103	122
Acenaphthene-d10 % recovery**	%	TM218		98.9	99.8	75.1	100	102	123
Phenanthrene-d10 % recovery**	%	TM218		96.7	93.9	73.1	97.7	99.1	121
Chrysene-d12 % recovery**	%	TM218		96.2	91.8	72.6	97.2	101	117
Perylene-d12 % recovery**	%	TM218		109	104	82.2	105	115	121
Naphthalene	<9 µg/kg	TM218		45.8 @ M	20.2 @ M	76.4 @ M	11.2 @ M	<9 @ M	355 @ M
Acenaphthylene	<12 µg/kg	TM218		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	94.2 @ M
Acenaphthene	<8 µg/kg	TM218		<8 @ M	<8 @ M	23.3 @ M	<8 @ M	<8 @ M	217 @ M
Fluorene	<10 µg/kg	TM218		<10 @ M	18.6 @ M	35.7 @ M	<10 @ M	<10 @ M	230 @ M
Phenanthrene	<15 µg/kg	TM218		201 @ M	182 @ M	237 @ M	28.9 @ M	46.1 @ M	1360 @ M
Anthracene	<16 µg/kg	TM218		<16 @ M	<16 @ M	61.3 @ M	<16 @ M	<16 @ M	278 @ M
Fluoranthene	<17 µg/kg	TM218		163 @ M	87.4 @ M	370 @ M	<17 @ M	31.4 @ M	2570 @ M
Pyrene	<15 µg/kg	TM218		141 @ M	69.2 @ M	283 @ M	<15 @ M	30 @ M	2130 @ M
Benz(a)anthracene	<14 µg/kg	TM218		96.4 @ M	43.3 @ M	213 @ M	<14 @ M	35.5 @ M	1470 @ M
Chrysene	<10 µg/kg	TM218		165 @ M	97.9 @ M	215 @ M	<10 @ M	35.2 @ M	1750 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		177 @ M	96.2 @ M	350 @ M	<15 @ M	38.8 @ M	2740 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		59.1 @ M	26.1 @ M	109 @ M	<14 @ M	<14 @ M	1010 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		87.1 @ M	45.4 @ M	202 @ M	<15 @ M	<15 @ M	1910 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		58.4 @ M	29.2 @ M	125 @ M	<18 @ M	<18 @ M	1270 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		27.8 @ M	<23 @ M	50.9 @ M	<23 @ M	<23 @ M	435 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		80 @ M	37 @ M	148 @ M	<24 @ M	<24 @ M	1480 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		1300	752	2500	<118	217	19300

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

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	IP0707	IP0707	IP0707	IP0792	IP0792	IP0792
			Depth (m)	2.00	3.00	4.00	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-69	150227-69	150227-69	150227-69	150227-69	150227-69
			Lab Sample No.(s)	10916779	10916785	10916789	10916857	10916861	10916865
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		189	100	91.9	96.3	92.6	106
Acenaphthene-d10 % recovery**	%	TM218		171	99.5	92	95.7	92.3	105
Phenanthrene-d10 % recovery**	%	TM218		161	97.5	90.9	91.4	90.4	104
Chrysene-d12 % recovery**	%	TM218		162	91.7	85.4	91.1	90.4	105
Perylene-d12 % recovery**	%	TM218		191	100	96.8	101	108	112
Naphthalene	<9 µg/kg	TM218		<9 @ M	<9 @ M	<9 @ M	136 @ M	<9 @ M	12 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	<10 @ M	<10 @ M	30 @ M	<10 @ M	<10 M
Phenanthrene	<15 µg/kg	TM218		<15 @ M	83.7 @ M	46.6 @ M	358 @ M	50.6 @ M	119 M
Anthracene	<16 µg/kg	TM218		<16 @ M	<16 @ M	<16 @ M	<16 @ M	<16 @ M	<16 M
Fluoranthene	<17 µg/kg	TM218		<17 @ M	54.5 @ M	<17 @ M	87.8 @ M	<17 @ M	<17 M
Pyrene	<15 µg/kg	TM218		<15 @ M	43.4 @ M	<15 @ M	65.1 @ M	<15 @ M	36.7 M
Benz(a)anthracene	<14 µg/kg	TM218		<14 @ M	34.6 @ M	<14 @ M	42.4 @ M	<14 @ M	<14 M
Chrysene	<10 µg/kg	TM218		<10 @ M	80.8 @ M	35.5 @ M	122 @ M	19.9 @ M	<10 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		<15 @ M	79.9 @ M	23.1 @ M	92.5 @ M	46.2 @ M	72.8 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 @ M	<14 @ M	<14 @ M	18.4 @ M	<14 @ M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 @ M	40.4 @ M	<15 @ M	22 @ M	<15 @ M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 @ M	28.7 @ M	<18 @ M	<18 @ M	<18 @ M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 @ M	<23 @ M	<23 @ M	<23 @ M	<23 @ M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 @ M	43 @ M	<24 @ M	<24 @ M	<24 @ M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		<118	489	<118	974	<118	240

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

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	IP0792	IP0794	IP0872	IP0872	IP0872	IP0872
			Depth (m)	3.60	0.50	0.50	1.50	2.50	3.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-69	150227-69	150227-69	150227-69	150227-69	150227-69
			Lab Sample No.(s)	10916875	10917017	10916972	10916979	10916996	10917006
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		95.1	92.5	97.4	101	96.4	101
Acenaphthene-d10 % recovery**	%	TM218		95.1	92	97	100	95.3	98.4
Phenanthrene-d10 % recovery**	%	TM218		93.4	88.9	94	97.6	93.2	95.9
Chrysene-d12 % recovery**	%	TM218		92.8	90.6	89.8	95.2	90.2	93.9
Perylene-d12 % recovery**	%	TM218		97.1	104	98.8	103	100	97.6
Naphthalene	<9 µg/kg	TM218		<9 @ M	<9 @ M	15.9 @ M	<9 @ M	<9 @ M	<9 @ M
Acenaphthylene	<12 µg/kg	TM218		<12 @ M	<12 @ M	<12 @ M	19.7 @ M	<12 @ M	<12 @ M
Acenaphthene	<8 µg/kg	TM218		<8 @ M	<8 @ M	13.6 @ M	<8 @ M	<8 @ M	<8 @ M
Fluorene	<10 µg/kg	TM218		<10 @ M	<10 @ M	<10 @ M	<10 @ M	<10 @ M	<10 @ M
Phenanthrene	<15 µg/kg	TM218		87.4 @ M	36.4 @ M	153 @ M	178 @ M	64 @ M	50.9 @ M
Anthracene	<16 µg/kg	TM218		<16 @ M	<16 @ M	20.2 @ M	46.6 @ M	<16 @ M	<16 @ M
Fluoranthene	<17 µg/kg	TM218		34.3 @ M	<17 @ M	201 @ M	385 @ M	<17 @ M	32.3 @ M
Pyrene	<15 µg/kg	TM218		25.4 @ M	<15 @ M	157 @ M	256 @ M	<15 @ M	22.8 @ M
Benz(a)anthracene	<14 µg/kg	TM218		<14 @ M	<14 @ M	106 @ M	269 @ M	<14 @ M	33.5 @ M
Chrysene	<10 µg/kg	TM218		16.7 @ M	24.3 @ M	121 @ M	290 @ M	31.8 @ M	37.1 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		126 @ M	49.3 @ M	158 @ M	283 @ M	33.2 @ M	45.4 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 @ M	<14 @ M	55.4 @ M	104 @ M	<14 @ M	<14 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 @ M	<15 @ M	88.7 @ M	182 @ M	<15 @ M	<15 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 @ M	<18 @ M	54.6 @ M	109 @ M	<18 @ M	<18 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 @ M	<23 @ M	<23 @ M	52.8 @ M	<23 @ M	<23 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		34.3 @ M	<24 @ M	70.2 @ M	117 @ M	<24 @ M	<24 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		324	<118	1210	2290	129	222

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

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	IP0873	IP0873	IP0873	IP0873	IP0969	IP0969
			Depth (m)	0.50	1.50	2.50	3.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-69	150227-69	150227-69	150227-69	150227-69	150227-69
			Lab Sample No.(s)	10916937	10916941	10916945	10916949	10916907	10916911
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		104	95.2	97.1	98.8	99.7	93
Acenaphthene-d10 % recovery**	%	TM218		103	99.7	96.9	98.1	99.1	97.1
Phenanthrene-d10 % recovery**	%	TM218		98.5	95.6	91.6	92.5	96.6	93.7
Chrysene-d12 % recovery**	%	TM218		95.4	91.5	83.1	87.4	93.6	88.4
Perylene-d12 % recovery**	%	TM218		103	100	91.8	94.2	105	96.5
Naphthalene	<9 µg/kg	TM218		115 @ M	<9 @ M	<9 @ M	<9 @ M	<9 @ M	<9 @ M
Acenaphthylene	<12 µg/kg	TM218		161 @ M	24.1 @ M	13.4 @ M	<12 @ M	<12 @ M	<12 @ M
Acenaphthene	<8 µg/kg	TM218		74.4 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M
Fluorene	<10 µg/kg	TM218		86.3 @ M	<10 @ M	<10 @ M	<10 @ M	<10 @ M	<10 @ M
Phenanthrene	<15 µg/kg	TM218		1140 @ M	57.5 @ M	131 @ M	56.5 @ M	57.7 @ M	76.1 @ M
Anthracene	<16 µg/kg	TM218		218 @ M	29.5 @ M	20.8 @ M	<16 @ M	<16 @ M	<16 @ M
Fluoranthene	<17 µg/kg	TM218		2710 @ M	147 @ M	197 @ M	32.4 @ M	<17 @ M	<17 @ M
Pyrene	<15 µg/kg	TM218		2040 @ M	135 @ M	152 @ M	25 @ M	<15 @ M	<15 @ M
Benz(a)anthracene	<14 µg/kg	TM218		1360 @ M	77.4 @ M	89.5 @ M	24.4 @ M	<14 @ M	<14 @ M
Chrysene	<10 µg/kg	TM218		1840 @ M	152 @ M	174 @ M	33.7 @ M	24 @ M	23.8 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		3010 @ M	182 @ M	208 @ M	49.3 @ M	20.1 @ M	<15 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		911 @ M	92.8 @ M	48.7 @ M	16.5 @ M	<14 @ M	<14 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		1440 @ M	138 @ M	109 @ M	<15 @ M	<15 @ M	<15 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		1000 @ M	118 @ M	80.4 @ M	<18 @ M	<18 @ M	<18 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		394 @ M	39.8 @ M	33.3 @ M	<23 @ M	<23 @ M	<23 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		1130 @ M	158 @ M	107 @ M	<24 @ M	<24 @ M	<24 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		17600	1350	1360	238	<118	<118

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

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	IP0969	IP0969	IP0970	IP0970	IP0970	IP1094
			Depth (m)	2.50	3.50	0.50	1.50	2.60	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-69	150227-69	150227-69	150227-69	150227-69	150227-69
			Lab Sample No.(s)	10916916	10916931	10916880	10916885	10916889	10916893
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		94.5	94.6	98.9	102	108	90.7
Acenaphthene-d10 % recovery**	%	TM218		98	99.7	97.5	102	108	88.9
Phenanthrene-d10 % recovery**	%	TM218		91.5	94.6	95.8	100	107	87.5
Chrysene-d12 % recovery**	%	TM218		90	89.4	93.9	93.8	102	87.6
Perylene-d12 % recovery**	%	TM218		96.9	96	105	95.9	105	101
Naphthalene	<9 µg/kg	TM218		24.5 @ M	12.5 @ M	16.5 @ M	<9 @ M	16.9 @ M	55 @ M
Acenaphthylene	<12 µg/kg	TM218		<12 @ M	<12 @ M	17.9 @ M	<12 @ M	<12 @ M	31.4 @ M
Acenaphthene	<8 µg/kg	TM218		<8 @ M	<8 @ M	19.8 @ M	<8 @ M	<8 @ M	118 @ M
Fluorene	<10 µg/kg	TM218		<10 @ M	<10 @ M	17.1 @ M	<10 @ M	<10 @ M	78.5 @ M
Phenanthrene	<15 µg/kg	TM218		93.9 @ M	94.8 @ M	282 @ M	118 @ M	216 @ M	689 @ M
Anthracene	<16 µg/kg	TM218		<16 @ M	<16 @ M	34.1 @ M	<16 @ M	<16 @ M	121 @ M
Fluoranthene	<17 µg/kg	TM218		<17 @ M	<17 @ M	412 @ M	<17 @ M	36.8 @ M	1540 @ M
Pyrene	<15 µg/kg	TM218		<15 @ M	<15 @ M	317 @ M	<15 @ M	25.9 @ M	1270 @ M
Benz(a)anthracene	<14 µg/kg	TM218		15.8 @ M	<14 @ M	294 @ M	<14 @ M	24.2 @ M	1050 @ M
Chrysene	<10 µg/kg	TM218		38 @ M	36.9 @ M	442 @ M	47.1 @ M	119 @ M	1250 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		37.8 @ M	28.5 @ M	715 @ M	37.5 @ M	88.7 @ M	2320 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 @ M	<14 @ M	229 @ M	<14 @ M	<14 @ M	772 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 @ M	<15 @ M	396 @ M	<15 @ M	18.7 @ M	1450 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 @ M	<18 @ M	310 @ M	<18 @ M	<18 @ M	1030 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 @ M	<23 @ M	119 @ M	<23 @ M	<23 @ M	366 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 @ M	<24 @ M	411 @ M	<24 @ M	<24 @ M	1340 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		210	173	4030	202	547	13500

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

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	IP1094	IP1094	IP3812	IP3812	IP3812	IP3813
			Depth (m)	1.50	2.50	0.50	1.50	2.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-69	150227-69	150227-69	150227-69	150227-69	150227-69
			Lab Sample No.(s)	10916897	10916903	10917049	10917057	10917065	10917525
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		118	114	96.1	91.4	98.8	98.9
Acenaphthene-d10 % recovery**	%	TM218		118	114	98.5	94.6	97	99.2
Phenanthrene-d10 % recovery**	%	TM218		115	98.7	92.4	92.9	95.2	97.7
Chrysene-d12 % recovery**	%	TM218		108	69.8	92.3	88.4	90.4	100
Perylene-d12 % recovery**	%	TM218		109	54.4	105	97.9	97.3	116
Naphthalene	<9 µg/kg	TM218		453 @ M	101 @ M	<9 @ M	<9 @ M	<9 @ M	165 @ M
Acenaphthylene	<12 µg/kg	TM218		144 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
Acenaphthene	<8 µg/kg	TM218		281 @ M	22.4 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M
Fluorene	<10 µg/kg	TM218		257 @ M	24.5 @ M	<10 @ M	<10 @ M	<10 @ M	36.2 @ M
Phenanthrene	<15 µg/kg	TM218		1770 @ M	190 @ M	51.2 @ M	98.4 @ M	20.3 @ M	265 @ M
Anthracene	<16 µg/kg	TM218		626 @ M	26.9 @ M	<16 @ M	<16 @ M	<16 @ M	25 @ M
Fluoranthene	<17 µg/kg	TM218		2570 @ M	122 @ M	28.7 @ M	<17 @ M	<17 @ M	45.5 @ M
Pyrene	<15 µg/kg	TM218		2150 @ M	105 @ M	22 @ M	<15 @ M	<15 @ M	50.2 @ M
Benz(a)anthracene	<14 µg/kg	TM218		1420 @ M	43.1 @ M	<14 @ M	<14 @ M	<14 @ M	<14 @ M
Chrysene	<10 µg/kg	TM218		1650 @ M	90 @ M	18.3 @ M	36.3 @ M	<10 @ M	139 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		1380 @ M	75.3 @ M	22.1 @ M	20.2 @ M	<15 @ M	67.9 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		859 @ M	35.2 @ M	<14 @ M	<14 @ M	<14 @ M	<14 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		1300 @ M	33.1 @ M	<15 @ M	<15 @ M	<15 @ M	<15 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		831 @ M	<18 @ M	<18 @ M	<18 @ M	<18 @ M	<18 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		318 @ M	<23 @ M	<23 @ M	<23 @ M	<23 @ M	<23 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		922 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		16900	869	142	155	<118	794

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

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	IP3813	IP3814	IP3814	IP3814	IP3818	IP3818
			Depth (m)	1.50	0.50	1.50	2.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-69	150227-69	150227-69	150227-69	150227-69	150227-69
			Lab Sample No.(s)	10917539	10917313	10917327	10917338	10917281	10917302
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		96.3	94.9	104	105	93.6	107
Acenaphthene-d10 % recovery**	%	TM218		94.3	94	104	105	93	107
Phenanthrene-d10 % recovery**	%	TM218		92.8	92.9	103	103	91.3	106
Chrysene-d12 % recovery**	%	TM218		87.7	90.3	97.6	96.4	89.7	99.9
Perylene-d12 % recovery**	%	TM218		93.9	102	101	99	102	104
Naphthalene	<9 µg/kg	TM218		351 @ M	<9 @ M	76.4 @ M	29.5 @ 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		42.9 @ M	<10 @ M	12.5 @ M	<10 @ M	<10 @ M	<10 @ M
Phenanthrene	<15 µg/kg	TM218		316 @ M	54.9 @ M	176 @ M	103 @ M	17.1 @ M	90.3 @ M
Anthracene	<16 µg/kg	TM218		<16 @ M	<16 @ M	<16 @ M	<16 @ M	<16 @ M	<16 @ M
Fluoranthene	<17 µg/kg	TM218		28.9 @ M	<17 @ M	25.3 @ M	<17 @ M	<17 @ M	<17 @ M
Pyrene	<15 µg/kg	TM218		<15 @ M	<15 @ M	<15 @ M	<15 @ M	<15 @ M	<15 @ M
Benz(a)anthracene	<14 µg/kg	TM218		<14 @ M	<14 @ M	20.2 @ M	<14 @ M	<14 @ M	<14 @ M
Chrysene	<10 µg/kg	TM218		125 @ M	26.9 @ M	73.2 @ M	39.2 @ M	<10 @ M	23.2 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		45 @ M	19.1 @ M	39.9 @ M	<15 @ M	<15 @ M	<15 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 @ M	<14 @ M	<14 @ M	<14 @ M	<14 @ M	<14 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 @ M	<15 @ M	<15 @ M	<15 @ M	<15 @ M	<15 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 @ M	<18 @ M	<18 @ M	<18 @ M	<18 @ M	<18 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 @ M	<23 @ M	<23 @ M	<23 @ M	<23 @ M	<23 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		909	<118	423	172	<118	<118

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

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	IP3819	IP3819	IP3820	IP3820	IP3821	IP3821
			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	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-69	150227-69	150227-69	150227-69	150227-69	150227-69
			Lab Sample No.(s)	10917471	10917487	10917355	10917374	10917024	10917034
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		92.1	92	99.8	94.7	100	102
Acenaphthene-d10 % recovery**	%	TM218		92.4	89.5	97.7	94.1	101	101
Phenanthrene-d10 % recovery**	%	TM218		91.8	87.9	95.9	91.9	96.7	99.2
Chrysene-d12 % recovery**	%	TM218		91.1	80.5	94	93.5	84.9	94.6
Perylene-d12 % recovery**	%	TM218		109	81.6	105	108	95.6	104
Naphthalene	<9 µg/kg	TM218		12.2 @ M	<9 @ M	1920 @ M	693 @ #	10.6 @ M	19.7 @ M
Acenaphthylene	<12 µg/kg	TM218		<12 @ M	<12 @ M	<12 @ M	<12 @ #	<12 @ M	<12 @ M
Acenaphthene	<8 µg/kg	TM218		<8 @ M	<8 @ M	22 @ M	<8 @ #	<8 @ M	<8 @ M
Fluorene	<10 µg/kg	TM218		<10 @ M	<10 @ M	58.6 @ M	<10 @ #	<10 @ M	<10 @ M
Phenanthrene	<15 µg/kg	TM218		133 @ M	98.9 @ M	263 @ M	236 @ #	89.9 @ M	80.9 @ M
Anthracene	<16 µg/kg	TM218		<16 @ M	<16 @ M	26.6 @ M	<16 @ #	<16 @ M	<16 @ M
Fluoranthene	<17 µg/kg	TM218		39.5 @ M	<17 @ M	23.2 @ M	22.2 @ #	27.8 @ M	76.2 @ M
Pyrene	<15 µg/kg	TM218		29.9 @ M	<15 @ M	34.6 @ M	<15 @ #	19.8 @ M	55.5 @ M
Benz(a)anthracene	<14 µg/kg	TM218		<14 @ M	<14 @ M	<14 @ M	<14 @ #	22.1 @ M	35.9 @ M
Chrysene	<10 µg/kg	TM218		60.4 @ M	31 @ M	51.8 @ M	70 @ #	36 @ M	56.7 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		65.1 @ M	19.3 @ M	19.4 @ M	35.8 @ #	29.5 @ M	63.1 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 @ M	<14 @ M	<14 @ M	<14 @ #	<14 @ M	17.7 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		18.3 @ M	<15 @ M	<15 @ M	<15 @ #	<15 @ M	27.9 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 @ M	<18 @ M	<18 @ M	<18 @ #	<18 @ M	<18 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 @ M	<23 @ M	<23 @ M	<23 @ #	<23 @ M	<23 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 @ M	<24 @ M	<24 @ M	<24 @ #	<24 @ M	<24 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		358	149	2420	1060	236	433

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

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	IP3821	IP3822	IP3822	IP3822	IP3823	IP3823
			Depth (m)	2.50	0.50	1.50	2.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-69	150227-69	150227-69	150227-69	150227-69	150227-69
			Lab Sample No.(s)	10917041	10917193	10917202	10917215	10917403	10917420
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		90.1	94.9	93.1	87.9	101	92.9
Acenaphthene-d10 % recovery**	%	TM218		93.9	93.5	96.9	91.1	101	96.1
Phenanthrene-d10 % recovery**	%	TM218		93.5	91.1	95.6	91	98.5	93.6
Chrysene-d12 % recovery**	%	TM218		87.1	84.6	90.9	86.3	99.1	89.4
Perylene-d12 % recovery**	%	TM218		93.8	88.1	100	96	112	100
Naphthalene	<9 µg/kg	TM218		11.3 @ M	<9 @ M	<9 @ M	<9 @ M	408 @ M	183 @ 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	11.3 @ M	<8 @ M
Fluorene	<10 µg/kg	TM218		<10 @ M	<10 @ M	<10 @ M	<10 @ M	45.8 @ M	<10 @ M
Phenanthrene	<15 µg/kg	TM218		122 @ M	79.6 @ M	81.8 @ M	96.3 @ M	701 @ M	483 @ M
Anthracene	<16 µg/kg	TM218		<16 @ M	<16 @ M	<16 @ M	<16 @ M	<16 @ M	<16 @ M
Fluoranthene	<17 µg/kg	TM218		121 @ M	<17 @ M	31 @ M	<17 @ M	58.5 @ M	38.6 @ M
Pyrene	<15 µg/kg	TM218		84.2 @ M	<15 @ M	21.2 @ M	<15 @ M	41 @ M	<15 @ M
Benz(a)anthracene	<14 µg/kg	TM218		59.8 @ M	<14 @ M	<14 @ M	<14 @ M	<14 @ M	<14 @ M
Chrysene	<10 µg/kg	TM218		76.1 @ M	39.2 @ M	43.8 @ M	32.6 @ M	266 @ M	132 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		91.8 @ M	27.3 @ M	39.1 @ M	36.5 @ M	110 @ M	94.5 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		26.6 @ M	<14 @ M	<14 @ M	<14 @ M	<14 @ M	<14 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		41.9 @ M	<15 @ M	<15 @ M	<15 @ M	<15 @ M	<15 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		27.8 @ M	<18 @ M	<18 @ M	<18 @ M	<18 @ M	<18 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 @ M	<23 @ M	<23 @ M	<23 @ M	<23 @ M	<23 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		34.6 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		697	146	217	165	1640	932

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

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	IP3824	IP3825	IP3825	IP3826	IP3826	IP3826
			Depth (m)	0.50	0.50	1.50	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-69	150227-69	150227-69	150227-69	150227-69	150227-69
			Lab Sample No.(s)	10917393	10917500	10917515	10917112	10917119	10917127
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		89.1	90	96.2	95.7	91.4	91.8
Acenaphthene-d10 % recovery**	%	TM218		92.4	90.6	94.7	93.9	89.6	90.2
Phenanthrene-d10 % recovery**	%	TM218		92.4	89.5	90.9	92.1	88.2	88.3
Chrysene-d12 % recovery**	%	TM218		88.3	90.2	95.8	88.6	81.6	81.9
Perylene-d12 % recovery**	%	TM218		95.5	109	113	99	84	84.4
Naphthalene	<9 µg/kg	TM218		356 @ M	<9 @ M	<9 @ M	18.3 @ M	17.3 @ M	18.5 @ 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		26.7 @ M	<10 @ M	17.7 @ M	<10 @ M	<10 @ M	<10 @ M
Phenanthrene	<15 µg/kg	TM218		435 @ M	81.1 @ M	52.8 @ M	115 @ M	86.5 @ M	115 @ M
Anthracene	<16 µg/kg	TM218		<16 @ M	<16 @ M	<16 @ M	<16 @ M	<16 @ M	<16 @ M
Fluoranthene	<17 µg/kg	TM218		55.8 @ M	<17 @ M	<17 @ M	<17 @ M	<17 @ M	56.5 @ M
Pyrene	<15 µg/kg	TM218		19.7 @ M	<15 @ M	<15 @ M	<15 @ M	<15 @ M	42.7 @ M
Benz(a)anthracene	<14 µg/kg	TM218		<14 @ M	<14 @ M	<14 @ M	<14 @ M	<14 @ M	<14 @ M
Chrysene	<10 µg/kg	TM218		235 @ M	47.3 @ M	22.2 @ M	42.3 @ M	33.9 @ M	79.1 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		123 @ M	37.6 @ M	17.2 @ M	23.9 @ M	<15 @ M	69.3 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 @ M	<14 @ M	<14 @ M	<14 @ M	<14 @ M	18.3 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 @ M	<15 @ M	<15 @ M	<15 @ M	<15 @ M	27.5 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 @ M	<18 @ M	<18 @ M	<18 @ M	<18 @ M	20.7 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 @ M	<23 @ M	<23 @ M	<23 @ M	<23 @ M	<23 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		1250	166	<118	199	138	448

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

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	IP3828	IP3828	IP3829	IP3830	IP3830	IP3831
			Depth (m)	0.50	1.50	0.50	0.50	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-69	150227-69	150227-69	150227-69	150227-69	150227-69
			Lab Sample No.(s)	10917236	10917243	10917228	10917438	10917458	10917171
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		91.9	109	94.4	103	90.9	94.1
Acenaphthene-d10 % recovery**	%	TM218		92.5	109	96.4	102	93.7	94.9
Phenanthrene-d10 % recovery**	%	TM218		88.9	108	93.4	100	93.3	91.8
Chrysene-d12 % recovery**	%	TM218		90.9	102	96.2	100	88.1	85.3
Perylene-d12 % recovery**	%	TM218		108	105	120	113	96.7	94.9
Naphthalene	<9 µg/kg	TM218		<9 @ M	<9 @ M	17.2 @ #	<9 @ M	<9 @ M	<9 @ M
Acenaphthylene	<12 µg/kg	TM218		<12 @ M	<12 @ M	<12 @ #	<12 @ M	<12 @ M	<12 @ M
Acenaphthene	<8 µg/kg	TM218		<8 @ M	<8 @ M	<8 @ #	<8 @ M	<8 @ M	<8 @ M
Fluorene	<10 µg/kg	TM218		<10 @ M	<10 @ M	27.5 @ #	<10 @ M	<10 @ M	<10 @ M
Phenanthrene	<15 µg/kg	TM218		64.1 @ M	168 @ M	87.7 @ #	71.8 @ M	76.2 @ M	72 @ M
Anthracene	<16 µg/kg	TM218		<16 @ M	<16 @ M	<16 @ #	<16 @ M	<16 @ M	<16 @ M
Fluoranthene	<17 µg/kg	TM218		<17 @ M	33.8 @ M	28.8 @ #	<17 @ M	<17 @ M	<17 @ M
Pyrene	<15 µg/kg	TM218		<15 @ M	19.1 @ M	20.5 @ #	<15 @ M	<15 @ M	<15 @ M
Benz(a)anthracene	<14 µg/kg	TM218		<14 @ M	22.7 @ M	<14 @ #	<14 @ M	<14 @ M	<14 @ M
Chrysene	<10 µg/kg	TM218		35.3 @ M	125 @ M	39.7 @ #	37.4 @ M	<10 @ M	35.7 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		25.4 @ M	181 @ M	39.8 @ #	47.4 @ M	81.8 @ M	31.9 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 @ M	24.5 @ M	<14 @ #	<14 @ M	<14 @ M	<14 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 @ M	<15 @ M	<15 @ #	<15 @ M	<15 @ M	<15 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 @ M	<18 @ M	<18 @ #	<18 @ M	<18 @ M	<18 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 @ M	<23 @ M	<23 @ #	<23 @ M	<23 @ M	<23 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 @ M	74.6 @ M	<24 @ #	<24 @ M	31.2 @ M	<24 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		125	649	261	157	189	140

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

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	IP3831	IP3832	IP3832	IP3832	IP3826A	IP3826A
			Depth (m)	1.50	0.50	1.50	2.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-69	150227-69	150227-69	150227-69	150227-69	150227-69
			Lab Sample No.(s)	10917187	10917137	10917149	10917160	10917251	10917266
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		98.7	92.3	89.6	89.4	98.8	103
Acenaphthene-d10 % recovery**	%	TM218		101	92.9	92.6	93.2	97.7	103
Phenanthrene-d10 % recovery**	%	TM218		96	92.5	91.2	93.4	95.7	102
Chrysene-d12 % recovery**	%	TM218		92.5	89.7	86.1	88.4	92.4	98.1
Perylene-d12 % recovery**	%	TM218		102	100	94.1	97.4	103	103
Naphthalene	<9 µg/kg	TM218		<9 @ M	<9 @ M	69.9 @ M	43.3 @ M	<9 @ M	39.7 @ 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	33.1 @ M	<10 @ M	<10 @ M	<10 @ M	<10 @ M
Phenanthrene	<15 µg/kg	TM218		30.9 @ M	81.1 @ M	234 @ M	188 @ M	125 @ M	384 @ M
Anthracene	<16 µg/kg	TM218		<16 @ M	<16 @ M	<16 @ M	<16 @ M	<16 @ M	<16 @ M
Fluoranthene	<17 µg/kg	TM218		<17 @ M	<17 @ M	<17 @ M	<17 @ M	<17 @ M	30.6 @ M
Pyrene	<15 µg/kg	TM218		<15 @ M	<15 @ M	<15 @ M	<15 @ M	<15 @ M	<15 @ M
Benz(a)anthracene	<14 µg/kg	TM218		18 @ M	<14 @ M	<14 @ M	<14 @ M	<14 @ M	35.7 @ M
Chrysene	<10 µg/kg	TM218		17.4 @ M	33.7 @ M	89.7 @ M	67.9 @ M	50.4 @ M	131 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		<15 @ M	27.7 @ M	28.3 @ M	36.8 @ M	34.4 @ M	53.8 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 @ M	<14 @ M	<14 @ M	<14 @ M	<14 @ M	<14 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 @ M	<15 @ M	<15 @ M	<15 @ M	<15 @ M	<15 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 @ M	<18 @ M	<18 @ M	<18 @ M	<18 @ M	<18 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 @ M	<23 @ M	<23 @ M	<23 @ M	<23 @ M	<23 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		<118	176	422	336	210	675

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

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	TPE0301	TPE0301	TPE1663	TPE1664	TPE1665	TPE1665
			Depth (m)	1.00	2.00	0.50	0.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-69	150227-69	150227-69	150227-69	150227-69	150227-69
			Lab Sample No.(s)	10916798	10916803	10917074	10917088	10917096	10917102
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		98.8	99.9	97.6	99.6	98.4	104
Acenaphthene-d10 % recovery**	%	TM218		101	96.1	102	101	102	104
Phenanthrene-d10 % recovery**	%	TM218		97.3	94.5	98.1	95.1	94.6	102
Chrysene-d12 % recovery**	%	TM218		97.8	90.7	96.1	96.6	96.8	96.4
Perylene-d12 % recovery**	%	TM218		113	92.6	109	110	108	99.7
Naphthalene	<9 µg/kg	TM218		52.4 @ M	50.3 @ M	65.6 @ M	32 @ M	<9 @ M	2390 @ M
Acenaphthylene	<12 µg/kg	TM218		27.2 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
Acenaphthene	<8 µg/kg	TM218		164 @ M	<8 @ M	19.4 @ M	<8 @ M	<8 @ M	23.5 @ M
Fluorene	<10 µg/kg	TM218		156 @ M	<10 @ M	17.9 @ M	<10 @ M	<10 @ M	27.3 @ M
Phenanthrene	<15 µg/kg	TM218		967 @ M	18.9 @ M	392 @ M	120 @ M	38 @ M	323 @ M
Anthracene	<16 µg/kg	TM218		168 @ M	<16 @ M	34.4 @ M	<16 @ M	<16 @ M	24.5 @ M
Fluoranthene	<17 µg/kg	TM218		1780 @ M	<17 @ M	760 @ M	121 @ M	<17 @ M	37.1 @ M
Pyrene	<15 µg/kg	TM218		1370 @ M	<15 @ M	611 @ M	113 @ M	<15 @ M	43.4 @ M
Benz(a)anthracene	<14 µg/kg	TM218		857 @ M	<14 @ M	827 @ M	90.8 @ M	<14 @ M	33.5 @ M
Chrysene	<10 µg/kg	TM218		1090 @ M	<10 @ M	1080 @ M	139 @ M	<10 @ M	100 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		1450 @ M	<15 @ M	1820 @ M	173 @ M	<15 @ M	47.9 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		571 @ M	<14 @ M	647 @ M	64.2 @ M	<14 @ M	<14 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		1020 @ M	<15 @ M	1140 @ M	106 @ M	<15 @ M	<15 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		669 @ M	<18 @ M	801 @ M	74.5 @ M	<18 @ M	<18 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		243 @ M	<23 @ M	334 @ M	31.4 @ M	<23 @ M	<23 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		818 @ M	<24 @ M	858 @ M	107 @ M	<24 @ M	<24 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		11400	<118	9400	1170	<118	3050

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

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	IP0390	IP0390	IP0390	IP0568	IP0568	IP0590
			Depth (m)	0.50	1.50	2.60	0.50	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-69	150227-69	150227-69	150227-69	150227-69	150227-69
			Lab Sample No.(s)	10916954	10916960	10916966	10916807	10916815	10916823
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		81 @	96 @	93 @	98 @	79 @	94 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 @ M	<176 @ M	371 @ M	1410 @ M	714000 @ M	250 @ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 @ M	<20 @ M	<20 @ M	<20 @ M	<100 @ M	<20 @ M
Benzene	<10 µg/kg	TM089		<40 @ M	<40 @ M	<40 @ M	<40 @ M	<200 @ M	<40 @ M
Toluene	<2 µg/kg	TM089		<8 @ M	<8 @ M	<8 @ M	<8 @ M	<40 @ M	<8 @ M
Ethylbenzene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<60 @ M	<12 @ M
m,p-Xylene	<6 µg/kg	TM089		<24 @ M	<24 @ M	<24 @ M	<24 @ M	<120 @ M	<24 @ M
o-Xylene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<60 @ M	15.6 @ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 @	<9 @	<9 @	<9 @	<9 @	15.6 @
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 @	282 @	<40 @
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 @	<40 @	233 @	77.4 @	13100 @	<40 @
Aliphatics >C8-C10	<10 µg/kg	TM089		<40 @	<40 @	67.7 @	359 @	163000 @	<40 @
Aliphatics >C10-C12	<10 µg/kg	TM089		<40 @	<40 @	<40 @	435 @	258000 @	53.3 @
Aliphatics >C12-C16	<100 µg/kg	TM173		1840	<100	<100	449000	749000	4700
Aliphatics >C16-C21	<100 µg/kg	TM173		3500	<100	<100	49200	41500	35400
Aliphatics >C21-C35	<100 µg/kg	TM173		13300	<100	<100	50700	21700	54500
Aliphatics >C35-C44	<100 µg/kg	TM173		4830	<100	<100	9420	1990	8000
Total Aliphatics >C12-C44	<100 µg/kg	TM173		23500	<100	<100	558000	814000	103000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<200 @	<40 @
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<200 @	<40 @
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40 @	<40 @	45.5 @	239 @	108000 @	57.2 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40 @	<40 @	<40 @	290 @	172000 @	<40 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		1210	1310	<100	6190	42600	1540
Aromatics >EC16-EC21	<100 µg/kg	TM173		15400	12800	<100	14400	11000	13100
Aromatics >EC21-EC35	<100 µg/kg	TM173		64500	47700	<100	73900	8310	65200
Aromatics >EC35-EC44	<100 µg/kg	TM173		20800	17500	<100	33200	802	23400
Aromatics >EC40-EC44	<100 µg/kg	TM173		7520	6750	<100	12300	<100	7800
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		102000	79200	<100	128000	62700	103000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		125000	79200	320	687000	1590000	206000

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

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	IP0590	IP0610	IP0610	IP0641	IP0641	IP0642
			Depth (m)	1.50	0.50	1.50	0.80	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-69	150227-69	150227-69	150227-69	150227-69	150227-69
			Lab Sample No.(s)	10916831	10916838	10916842	10916847	10916851	10917081
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		75 @	125 @	92 @	107 @	97 @	100 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		1100000 @ M	18700 @ M	2370 @ M	4670 @ M	11200 @ M	211000 @ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<100 @ M	<20 @ M	86.3 @ M	<20 @ M	<20 @ M	<20 @ M
Benzene	<10 µg/kg	TM089		409 @ M	295 @ M	<40 @ M	<40 @ M	49.6 @ M	<40 @ M
Toluene	<2 µg/kg	TM089		<40 @ M	74.7 @ M	<8 @ M	<8 @ M	134 @ M	178 @ M
Ethylbenzene	<3 µg/kg	TM089		<60 @ M	23.2 @ M	<12 @ M	35.7 @ M	<12 @ M	<12 @ M
m,p-Xylene	<6 µg/kg	TM089		<120 @ M	81.3 @ M	<24 @ M	50.4 @ M	134 @ M	<24 @ M
o-Xylene	<3 µg/kg	TM089		<60 @ M	307 @ M	<12 @ M	71.4 @ M	165 @ M	<12 @ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 @	388 @	<9 @	122 @	299 @	<9 @
sum of detected BTEX by GC	<24 µg/kg	TM089		409 @	781 @	<24 @	158 @	483 @	178 @
Aliphatics >C5-C6	<10 µg/kg	TM089		3850 @	3960 @	216 @	575 @	718 @	247 @
Aliphatics >C6-C8	<10 µg/kg	TM089		230000 @	7560 @	803 @	2580 @	5200 @	5950 @
Aliphatics >C8-C10	<10 µg/kg	TM089		253000 @	3000 @	329 @	552 @	2440 @	67600 @
Aliphatics >C10-C12	<10 µg/kg	TM089		269000 @	868 @	419 @	263 @	420 @	55200 @
Aliphatics >C12-C16	<100 µg/kg	TM173		66800	<100	5480	30600	<100	31900
Aliphatics >C16-C21	<100 µg/kg	TM173		41400	3480	1570	8050	<100	1130
Aliphatics >C21-C35	<100 µg/kg	TM173		4660	17500	5890	33100	<100	3620
Aliphatics >C35-C44	<100 µg/kg	TM173		141	1190	427	1050	<100	219
Total Aliphatics >C12-C44	<100 µg/kg	TM173		113000	22100	13400	72800	<100	36800
Aromatics >EC5-EC7	<10 µg/kg	TM089		409 @	295 @	<40 @	<40 @	49.6 @	<40 @
Aromatics >EC7-EC8	<10 µg/kg	TM089		<200 @	74.7 @	<40 @	<40 @	134 @	178 @
Aromatics >EC8-EC10	<10 µg/kg	TM089		169000 @	2410 @	220 @	527 @	1930 @	45100 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		179000 @	579 @	279 @	174 @	280 @	36800 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		25600	144	<100	10000	<100	43500
Aromatics >EC16-EC21	<100 µg/kg	TM173		17500	4580	1740	14600	<100	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		3850	81900	18000	166000	5330	6880
Aromatics >EC35-EC44	<100 µg/kg	TM173		456	22600	3960	48900	<100	683
Aromatics >EC40-EC44	<100 µg/kg	TM173		125	9040	881	10500	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		47400	109000	23700	239000	5330	51100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		1260000	150000	39400	317000	16500	299000

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

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	IP0642	IP0643	IP0654	IP0654	IP0654	IP0654
			Depth (m)	1.50	0.50	0.80	2.50	3.50	4.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-69	150227-69	150227-69	150227-69	150227-69	150227-69
			Lab Sample No.(s)	10917180	10916794	10917290	10917450	10916767	10916771
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		117 @	130 @	71 @	38 @	78 @	87 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		708000 @ M	<176 @ M	<176 @ M	<176 @ M	<176 @ M	<176 @ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<100 @ M	<20 @ M	<20 @ M	<20 @ M	<20 @ M	<20 @ M
Benzene	<10 µg/kg	TM089		<200 @ M	<40 @ M	<40 @ M	<40 @ M	<40 @ M	<40 @ M
Toluene	<2 µg/kg	TM089		<40 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M
Ethylbenzene	<3 µg/kg	TM089		<60 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
m,p-Xylene	<6 µg/kg	TM089		<120 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M
o-Xylene	<3 µg/kg	TM089		<60 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 @	<9 @	<9 @	<9 @	<9 @	<9 @
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 @	<24 @	<24 @	<24 @	<24 @	<24 @
Aliphatics >C5-C6	<10 µg/kg	TM089		2560 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C6-C8	<10 µg/kg	TM089		33600 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C8-C10	<10 µg/kg	TM089		217000 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C10-C12	<10 µg/kg	TM089		186000 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C12-C16	<100 µg/kg	TM173		53100	<100	9340	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		2200	8700	37100	5910	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	35600	130000	149000	<100	2030
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	5880	38100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		55300	50200	215000	155000	<100	2030
Aromatics >EC5-EC7	<10 µg/kg	TM089		<200 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC7-EC8	<10 µg/kg	TM089		<200 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC8-EC10	<10 µg/kg	TM089		145000 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		124000 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		53500	438	2470	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		905	5360	19800	12100	<100	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		2650	31400	189000	515000	12000	7980
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	12000	71900	165000	<100	2160
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	3620	23100	25800	<100	560
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		57100	49200	283000	692000	12000	10100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		821000	99400	498000	846000	12000	12200

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

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	IP0706	IP0706	IP0706	IP0706	IP0706	IP0707
			Depth (m)	0.50	1.50	2.20	3.20	4.20	1.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-69	150227-69	150227-69	150227-69	150227-69	150227-69
			Lab Sample No.(s)	10916760	10916811	10916871	10916922	10916987	10916775
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		116 @	79 @	36 @	57 @	51 @	92 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 @ M	<176 @ M	<176 @ M	<176 @ M	<176 @ M	9600 @ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 @ M	<20 @ M	<20 @ M	<20 @ M	<20 @ M	<20 @ M
Benzene	<10 µg/kg	TM089		<40 @ M	<40 @ M	<40 @ M	<40 @ M	<40 @ M	<40 @ M
Toluene	<2 µg/kg	TM089		<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M
Ethylbenzene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
m,p-Xylene	<6 µg/kg	TM089		<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M
o-Xylene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 @	<9 @	<9 @	<9 @	<9 @	<9 @
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 @	<24 @	<24 @	<24 @	<24 @	<24 @
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	2320 @
Aliphatics >C8-C10	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	3960 @
Aliphatics >C10-C12	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	387 @
Aliphatics >C12-C16	<100 µg/kg	TM173		2130	<100	126000	<100	72200	5110
Aliphatics >C16-C21	<100 µg/kg	TM173		6220	<100	36500	<100	17000	19200
Aliphatics >C21-C35	<100 µg/kg	TM173		30700	8210	50200	<100	40400	57300
Aliphatics >C35-C44	<100 µg/kg	TM173		9870	<100	9260	<100	3670	15700
Total Aliphatics >C12-C44	<100 µg/kg	TM173		48900	8210	222000	<100	133000	97400
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	2640 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	258 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		314	<100	14100	<100	6590	2050
Aromatics >EC16-EC21	<100 µg/kg	TM173		1450	<100	16500	466	8210	13900
Aromatics >EC21-EC35	<100 µg/kg	TM173		17700	6050	99200	5920	159000	81900
Aromatics >EC35-EC44	<100 µg/kg	TM173		11500	1610	45400	1270	54400	31800
Aromatics >EC40-EC44	<100 µg/kg	TM173		4410	<100	15100	333	14000	11700
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		30900	7660	175000	7660	228000	130000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		79900	15900	397000	7660	361000	237000

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

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	IP0707	IP0707	IP0707	IP0792	IP0792	IP0792
			Depth (m)	2.00	3.00	4.00	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-69	150227-69	150227-69	150227-69	150227-69	150227-69
			Lab Sample No.(s)	10916779	10916785	10916789	10916857	10916861	10916865
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		54 @	71 @	94 @	57 @	121 @	38 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 @ M	<176 @ M	<176 @ M	230 @ M	<176 @ M	<176 @ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 @ M	<20 @ M	<20 @ M	<20 @ M	<20 @ M	<20 @ M
Benzene	<10 µg/kg	TM089		<40 @ M	<40 @ M	<40 @ M	<40 @ M	<40 @ M	<40 @ M
Toluene	<2 µg/kg	TM089		<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M
Ethylbenzene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
m,p-Xylene	<6 µg/kg	TM089		<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M
o-Xylene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 @	<9 @	<9 @	<9 @	<9 @	<9 @
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 @	<24 @	<24 @	<24 @	<24 @	<24 @
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	70.2 @	<40 @	<40 @
Aliphatics >C8-C10	<10 µg/kg	TM089		<40 @	<40 @	<40 @	55.2 @	<40 @	<40 @
Aliphatics >C10-C12	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		3080	<100	<100	<100	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		112000	10600	4090	2900	3620	<100
Aliphatics >C35-C44	<100 µg/kg	TM173		2250	<100	<100	937	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		117000	10600	4090	3840	3620	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		3320	<100	<100	684	<100	1310
Aromatics >EC16-EC21	<100 µg/kg	TM173		12000	<100	<100	1330	<100	1990
Aromatics >EC21-EC35	<100 µg/kg	TM173		462000	6950	3910	4700	<100	3030
Aromatics >EC35-EC44	<100 µg/kg	TM173		138000	899	<100	4480	<100	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		22700	<100	<100	2480	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		615000	7850	3910	11200	<100	6330
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		732000	18500	8000	15300	3620	6330

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

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	IP0792	IP0794	IP0872	IP0872	IP0872	IP0872
			Depth (m)	3.60	0.50	0.50	1.50	2.50	3.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-69	150227-69	150227-69	150227-69	150227-69	150227-69
			Lab Sample No.(s)	10916875	10917017	10916972	10916979	10916996	10917006
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		78 @	82 @	83 @	107 @	91 @	94 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 @ M	<176 @ M	<176 @ M	<176 @ M	<176 @ M	<176 @ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 @ M	<20 @ M	<20 @ M	<20 @ M	<20 @ M	<20 @ M
Benzene	<10 µg/kg	TM089		<40 @ M	<40 @ M	<40 @ M	<40 @ M	<40 @ M	<40 @ M
Toluene	<2 µg/kg	TM089		<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M
Ethylbenzene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
m,p-Xylene	<6 µg/kg	TM089		<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M
o-Xylene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 @	<9 @	<9 @	<9 @	<9 @	<9 @
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 @	<24 @	<24 @	<24 @	<24 @	<24 @
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C8-C10	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C10-C12	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<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		1590	<100	2170	<100	<100	<100
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	1430	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		1590	<100	3590	<100	<100	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	<100	<100	281	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		798	<100	1470	966	534	498
Aromatics >EC21-EC35	<100 µg/kg	TM173		2100	315	10300	3800	1640	1530
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	<100	10200	<100	1200	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	<100	5500	<100	422	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		2890	315	21900	4760	3650	2030
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		4490	321	25500	4760	3650	2030

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

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	IP0873	IP0873	IP0873	IP0873	IP0969	IP0969
			Depth (m)	0.50	1.50	2.50	3.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-69	150227-69	150227-69	150227-69	150227-69	150227-69
			Lab Sample No.(s)	10916937	10916941	10916945	10916949	10916907	10916911
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		67 @	94 @	84 @	82 @	89 @	96 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 @ M	<176 @ M	<176 @ M	<176 @ M	<176 @ M	<176 @ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 @ M	<20 @ M	<20 @ M	<20 @ M	<20 @ M	<20 @ M
Benzene	<10 µg/kg	TM089		<40 @ M	<40 @ M	<40 @ M	<40 @ M	<40 @ M	<40 @ M
Toluene	<2 µg/kg	TM089		<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M
Ethylbenzene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
m,p-Xylene	<6 µg/kg	TM089		<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M
o-Xylene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 @	<9 @	<9 @	<9 @	<9 @	<9 @
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 @	<24 @	<24 @	<24 @	<24 @	<24 @
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C8-C10	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C10-C12	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C12-C16	<100 µg/kg	TM173		1510	<100	<100	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		4460	<100	<100	<100	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		33800	<100	<100	<100	<100	<100
Aliphatics >C35-C44	<100 µg/kg	TM173		10100	<100	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		49900	<100	<100	<100	<100	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		1900	<100	<100	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		14800	568	1450	<100	<100	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		79200	4670	7410	956	410	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173		31800	1750	1530	<100	2920	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		12500	613	<100	<100	1780	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		128000	6990	10400	956	3330	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		178000	6990	10400	956	3330	<100

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

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	IP0969	IP0969	IP0970	IP0970	IP0970	IP1094
			Depth (m)	2.50	3.50	0.50	1.50	2.60	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-69	150227-69	150227-69	150227-69	150227-69	150227-69
			Lab Sample No.(s)	10916916	10916931	10916880	10916885	10916889	10916893
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		98 @	105 @	112 @	109 @	114 @	78 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 @ M	<176 @ M	<176 @ M	<176 @ M	<176 @ M	<176 @ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 @ M	<20 @ M	<20 @ M	<20 @ M	<20 @ M	<20 @ M
Benzene	<10 µg/kg	TM089		<40 @ M	<40 @ M	<40 @ M	<40 @ M	<40 @ M	<40 @ M
Toluene	<2 µg/kg	TM089		<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M
Ethylbenzene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
m,p-Xylene	<6 µg/kg	TM089		<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M
o-Xylene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 @	<9 @	<9 @	<9 @	<9 @	<9 @
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 @	<24 @	<24 @	<24 @	<24 @	<24 @
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C8-C10	<10 µg/kg	TM089		<40 @	46.9 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C10-C12	<10 µg/kg	TM089		<40 @	42.5 @	<40 @	<40 @	54.2 @	<40 @
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	<100	<100	<100	921
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	<100	<100	<100	15100
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	<100	<100	<100	<100	108000
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	<100	<100	<100	61700
Total Aliphatics >C12-C44	<100 µg/kg	TM173		<100	<100	<100	<100	<100	185000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	1590	<100	<100	3000
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	<100	7400	<100	<100	20900
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	<100	34900	<100	<100	162000
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	<100	17600	<100	<100	129000
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	<100	7890	<100	<100	58500
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		<100	<100	61400	<100	<100	316000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		<100	113	61400	<100	112	501000

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

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	IP1094	IP1094	IP3812	IP3812	IP3812	IP3813
			Depth (m)	1.50	2.50	0.50	1.50	2.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-69	150227-69	150227-69	150227-69	150227-69	150227-69
			Lab Sample No.(s)	10916897	10916903	10917049	10917057	10917065	10917525
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		76 @	30 @	96 @	86 @	91 @	83 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 @ M	<176 @ M	<176 @ M	<176 @ M	<176 @ M	1800 @ 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		10.4 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M	118 @ M
Ethylbenzene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	67.1 @ M
m,p-Xylene	<6 µg/kg	TM089		<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M	165 @ M
o-Xylene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	149 @ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 @	<9 @	<9 @	<9 @	<9 @	314 @
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 @	<24 @	<24 @	<24 @	<24 @	499 @
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	142 @
Aliphatics >C8-C10	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	372 @
Aliphatics >C10-C12	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	304 @
Aliphatics >C12-C16	<100 µg/kg	TM173		7890	6410	<100	<100	654	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		30600	15400	<100	<100	729	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		76000	55000	3300	2730	2210	2060
Aliphatics >C35-C44	<100 µg/kg	TM173		22800	13700	<100	1050	<100	231
Total Aliphatics >C12-C44	<100 µg/kg	TM173		137000	90600	3300	3770	3600	2290
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 @	118 @
Aromatics >EC8-EC10	<10 µg/kg	TM089		40.3 @	<40 @	<40 @	<40 @	<40 @	629 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	202 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		2900	365	<100	<100	<100	1350
Aromatics >EC16-EC21	<100 µg/kg	TM173		46900	3410	491	<100	<100	1980
Aromatics >EC21-EC35	<100 µg/kg	TM173		123000	89500	3210	1690	1260	1980
Aromatics >EC35-EC44	<100 µg/kg	TM173		45700	49000	465	435	<100	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		17900	13300	<100	<100	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		218000	142000	4170	2130	1260	5310
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		356000	233000	7460	5900	4860	9400

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

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	IP3813	IP3814	IP3814	IP3814	IP3818	IP3818
			Depth (m)	1.50	0.50	1.50	2.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-69	150227-69	150227-69	150227-69	150227-69	150227-69
			Lab Sample No.(s)	10917539	10917313	10917327	10917338	10917281	10917302
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		88 @	78 @	93 @	96 @	102 @	95 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		17300 @ M	<176 @ M	3500 @ M	1530 @ M	<176 @ M	918 @ 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		145 @ M	<40 @ M	98.3 @ M	49.5 @ M	<40 @ M	<40 @ M
Toluene	<2 µg/kg	TM089		591 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M
Ethylbenzene	<3 µg/kg	TM089		160 @ M	<12 @ M	30.4 @ M	<12 @ M	<12 @ M	<12 @ M
m,p-Xylene	<6 µg/kg	TM089		835 @ M	<24 @ M	102 @ M	31.1 @ M	<24 @ M	<24 @ M
o-Xylene	<3 µg/kg	TM089		151 @ M	<12 @ M	16.4 @ M	<12 @ M	<12 @ M	<12 @ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		986 @	<9 @	118 @	31.1 @	<9 @	<9 @
sum of detected BTEX by GC	<24 µg/kg	TM089		1880 @	<24 @	247 @	80.6 @	<24 @	<24 @
Aliphatics >C5-C6	<10 µg/kg	TM089		396 @	<40 @	76.1 @	57.5 @	<40 @	<40 @
Aliphatics >C6-C8	<10 µg/kg	TM089		5380 @	<40 @	1830 @	598 @	<40 @	424 @
Aliphatics >C8-C10	<10 µg/kg	TM089		3250 @	<40 @	529 @	258 @	<40 @	226 @
Aliphatics >C10-C12	<10 µg/kg	TM089		2550 @	<40 @	277 @	212 @	<40 @	47.5 @
Aliphatics >C12-C16	<100 µg/kg	TM173		492	<100	<100	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	29600	<100	<100	242	<100
Aliphatics >C35-C44	<100 µg/kg	TM173		285	<100	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		777	29600	<100	<100	242	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089		145 @	<40 @	98.3 @	49.5 @	<40 @	<40 @
Aromatics >EC7-EC8	<10 µg/kg	TM089		591 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC8-EC10	<10 µg/kg	TM089		3310 @	<40 @	502 @	215 @	<40 @	151 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		1700 @	<40 @	185 @	141 @	<40 @	<40 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		3380	<100	<100	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		2050	<100	<100	<100	<100	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		547	7060	<100	<100	162	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	2960	<100	<100	<100	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	1620	<100	<100	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		5980	10000	<100	<100	162	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		24100	39600	3500	1530	407	919

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

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	IP3819	IP3819	IP3820	IP3820	IP3821	IP3821
			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	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-69	150227-69	150227-69	150227-69	150227-69	150227-69
			Lab Sample No.(s)	10917471	10917487	10917355	10917374	10917024	10917034
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		85 @	80 @	115 @	86 @	88 @	95 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		637 @ M	<176 @ M	902000 @ M	21600 @ #	<176 @ M	<176 @ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 @ M	<20 @ M	<100 @ M	<20 @ #	<20 @ M	<20 @ M
Benzene	<10 µg/kg	TM089		<40 @ M	55.9 @ M	2330 @ M	107 @ #	<40 @ M	<40 @ M
Toluene	<2 µg/kg	TM089		<8 @ M	<8 @ M	4900 @ M	282 @ #	<8 @ M	<8 @ M
Ethylbenzene	<3 µg/kg	TM089		<12 @ M	<12 @ M	3340 @ M	261 @ #	<12 @ M	<12 @ M
m,p-Xylene	<6 µg/kg	TM089		<24 @ M	<24 @ M	46900 @ M	1190 @ #	<24 @ M	<24 @ M
o-Xylene	<3 µg/kg	TM089		<12 @ M	<12 @ M	18800 @ M	172 @ #	<12 @ M	<12 @ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 @	<9 @	65700 @	1360 @	<9 @	<9 @
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 @	55.9 @	76300 @	2010 @	<24 @	<24 @
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 @	<40 @	17500 @	844 @	<40 @	<40 @
Aliphatics >C6-C8	<10 µg/kg	TM089		131 @	<40 @	280000 @	5640 @	<40 @	<40 @
Aliphatics >C8-C10	<10 µg/kg	TM089		164 @	<40 @	209000 @	4620 @	<40 @	<40 @
Aliphatics >C10-C12	<10 µg/kg	TM089		119 @	<40 @	108000 @	3220 @	<40 @	<40 @
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		702	<100	<100	<100	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		702	<100	<100	<100	<100	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 @	55.9 @	2330 @	107 @	<40 @	<40 @
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 @	<40 @	4900 @	282 @	<40 @	<40 @
Aromatics >EC8-EC10	<10 µg/kg	TM089		109 @	<40 @	208000 @	4710 @	<40 @	<40 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		80 @	<40 @	72100 @	2150 @	<40 @	<40 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	4940	1320	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		167	<100	2330	941	175	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		1800	485	1160	<100	1550	3600
Aromatics >EC35-EC44	<100 µg/kg	TM173		550	<100	767	<100	511	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	<100	256	<100	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		2520	485	9200	2260	2230	3600
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		3860	540	911000	23800	2230	3600

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

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	IP3821	IP3822	IP3822	IP3822	IP3823	IP3823
			Depth (m)	2.50	0.50	1.50	2.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-69	150227-69	150227-69	150227-69	150227-69	150227-69
			Lab Sample No.(s)	10917041	10917193	10917202	10917215	10917403	10917420
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		87 @	105 @	76 @	82 @	76 @	68 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 @ M	<176 @ M	12400 @ M	<176 @ M	18100 @ M	1300 @ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 @ M	<20 @ M	<20 @ M	<20 @ M	407 @ M	<100 @ M
Benzene	<10 µg/kg	TM089		<40 @ M	<40 @ M	<40 @ M	<40 @ M	288 @ M	276 @ M
Toluene	<2 µg/kg	TM089		<8 @ M	<8 @ M	<8 @ M	<8 @ M	<40 @ M	<40 @ M
Ethylbenzene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<12 @ M	156 @ M	167 @ M
m,p-Xylene	<6 µg/kg	TM089		<24 @ M	<24 @ M	<24 @ M	<24 @ M	419 @ M	<120 @ M
o-Xylene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<12 @ M	72.6 @ M	748 @ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 @	<9 @	<9 @	<9 @	492 @	748 @
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 @	<24 @	<24 @	<24 @	936 @	1190 @
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	475 @	<200 @
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 @	<40 @	192 @	<40 @	4750 @	<200 @
Aliphatics >C8-C10	<10 µg/kg	TM089		<40 @	<40 @	2260 @	<40 @	3250 @	<200 @
Aliphatics >C10-C12	<10 µg/kg	TM089		<40 @	<40 @	5070 @	<40 @	3640 @	<200 @
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	15600	<100	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	6450	<100	3690	<100	<100
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	1350	<100	339	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		<100	23400	<100	4030	<100	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	288 @	276 @
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<200 @	<200 @
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40 @	<40 @	1510 @	<40 @	2810 @	1030 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40 @	<40 @	3380 @	<40 @	2430 @	<200 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	1340	<100	<100	1490	266
Aromatics >EC16-EC21	<100 µg/kg	TM173		538	480	<100	<100	1260	692
Aromatics >EC21-EC35	<100 µg/kg	TM173		4510	7550	1700	995	<100	1400
Aromatics >EC35-EC44	<100 µg/kg	TM173		891	4460	<100	150	<100	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	1580	<100	<100	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		5940	13800	1700	1150	2750	2360
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		5940	37200	14100	5170	20400	3660

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

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	IP3824	IP3825	IP3825	IP3826	IP3826	IP3826
			Depth (m)	0.50	0.50	1.50	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-69	150227-69	150227-69	150227-69	150227-69	150227-69
			Lab Sample No.(s)	10917393	10917500	10917515	10917112	10917119	10917127
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		72 @	92 @	35 @	94 @	87 @	83 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		9660 @ M	<176 @ M	<176 @ M	95300 @ M	47000 @ M	816 @ 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		131 @ M	<40 @ M	<40 @ M	309 @ M	83.3 @ 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		39.6 @ M	<12 @ M	<12 @ M	<12 @ M	364 @ M	<12 @ M
m,p-Xylene	<6 µg/kg	TM089		183 @ M	<24 @ M	<24 @ M	<24 @ M	336 @ M	<24 @ M
o-Xylene	<3 µg/kg	TM089		19.2 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		202 @	<9 @	<9 @	<9 @	336 @	<9 @
sum of detected BTEX by GC	<24 µg/kg	TM089		373 @	<24 @	<24 @	309 @	783 @	<24 @
Aliphatics >C5-C6	<10 µg/kg	TM089		324 @	<40 @	47.5 @	23300 @	21200 @	78.7 @
Aliphatics >C6-C8	<10 µg/kg	TM089		1730 @	<40 @	50.9 @	61400 @	21200 @	490 @
Aliphatics >C8-C10	<10 µg/kg	TM089		2260 @	<40 @	<40 @	5730 @	2010 @	121 @
Aliphatics >C10-C12	<10 µg/kg	TM089		2090 @	<40 @	<40 @	419 @	259 @	<40 @
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		11700	<100	2700	<100	<100	4370
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	<100	<100	2020	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		11700	<100	2700	<100	2020	4370
Aromatics >EC5-EC7	<10 µg/kg	TM089		131 @	<40 @	<40 @	309 @	83.3 @	<40 @
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC8-EC10	<10 µg/kg	TM089		1750 @	<40 @	<40 @	3820 @	2040 @	80.9 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		1390 @	<40 @	<40 @	280 @	172 @	<40 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		649	<100	<100	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		469	658	351	<100	<100	481
Aromatics >EC21-EC35	<100 µg/kg	TM173		2930	2770	1000	<100	<100	4530
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	2210	<100	<100	<100	904
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	939	<100	<100	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		4050	5630	1350	<100	<100	5920
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		25400	5630	4160	95300	49000	11100

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

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	IP3828	IP3828	IP3829	IP3830	IP3830	IP3831
			Depth (m)	0.50	1.50	0.50	0.50	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-69	150227-69	150227-69	150227-69	150227-69	150227-69
			Lab Sample No.(s)	10917236	10917243	10917228	10917438	10917458	10917171
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		85 @	80 @	88 @	90 @	81 @	90 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 @ M	<176 @ M	<176 @ #	1150 @ M	349 @ M	<176 @ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 @ M	<20 @ M	<20 @ #	<20 @ M	<20 @ M	<20 @ M
Benzene	<10 µg/kg	TM089		<40 @ M	<40 @ M	<40 @ #	<40 @ M	<40 @ M	<40 @ M
Toluene	<2 µg/kg	TM089		<8 @ M	<8 @ M	<8 @ #	13.2 @ M	<8 @ M	<8 @ M
Ethylbenzene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ #	<12 @ M	<12 @ M	<12 @ M
m,p-Xylene	<6 µg/kg	TM089		<24 @ M	<24 @ M	54.8 @ #	<24 @ M	<24 @ M	<24 @ M
o-Xylene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ #	<12 @ M	<12 @ M	<12 @ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 @	<9 @	54.8 @	<9 @	<9 @	<9 @
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 @	<24 @	54.8 @	<24 @	<24 @	<24 @
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 @	<40 @	<40 @	47.3 @	47 @	<40 @
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	317 @	139 @	<40 @
Aliphatics >C8-C10	<10 µg/kg	TM089		<40 @	<40 @	<40 @	241 @	57.1 @	<40 @
Aliphatics >C10-C12	<10 µg/kg	TM089		<40 @	<40 @	<40 @	215 @	<40 @	<40 @
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	1240	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	2550	<100	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		<100	<100	3780	<100	<100	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40 @	<40 @	69 @	161 @	56 @	<40 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40 @	<40 @	<40 @	143 @	<40 @	<40 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	<100	1370	<100	<100	466
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		<100	<100	1370	<100	<100	466
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		<100	<100	5230	1150	256	466

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

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	IP3831	IP3832	IP3832	IP3832	IP3826A	IP3826A
			Depth (m)	1.50	0.50	1.50	2.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-69	150227-69	150227-69	150227-69	150227-69	150227-69
			Lab Sample No.(s)	10917187	10917137	10917149	10917160	10917251	10917266
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		116 2	87 @	87 @	91 @	76 @	92 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 2 M	139000 @ M	41100 @ M	69000 @ M	3980 @ M	3620 @ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 2 M	105 @ M	65.5 @ M	<20 @ M	<20 @ M	<20 @ M
Benzene	<10 µg/kg	TM089		<40 2 M	110 @ M	<40 @ M	54.5 @ M	<40 @ M	<40 @ M
Toluene	<2 µg/kg	TM089		<8 2 M	<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M
Ethylbenzene	<3 µg/kg	TM089		<12 2 M	<12 @ M	51.1 @ M	<12 @ M	<12 @ M	<12 @ M
m,p-Xylene	<6 µg/kg	TM089		<24 2 M	<24 @ M	71 @ 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	<9 @	71 @	<9 @	<9 @	<9 @
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 2	110 @	122 @	54.5 @	<24 @	<24 @
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 2	104 @	219 @	193 @	131 @	121 @
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 2	3510 @	877 @	1220 @	2000 @	2100 @
Aliphatics >C8-C10	<10 µg/kg	TM089		<40 2	31300 @	5870 @	11000 @	927 @	648 @
Aliphatics >C10-C12	<10 µg/kg	TM089		<40 2	50000 @	18000 @	29500 @	174 @	183 @
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	520000	39100	99800	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	6850	2510	2810	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	3180	<100	<100	<100	<100
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		<100	530000	41600	103000	<100	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 2	110 @	<40 @	54.5 @	<40 @	<40 @
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 2	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40 2	20900 @	4030 @	7330 @	618 @	433 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40 2	33300 @	12000 @	19700 @	116 @	122 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	72100	1930	2600	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	2660	<100	<100	<100	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	983	5830	<100	234	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173		2380	<100	1230	<100	2470	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		1440	<100	<100	<100	1550	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		2380	75800	9000	2600	2700	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		2380	745000	91600	174000	6680	3620

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

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	TPE0301	TPE0301	TPE1663	TPE1664	TPE1665	TPE1665
			Depth (m)	1.00	2.00	0.50	0.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015	24/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015	27/02/2015
			SDG Ref	150227-69	150227-69	150227-69	150227-69	150227-69	150227-69
			Lab Sample No.(s)	10916798	10916803	10917074	10917088	10917096	10917102
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		71 @	110 @	72 @	83 @	83 @	96 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		31700 @ M	73500 @ M	<176 @ M	<176 @ M	<880 @ M	310000 @ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 @ M	<20 @ M	<20 @ M	<20 @ M	<100 @ M	<20 @ M
Benzene	<10 µg/kg	TM089		<40 @ M	88.8 @ M	<40 @ M	<40 @ M	<200 @ M	<40 @ M
Toluene	<2 µg/kg	TM089		<8 @ M	<8 @ M	<8 @ M	<8 @ M	<40 @ M	<8 @ M
Ethylbenzene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<60 @ M	<12 @ M
m,p-Xylene	<6 µg/kg	TM089		<24 @ M	<24 @ M	<24 @ M	<24 @ M	<120 @ M	<24 @ M
o-Xylene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<60 @ 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 @	88.8 @	<24 @	<24 @	<24 @	<24 @
Aliphatics >C5-C6	<10 µg/kg	TM089		177 @	4620 @	<40 @	<40 @	<200 @	179 @
Aliphatics >C6-C8	<10 µg/kg	TM089		2060 @	22900 @	<40 @	<40 @	<200 @	30000 @
Aliphatics >C8-C10	<10 µg/kg	TM089		5020 @	9220 @	<40 @	<40 @	<200 @	98800 @
Aliphatics >C10-C12	<10 µg/kg	TM089		12600 @	18300 @	<40 @	<40 @	<200 @	69200 @
Aliphatics >C12-C16	<100 µg/kg	TM173		18100	13300	<100	938	4830	28300
Aliphatics >C16-C21	<100 µg/kg	TM173		25000	<100	3900	13400	39900	20700
Aliphatics >C21-C35	<100 µg/kg	TM173		41500	<100	28200	33400	181000	51000
Aliphatics >C35-C44	<100 µg/kg	TM173		10600	<100	10700	8520	188000	22100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		95300	13300	42800	56300	414000	122000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 @	88.8 @	<40 @	<40 @	<200 @	<40 @
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<200 @	<40 @
Aromatics >EC8-EC10	<10 µg/kg	TM089		3350 @	6140 @	<40 @	<40 @	<200 @	65900 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		8430 @	12200 @	<40 @	<40 @	<200 @	46100 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		3980	3390	479	631	636	3460
Aromatics >EC16-EC21	<100 µg/kg	TM173		16400	1080	3730	5400	8780	8570
Aromatics >EC21-EC35	<100 µg/kg	TM173		71600	2390	49900	38100	80700	25900
Aromatics >EC35-EC44	<100 µg/kg	TM173		31400	1660	32300	21200	94000	15000
Aromatics >EC40-EC44	<100 µg/kg	TM173		11700	625	13800	8790	50700	6940
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		123000	8520	86400	65300	184000	53000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		250000	95300	129000	122000	598000	485000

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

Asbestos Quantification - Full

		Additional Asbestos Components (Using TM048)	Analysts Comments	Asbestos Quantification - Detailed Gravimetric - %	Asbestos Quantification - Gravimetric - %	Asbestos Quantification - Total - %
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP0654 0.80 SOLID 24/02/2015 00:00:00 28/04/2015 09:54:49 150227-69 10917290 TM 304	Crocidolite (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	IP0706 0.50 SOLID 24/02/2015 00:00:00 28/04/2015 09:32:11 150227-69 10916760 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	IP0707 1.00 SOLID 24/02/2015 00:00:00 28/04/2015 09:39:27 150227-69 10916775 TM 304	Amosite (#)	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	IP1094 0.50 SOLID 24/02/2015 00:00:00 28/04/2015 09:42:26 150227-69 10916893 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

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:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

Test Completion Dates

Lab Sample No(s)	10916954	10916960	10916966	10916807	10916815	10916823	10916831	10916838	10916842	10916847
Customer Sample Ref.	IP0390	IP0390	IP0390	IP0568	IP0568	IP0590	IP0590	IP0610	IP0610	IP0641
AGS Ref.										
Depth	0.50	1.50	2.60	0.50	1.50	0.50	1.50	0.50	1.50	0.80
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos fibres in Soil*	18-Mar-2015			18-Mar-2015	18-Mar-2015	18-Mar-2015		18-Mar-2015		18-Mar-2015
EPH CWG (Aliphatic) GC (S)	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	18-Mar-2015	19-Mar-2015	19-Mar-2015	18-Mar-2015	18-Mar-2015
EPH CWG (Aromatic) GC (S)	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	18-Mar-2015	19-Mar-2015	19-Mar-2015	18-Mar-2015	18-Mar-2015
GRO by GC-FID (S)	19-Mar-2015	19-Mar-2015	20-Mar-2015	18-Mar-2015	19-Mar-2015	18-Mar-2015	19-Mar-2015	18-Mar-2015	19-Mar-2015	18-Mar-2015
Metals in solid samples by OES	17-Mar-2015	17-Mar-2015	12-Mar-2015	17-Mar-2015	18-Mar-2015	17-Mar-2015	17-Mar-2015	17-Mar-2015	12-Mar-2015	17-Mar-2015
PAH by GCMS	19-Mar-2015	16-Mar-2015	15-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	13-Mar-2015	16-Mar-2015	17-Mar-2015	18-Mar-2015
pH	19-Mar-2015	17-Mar-2015	18-Mar-2015	18-Mar-2015	18-Mar-2015	17-Mar-2015	18-Mar-2015	18-Mar-2015	18-Mar-2015	18-Mar-2015
Sample description	10-Mar-2015	09-Mar-2015	06-Mar-2015	09-Mar-2015	09-Mar-2015	09-Mar-2015	07-Mar-2015	09-Mar-2015	09-Mar-2015	07-Mar-2015
Total Organic Carbon	18-Mar-2015							18-Mar-2015		
TPH CWG GC (S)	19-Mar-2015	19-Mar-2015	20-Mar-2015	19-Mar-2015	19-Mar-2015	18-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	18-Mar-2015

Lab Sample No(s)	10916851	10917081	10917180	10916794	10916767	10916771	10917290	10917450	10916760	10916811
Customer Sample Ref.	IP0641	IP0642	IP0642	IP0643	IP0654	IP0654	IP0654	IP0654	IP0706	IP0706
AGS Ref.										
Depth	1.50	0.50	1.50	0.50	3.50	4.50	0.80	2.50	0.50	1.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos fibres in Soil*		18-Mar-2015		18-Mar-2015			18-Mar-2015		19-Mar-2015	
Asbestos Quant. Detail Gravimetric							29-Apr-2015		29-Apr-2015	
EPH CWG (Aliphatic) GC (S)	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	18-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015
EPH CWG (Aromatic) GC (S)	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	18-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015
GRO by GC-FID (S)	19-Mar-2015	19-Mar-2015	19-Mar-2015	18-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	20-Mar-2015	19-Mar-2015	19-Mar-2015
Metals in solid samples by OES	17-Mar-2015	17-Mar-2015	17-Mar-2015	17-Mar-2015	17-Mar-2015	17-Mar-2015	17-Mar-2015	17-Mar-2015	17-Mar-2015	17-Mar-2015
PAH by GCMS	15-Mar-2015	16-Mar-2015	16-Mar-2015	19-Mar-2015	13-Mar-2015	13-Mar-2015	14-Mar-2015	13-Mar-2015	16-Mar-2015	19-Mar-2015
pH	18-Mar-2015	18-Mar-2015	18-Mar-2015	14-Mar-2015	18-Mar-2015	18-Mar-2015	18-Mar-2015	18-Mar-2015	17-Mar-2015	18-Mar-2015
Sample description	05-Mar-2015	07-Mar-2015	05-Mar-2015	09-Mar-2015	05-Mar-2015	05-Mar-2015	09-Mar-2015	05-Mar-2015	10-Mar-2015	06-Mar-2015
Total Organic Carbon		18-Mar-2015		18-Mar-2015			18-Mar-2015		18-Mar-2015	
TPH CWG GC (S)	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	20-Mar-2015	19-Mar-2015	19-Mar-2015

Lab Sample No(s)	10916871	10916922	10916987	10916775	10916779	10916785	10916789	10916857	10916861	10916865
Customer Sample Ref.	IP0706	IP0706	IP0706	IP0707	IP0707	IP0707	IP0707	IP0792	IP0792	IP0792
AGS Ref.										
Depth	2.20	3.20	4.20	1.00	2.00	3.00	4.00	0.50	1.50	2.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos fibres in Soil*				18-Mar-2015				18-Mar-2015		
Asbestos Quant. Detail Gravimetric				29-Apr-2015						
EPH CWG (Aliphatic) GC (S)	18-Mar-2015	18-Mar-2015	18-Mar-2015	19-Mar-2015	18-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015
EPH CWG (Aromatic) GC (S)	18-Mar-2015	18-Mar-2015	18-Mar-2015	19-Mar-2015	18-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015
GRO by GC-FID (S)	19-Mar-2015	19-Mar-2015	20-Mar-2015	20-Mar-2015	20-Mar-2015	20-Mar-2015	19-Mar-2015	19-Mar-2015	18-Mar-2015	19-Mar-2015
Metals in solid samples by OES	17-Mar-2015	17-Mar-2015	17-Mar-2015	18-Mar-2015	17-Mar-2015	17-Mar-2015	16-Mar-2015	17-Mar-2015	17-Mar-2015	12-Mar-2015
PAH by GCMS	17-Mar-2015	17-Mar-2015	17-Mar-2015	18-Mar-2015	17-Mar-2015	13-Mar-2015	16-Mar-2015	13-Mar-2015	16-Mar-2015	10-Mar-2015
pH	18-Mar-2015	18-Mar-2015	18-Mar-2015	18-Mar-2015	18-Mar-2015	18-Mar-2015	18-Mar-2015	19-Mar-2015	18-Mar-2015	18-Mar-2015
Sample description	09-Mar-2015	09-Mar-2015	09-Mar-2015	10-Mar-2015	09-Mar-2015	05-Mar-2015	05-Mar-2015	10-Mar-2015	06-Mar-2015	06-Mar-2015
Total Organic Carbon				18-Mar-2015				18-Mar-2015		
TPH CWG GC (S)	19-Mar-2015	19-Mar-2015	20-Mar-2015	20-Mar-2015	20-Mar-2015	20-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015

Lab Sample No(s)	10916875	10917017	10916972	10916979	10916996	10917006	10916937	10916941	10916945	10916949
Customer Sample Ref.	IP0792	IP0794	IP0872	IP0872	IP0872	IP0872	IP0873	IP0873	IP0873	IP0873
AGS Ref.										
Depth	3.60	0.50	0.50	1.50	2.50	3.50	0.50	1.50	2.50	3.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos fibres in Soil*		18-Mar-2015	18-Mar-2015				18-Mar-2015			
EPH CWG (Aliphatic) GC (S)	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	18-Mar-2015	18-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015
EPH CWG (Aromatic) GC (S)	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	18-Mar-2015	18-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015
GRO by GC-FID (S)	18-Mar-2015	18-Mar-2015	18-Mar-2015	18-Mar-2015	18-Mar-2015	18-Mar-2015	19-Mar-2015	18-Mar-2015	20-Mar-2015	19-Mar-2015
Metals in solid samples by OES	17-Mar-2015	17-Mar-2015	17-Mar-2015	13-Mar-2015	12-Mar-2015	12-Mar-2015	17-Mar-2015	17-Mar-2015	17-Mar-2015	17-Mar-2015
PAH by GCMS	15-Mar-2015	13-Mar-2015	16-Mar-2015	15-Mar-2015	16-Mar-2015	17-Mar-2015	16-Mar-2015	16-Mar-2015	16-Mar-2015	16-Mar-2015
pH	18-Mar-2015	19-Mar-2015	18-Mar-2015	18-Mar-2015	18-Mar-2015	18-Mar-2015	19-Mar-2015	17-Mar-2015	17-Mar-2015	17-Mar-2015
Sample description	06-Mar-2015	10-Mar-2015	09-Mar-2015	06-Mar-2015	09-Mar-2015	09-Mar-2015	10-Mar-2015	09-Mar-2015	09-Mar-2015	09-Mar-2015
Total Organic Carbon		18-Mar-2015	18-Mar-2015				18-Mar-2015			
TPH CWG GC (S)	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	18-Mar-2015	18-Mar-2015	19-Mar-2015	19-Mar-2015	20-Mar-2015	19-Mar-2015

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

Lab Sample No(s)	10916907	10916911	10916916	10916931	10916880	10916885	10916889	10916893	10916897	10916903
Customer Sample Ref.	IP0969	IP0969	IP0969	IP0969	IP0970	IP0970	IP0970	IP1094	IP1094	IP1094
AGS Ref.										
Depth	0.50	1.50	2.50	3.50	0.50	1.50	2.60	0.50	1.50	2.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos fibres in Soil*	18-Mar-2015				18-Mar-2015			18-Mar-2015		
Asbestos Quant. Detail Gravimetric								29-Apr-2015		
EPH CWG (Aliphatic) GC (S)	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015
EPH CWG (Aromatic) GC (S)	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015
GRO by GC-FID (S)	19-Mar-2015	18-Mar-2015	19-Mar-2015	18-Mar-2015	18-Mar-2015	18-Mar-2015	18-Mar-2015	20-Mar-2015	18-Mar-2015	19-Mar-2015
Metals in solid samples by OES	17-Mar-2015	17-Mar-2015	17-Mar-2015	17-Mar-2015	17-Mar-2015	17-Mar-2015	17-Mar-2015	17-Mar-2015	17-Mar-2015	17-Mar-2015
PAH by GCMS	16-Mar-2015	16-Mar-2015	16-Mar-2015	16-Mar-2015	19-Mar-2015	18-Mar-2015	18-Mar-2015	19-Mar-2015	18-Mar-2015	18-Mar-2015
pH	18-Mar-2015	17-Mar-2015	17-Mar-2015	17-Mar-2015	18-Mar-2015	18-Mar-2015	18-Mar-2015	19-Mar-2015	18-Mar-2015	18-Mar-2015
Sample description	10-Mar-2015	09-Mar-2015	09-Mar-2015	09-Mar-2015	10-Mar-2015	07-Mar-2015	07-Mar-2015	10-Mar-2015	07-Mar-2015	07-Mar-2015
Total Organic Carbon	18-Mar-2015				18-Mar-2015					
TPH CWG GC (S)	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	20-Mar-2015	19-Mar-2015	19-Mar-2015

Lab Sample No(s)	10917049	10917057	10917065	10917525	10917539	10917313	10917327	10917338	10917281	10917302
Customer Sample Ref.	IP3812	IP3812	IP3812	IP3813	IP3813	IP3814	IP3814	IP3814	IP3818	IP3818
AGS Ref.										
Depth	0.50	1.50	2.50	0.50	1.50	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*	18-Mar-2015			18-Mar-2015		18-Mar-2015			18-Mar-2015	
EPH CWG (Aliphatic) GC (S)	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015
EPH CWG (Aromatic) GC (S)	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015
GRO by GC-FID (S)	19-Mar-2015	18-Mar-2015	18-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015
Metals in solid samples by OES	17-Mar-2015	17-Mar-2015	17-Mar-2015	17-Mar-2015	17-Mar-2015	17-Mar-2015	17-Mar-2015	17-Mar-2015	17-Mar-2015	17-Mar-2015
PAH by GCMS	16-Mar-2015	16-Mar-2015	13-Mar-2015	16-Mar-2015	13-Mar-2015	19-Mar-2015	18-Mar-2015	18-Mar-2015	19-Mar-2015	18-Mar-2015
pH	18-Mar-2015	18-Mar-2015	18-Mar-2015	19-Mar-2015	17-Mar-2015	19-Mar-2015	17-Mar-2015	17-Mar-2015	19-Mar-2015	17-Mar-2015
Sample description	07-Mar-2015	06-Mar-2015	06-Mar-2015	07-Mar-2015	09-Mar-2015	10-Mar-2015	09-Mar-2015	09-Mar-2015	09-Mar-2015	09-Mar-2015
Total Organic Carbon	18-Mar-2015			18-Mar-2015					18-Mar-2015	
TPH CWG GC (S)	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015

Lab Sample No(s)	10917471	10917487	10917355	10917374	10917024	10917034	10917041	10917193	10917202	10917215
Customer Sample Ref.	IP3819	IP3819	IP3820	IP3820	IP3821	IP3821	IP3821	IP3822	IP3822	IP3822
AGS Ref.										
Depth	0.50	1.50	0.50	1.50	0.50	1.50	2.50	0.50	1.50	2.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos fibres in Soil*	18-Mar-2015		18-Mar-2015		18-Mar-2015			18-Mar-2015		
EPH CWG (Aliphatic) GC (S)	19-Mar-2015	19-Mar-2015	18-Mar-2015	19-Mar-2015	18-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015
EPH CWG (Aromatic) GC (S)	19-Mar-2015	19-Mar-2015	18-Mar-2015	19-Mar-2015	18-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015
GRO by GC-FID (S)	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	18-Mar-2015	18-Mar-2015	18-Mar-2015	19-Mar-2015	18-Mar-2015
Metals in solid samples by OES	18-Mar-2015	17-Mar-2015	17-Mar-2015	17-Mar-2015	17-Mar-2015	17-Mar-2015	17-Mar-2015	17-Mar-2015	17-Mar-2015	17-Mar-2015
PAH by GCMS	19-Mar-2015	14-Mar-2015	16-Mar-2015	16-Mar-2015	16-Mar-2015	13-Mar-2015	16-Mar-2015	19-Mar-2015	16-Mar-2015	16-Mar-2015
pH	19-Mar-2015	17-Mar-2015	19-Mar-2015	17-Mar-2015	19-Mar-2015	18-Mar-2015	18-Mar-2015	19-Mar-2015	18-Mar-2015	18-Mar-2015
Sample description	10-Mar-2015	09-Mar-2015	07-Mar-2015	05-Mar-2015	07-Mar-2015	06-Mar-2015	06-Mar-2015	10-Mar-2015	06-Mar-2015	06-Mar-2015
Total Organic Carbon	18-Mar-2015		18-Mar-2015					18-Mar-2015		
TPH CWG GC (S)	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015

Lab Sample No(s)	10917403	10917420	10917393	10917500	10917515	10917112	10917119	10917127	10917236	10917243
Customer Sample Ref.	IP3823	IP3823	IP3824	IP3825	IP3825	IP3826	IP3826	IP3826	IP3828	IP3828
AGS Ref.										
Depth	0.50	1.50	0.50	0.50	1.50	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*	18-Mar-2015			18-Mar-2015		18-Mar-2015			18-Mar-2015	
EPH CWG (Aliphatic) GC (S)	19-Mar-2015	19-Mar-2015	19-Mar-2015	18-Mar-2015	19-Mar-2015	18-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015
EPH CWG (Aromatic) GC (S)	19-Mar-2015	19-Mar-2015	19-Mar-2015	18-Mar-2015	19-Mar-2015	18-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015
GRO by GC-FID (S)	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015
Metals in solid samples by OES	17-Mar-2015	17-Mar-2015	17-Mar-2015	17-Mar-2015	17-Mar-2015	17-Mar-2015	17-Mar-2015	17-Mar-2015	17-Mar-2015	13-Mar-2015
PAH by GCMS	19-Mar-2015	16-Mar-2015	16-Mar-2015	14-Mar-2015	13-Mar-2015	16-Mar-2015	14-Mar-2015	14-Mar-2015	17-Mar-2015	18-Mar-2015
pH	19-Mar-2015	18-Mar-2015	18-Mar-2015	17-Mar-2015	17-Mar-2015	18-Mar-2015	17-Mar-2015	17-Mar-2015	19-Mar-2015	17-Mar-2015
Sample description	05-Mar-2015	05-Mar-2015	05-Mar-2015	09-Mar-2015	09-Mar-2015	09-Mar-2015	09-Mar-2015	09-Mar-2015	10-Mar-2015	09-Mar-2015
Total Organic Carbon	18-Mar-2015								18-Mar-2015	
TPH CWG GC (S)	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015

CERTIFICATE OF ANALYSIS

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

Lab Sample No(s)	10917228	10917438	10917458	10917171	10917187	10917137	10917149	10917160	10917251	10917266
Customer Sample Ref.	IP3829	IP3830	IP3830	IP3831	IP3831	IP3832	IP3832	IP3832	IP3826A	IP3826A
AGS Ref.										
Depth	0.50	0.50	1.50	0.50	1.50	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*	18-Mar-2015	18-Mar-2015		18-Mar-2015		18-Mar-2015			18-Mar-2015	
EPH CWG (Aliphatic) GC (S)	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	18-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015
EPH CWG (Aromatic) GC (S)	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	18-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015
GRO by GC-FID (S)	19-Mar-2015	19-Mar-2015	19-Mar-2015	18-Mar-2015	18-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015
Metals in solid samples by OES	17-Mar-2015	18-Mar-2015	17-Mar-2015	17-Mar-2015	17-Mar-2015	17-Mar-2015	17-Mar-2015	17-Mar-2015	17-Mar-2015	12-Mar-2015
PAH by GCMS	17-Mar-2015	19-Mar-2015	16-Mar-2015	16-Mar-2015	16-Mar-2015	16-Mar-2015	16-Mar-2015	16-Mar-2015	19-Mar-2015	18-Mar-2015
pH	19-Mar-2015	19-Mar-2015	18-Mar-2015	18-Mar-2015	17-Mar-2015	18-Mar-2015	17-Mar-2015	18-Mar-2015	19-Mar-2015	17-Mar-2015
Sample description	10-Mar-2015	05-Mar-2015	05-Mar-2015	10-Mar-2015	09-Mar-2015	10-Mar-2015	06-Mar-2015	06-Mar-2015	10-Mar-2015	09-Mar-2015
Total Organic Carbon						18-Mar-2015				
TPH CWG GC (S)	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015

Lab Sample No(s)	10916798	10916803	10917074	10917088	10917096	10917102
Customer Sample Ref.	TPE0301	TPE0301	TPE1663	TPE1664	TPE1665	TPE1665
AGS Ref.						
Depth	1.00	2.00	0.50	0.50	0.50	1.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos fibres in Soil*	18-Mar-2015		18-Mar-2015	18-Mar-2015	18-Mar-2015	
EPH CWG (Aliphatic) GC (S)	18-Mar-2015	18-Mar-2015	18-Mar-2015	19-Mar-2015	18-Mar-2015	19-Mar-2015
EPH CWG (Aromatic) GC (S)	18-Mar-2015	18-Mar-2015	18-Mar-2015	19-Mar-2015	18-Mar-2015	19-Mar-2015
GRO by GC-FID (S)	19-Mar-2015	18-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015
Metals in solid samples by OES	17-Mar-2015	17-Mar-2015	17-Mar-2015	17-Mar-2015	18-Mar-2015	17-Mar-2015
PAH by GCMS	19-Mar-2015	17-Mar-2015	16-Mar-2015	16-Mar-2015	16-Mar-2015	18-Mar-2015
pH	18-Mar-2015	18-Mar-2015	18-Mar-2015	19-Mar-2015	18-Mar-2015	18-Mar-2015
Sample description	09-Mar-2015	09-Mar-2015	07-Mar-2015	07-Mar-2015	07-Mar-2015	09-Mar-2015
Total Organic Carbon	18-Mar-2015				18-Mar-2015	
TPH CWG GC (S)	19-Mar-2015	18-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015	19-Mar-2015

Derwentside Environmental Testing Services

Certificate of Analysis

Certificate Number 15-28850

16-Mar-15

Client	Alcontrol Laboratories Units 7 & 8 Hawarden Business Park Manor Road Hawarden Deeside CH5 3US
Our Reference	15-28850
Client Reference	150227-69
Contract Title	150227-69
Description	39 Soil samples.
Date Received	04-Mar-15
Date Started	04-Mar-15
Date Completed	16-Mar-15
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 15-28850
Client Ref 150227-69
Contract Title 150227-69

Lab No	Sample ID	Material Type	Result	Comment*	Analyst
777493	10933077 IP0390 0.50	SOIL	NAD	none	J Woodmansey
777494	10933106 IP0568 0.50	SOIL	NAD	none	J Woodmansey
777495	10933105 IP0568 1.50	SOIL	NAD	none	J Woodmansey
777496	10933099 IP0590 0.50	SOIL	NAD	none	J Woodmansey
777497	10933135 IP0610 0.50	SOIL	NAD	none	J Woodmansey
777498	10933112 IP0641 0.80	SOIL	NAD	none	J Woodmansey
777499	10933114 IP0642 0.50	SOIL	NAD	none	J Woodmansey
777500	10933103 IP0643 0.50	SOIL	NAD	none	J Woodmansey
777501	10933058 IP0654 0.80	SOIL	Chrysotile	clumps & bundles of chrysotile	J Woodmansey
777502	10933094 IP0706 0.50	SOIL	Amosite	bundles of amosite	J Woodmansey
777503	10933096 IP0707 1.00	SOIL	Chrysotile	bundles of chrysotile	J Woodmansey
777504	10933062 IP0792 0.50	SOIL	NAD	none	J Woodmansey
777505	10933060 IP0794 0.50	SOIL	NAD	none	J Woodmansey
777506	10933132 IP0872 0.50	SOIL	NAD	none	J Woodmansey
777507	10933124 IP0873 0.50	SOIL	NAD	none	J Woodmansey
777508	10933078 IP0969 0.50	SOIL	NAD	none	J Woodmansey
777509	10933137 IP0970 0.50	SOIL	NAD	none	J Woodmansey
777510	10933144 IP1094 0.50	SOIL	Amosite Chrysotile	amosite present in insulation debris & clumps of chrysotile	J Woodmansey
777511	10933056 IP3812 0.50	SOIL	NAD	none	J Woodmansey
777512	10933561 IP3813 0.50	SOIL	NAD	none	J Woodmansey
777513	10933503 IP3814 0.50	SOIL	NAD	none	J Woodmansey
777514	10933514 IP3818 0.50	SOIL	NAD	none	J Woodmansey
777515	10933483 IP3819 0.50	SOIL	NAD	none	J Woodmansey
777516	10933570 IP3820 0.50	SOIL	NAD	none	J Woodmansey
777517	10933055 IP3821 0.50	SOIL	NAD	none	J Woodmansey
777518	10933521 IP3822 0.50	SOIL	NAD	none	J Woodmansey
777519	10933478 IP3823 0.50	SOIL	NAD	none	J Woodmansey
777520	10933122 IP3825 0.50	SOIL	NAD	none	J Woodmansey
777521	10933118 IP3826 0.50	SOIL	NAD	none	J Woodmansey
777522	10933500 IP3826A 0.50	SOIL	NAD	none	J Woodmansey
777523	10933589 IP3828 0.50	SOIL	NAD	none	J Woodmansey
777524	10933577 IP3829 0.50	SOIL	NAD	none	J Woodmansey
777525	10933492 IP3830 0.50	SOIL	NAD	none	J Woodmansey
777526	10933076 IP3831 0.50	SOIL	NAD	none	Andrew Little
777527	10933071 IP3832 0.50	SOIL	NAD	none	Andrew Little
777528	10933101 TPE0301 1.00	SOIL	NAD	none	Andrew Little
777529	10933086 TPE1663 0.50	SOIL	NAD	none	Andrew Little
777530	10933087 TPE1664 0.50	SOIL	NAD	none	Andrew Little
777531	10933089 TPE1665 0.50	SOIL	NAD	none	Andrew Little

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.

Information in Support of the Analytical Results

Our Ref 15-28850
Client Ref 150227-69
Contract 150227-69

Containers Received & Deviating Samples

Lab No	Sample ID	Date Sampled	Containers Received	Holding time exceeded for tests	Inappropriate container for tests
777493	10933077 0.50 SOIL	24/02/15	PT 500ml		
777494	10933106 0.50 SOIL	24/02/15	PT 500ml		
777495	10933105 1.50 SOIL	24/02/15	PT 500ml		
777496	10933099 0.50 SOIL	24/02/15	PT 500ml		
777497	10933135 0.50 SOIL	24/02/15	PT 500ml		
777498	10933112 0.80 SOIL	24/02/15	PT 500ml		
777499	10933114 0.50 SOIL	24/02/15	PT 500ml		
777500	10933103 0.50 SOIL	24/02/15	PT 500ml		
777501	10933058 0.80 SOIL	24/02/15	PT 500ml		
777502	10933094 0.50 SOIL	24/02/15	PT 500ml		
777503	10933096 1.00 SOIL	24/02/15	PT 500ml		
777504	10933062 0.50 SOIL	24/02/15	PT 500ml		
777505	10933060 0.50 SOIL	24/02/15	PT 500ml		
777506	10933132 0.50 SOIL	24/02/15	PT 500ml		
777507	10933124 0.50 SOIL	24/02/15	PT 500ml		
777508	10933078 0.50 SOIL	24/02/15	PT 500ml		
777509	10933137 0.50 SOIL	24/02/15	PT 500ml		
777510	10933144 0.50 SOIL	24/02/15	PT 500ml		
777511	10933056 0.50 SOIL	24/02/15	PT 500ml		
777512	10933561 0.50 SOIL	24/02/15	PT 500ml		
777513	10933503 0.50 SOIL	24/02/15	PT 500ml		
777514	10933514 0.50 SOIL	24/02/15	PT 500ml		
777515	10933483 0.50 SOIL	24/02/15	PT 500ml		
777516	10933570 0.50 SOIL	24/02/15	PT 500ml		
777517	10933055 0.50 SOIL	24/02/15	PT 500ml		
777518	10933521 0.50 SOIL	24/02/15	PT 500ml		
777519	10933478 0.50 SOIL	24/02/15	PT 500ml		
777520	10933122 0.50 SOIL	24/02/15	PT 500ml		
777521	10933118 0.50 SOIL	24/02/15	PT 500ml		
777522	10933500 0.50 SOIL	24/02/15	PT 500ml		
777523	10933589 0.50 SOIL	24/02/15	PT 500ml		
777524	10933577 0.50 SOIL	24/02/15	PT 500ml		
777525	10933492 0.50 SOIL	24/02/15	PT 500ml		
777526	10933076 0.50 SOIL	24/02/15	PT 500ml		
777527	10933071 0.50 SOIL	24/02/15	PT 500ml		
777528	10933101 1.00 SOIL	24/02/15	PT 500ml		
777529	10933086 0.50 SOIL	24/02/15	PT 500ml		
777530	10933087 0.50 SOIL	24/02/15	PT 500ml		
777531	10933089 0.50 SOIL	24/02/15	PT 500ml		

Key: P-Plastic T-Tub

DETS cannot be held responsible for the integrity of samples received whereby the laboratory did not undertake the sampling. In this instance samples received may be deviating. Deviating Sample criteria are based on British and International standards and laboratory trials in conjunction with the UKAS note 'Guidance on Deviating Samples'. All samples received are listed above. However, those samples that have additional comments in relation to hold time and/or inappropriate containers are deviating due to the reasons stated. This means that the analysis is accredited where applicable, but results may be compromised due to sample deviations. If no sampled date (soils) or date+time (waters) has been supplied then samples are deviating. However, if you are able to supply a sampled date (and time for waters) this will prevent samples being reported as deviating where specific hold times are not exceeded and where the container supplied is suitable.

Information in Support of the Analytical Results

Our Ref 15-28850
Client Ref 150227-69
Contract 150227-69

Disposal

From the issue date of this test certificate, samples will be held for the following times prior to disposal :-
Soils - 1 month, Liquids - 2 weeks, Asbestos (test portion) - 6 months

SDG:	150227-69	**Location:**	Coed Darcy	**Order Number:**	CD1115
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310958
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	306272

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** - Surrogates are added to your sample to monitor recovery of the test requested. A % recovery is reported, results are not corrected for the recovery measured. Typical recoveries for organics tests are 70-130%, they are generally wider for volatiles analysis, 50-150%. Recoveries in soils are affected by organic rich or clay rich matrices. Waters can be affected by remediation fluids or high amounts of sediment. Test results are only ever reported if all of the associated quality checks pass; it is assumed that all recoveries outside of the values above are due to matrix affect.

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

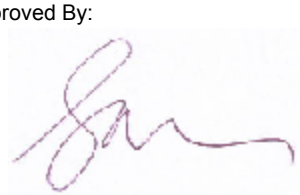
Date:	05 May 2015
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	150221-57
Your Reference:	Site Wide Trial Pitting
Location:	Coed Darcy
Report No:	311504

We received 115 samples on Saturday February 21, 2015 and 114 of these samples were scheduled for analysis which was completed on Tuesday May 05, 2015. 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:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
10880028	IP0673		1.00	17/02/2015
10880032	IP0673		2.00	17/02/2015
10879987	IP0813		1.00	17/02/2015
10879996	IP0813		2.00	17/02/2015
10880003	IP0813		3.00	17/02/2015
10879940	IP0814		1.00	17/02/2015
10879953	IP0814		2.00	17/02/2015
10879971	IP0814		3.00	17/02/2015
10879671	IP1405		0.50	17/02/2015
10879675	IP1405		1.50	17/02/2015
10879679	IP1405		2.50	17/02/2015
10879683	IP1405		4.50	17/02/2015
10879889	IP1567		0.50	17/02/2015
10879896	IP1567		2.00	17/02/2015
10879922	IP1567		3.50	17/02/2015
10879780	IP1569		0.50	17/02/2015
10879789	IP1569		2.00	17/02/2015
10879808	IP1569		3.50	17/02/2015
10879879	IP1573		0.50	17/02/2015
10879851	IP1576		0.50	17/02/2015
10879862	IP1576		2.00	17/02/2015
10879870	IP1576		3.50	17/02/2015
10880044	IP1962		0.50	17/02/2015
10880048	IP1962		1.50	17/02/2015
10880056	IP3430		1.00	17/02/2015
10880052	IP3431		0.50	17/02/2015
10880060	IP3432		0.50	17/02/2015
10880074	IP3436		0.50	17/02/2015
10880083	IP3471		0.50	17/02/2015
10880087	IP3471		1.50	17/02/2015
10880078	IP3474		0.50	17/02/2015
10880007	IP3476		1.00	17/02/2015
10880011	IP3476		2.00	17/02/2015
10880015	IP3476		3.00	17/02/2015
10880024	IP3476		4.00	17/02/2015
10879731	TPE0593		0.50	17/02/2015
10879742	TPE0593		1.50	17/02/2015
10879752	TPE0593		2.50	17/02/2015
10879760	TPE0593		3.50	17/02/2015
10879770	TPE0593		4.50	17/02/2015
10879689	TPE0639		0.50	17/02/2015
10879704	TPE0639		1.50	17/02/2015
10879714	TPE0639		2.80	17/02/2015
10879721	TPE0639		3.90	17/02/2015
10879822	TPE0739		0.50	17/02/2015
10879830	TPE0739		2.00	17/02/2015
10879841	TPE0739		3.50	17/02/2015
10880036	TPE0891		0.50	17/02/2015
10880040	TPE0891		1.50	17/02/2015
10880068	TPE0959		0.50	17/02/2015
10880091	TPE1300		0.50	17/02/2015
10880097	TPE1300		1.00	17/02/2015
10880102	TPE1300		2.00	17/02/2015
10880174	TPE2394		0.50	17/02/2015
10880178	TPE2394		1.50	17/02/2015
10880182	TPE2475		0.50	17/02/2015

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

10880186	TPE2475	1.50	17/02/2015
10880190	TPE2477	0.40	17/02/2015
10880195	TPE2477	1.20	17/02/2015
10880064	TPE2493	0.50	17/02/2015
10880117	TPE2493	1.50	17/02/2015
10880171	TPE2493	2.50	17/02/2015
10951139	TPE2493	2.50	17/02/2015
10879519	TPE2493	3.50	17/02/2015
10879515	TPE2493	4.50	17/02/2015
10879649	TPE2494	0.50	17/02/2015
10879696	TPE2494	1.50	17/02/2015
10879799	TPE2494	2.50	17/02/2015
10879910	TPE2494	3.50	17/02/2015
10880107	TPE2501	0.50	17/02/2015
10880113	TPE2501	1.50	17/02/2015
10880121	TPE2501	2.70	17/02/2015
10880199	TPE2514	0.50	17/02/2015
10880205	TPE2514	1.70	17/02/2015
10880210	TPE2516	0.30	17/02/2015
10880215	TPE2516	1.50	17/02/2015
10879524	TPE2516	2.50	17/02/2015
10880143	TPE2527	0.50	17/02/2015
10880148	TPE2527	1.50	17/02/2015
10880152	TPE2527	2.50	17/02/2015
10880157	TPE2527	3.50	17/02/2015
10880161	TPE2527	4.50	17/02/2015
10880020	TPE2529	0.50	17/02/2015
10879608	TPE2564	1.50	17/02/2015
10879612	TPE2577	0.50	17/02/2015
10879617	TPE2577	1.50	17/02/2015
10879621	TPE2577	2.50	17/02/2015
10879626	TPE2577	3.50	17/02/2015
10879579	TPE2613	0.50	17/02/2015
10880125	TPE2651	0.50	17/02/2015
10880130	TPE2651	1.50	17/02/2015
10880134	TPE2651	2.50	17/02/2015
10880138	TPE2651	3.30	17/02/2015
10879654	TPE2654	0.50	17/02/2015
10879545	TPE2666	0.50	17/02/2015
10879550	TPE2666	1.50	17/02/2015
10879556	TPE2666	2.60	17/02/2015
10879593	TPE2667	0.50	17/02/2015
10879597	TPE2667	1.50	17/02/2015
10879602	TPE2667	2.20	17/02/2015
10879631	TPE2703	0.50	17/02/2015
10879636	TPE2703	1.50	17/02/2015
10879640	TPE2703	2.50	17/02/2015
10879644	TPE2703	3.40	17/02/2015
10879528	TPE2715	0.50	17/02/2015
10879532	TPE2715	1.50	17/02/2015
10879538	TPE2715	2.50	17/02/2015
10879560	TPE2716	0.50	17/02/2015
10879565	TPE2716	1.50	17/02/2015
10879571	TPE2716	2.50	17/02/2015
10879583	TPE2717	0.50	17/02/2015
10879588	TPE2717	1.70	17/02/2015
10879660	TPE2807	0.50	17/02/2015
10879664	TPE2807	1.50	17/02/2015
10879668	TPE2807	2.30	17/02/2015

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

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

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

SOLID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)			10880028			10880032			10879987			10879996			10880003			10879940			10879953			10879971			10879671			10879675			10879679			10879683			10879889			10879896
Customer Sample Reference			IP0673			IP0673			IP0813			IP0813			IP0813			IP0814			IP0814			IP0814			IP1405			IP1405			IP1405			IP1405			IP1567			IP1567
AGS Reference																																										
Depth (m)			1.00			2.00			1.00			2.00			3.00			1.00			2.00			3.00			0.50			1.50			2.50			4.50			0.50			2.00
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: 44		X						X									X									X												X		
Asbestos Quantification - Full	All	NDPs: 9 Tests: 25																										N												N		
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 114	X			X			X			X			X			X			X			X			X			X			X			X			X			X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 114	X			X			X			X			X			X			X			X			X			X			X			X			X			X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 114			X			X			X			X			X			X			X			X			X			X			X			X			X	
Metals in solid samples by OES	All	NDPs: 0 Tests: 114	X			X			X			X			X			X			X			X			X			X			X			X			X			X
PAH by GCMS	All	NDPs: 0 Tests: 113	X			X			X			X			X			X			X			X			X						X			X			X			X
pH	All	NDPs: 0 Tests: 114		X			X			X			X			X			X			X			X			X			X			X			X			X		
Sample description	All	NDPs: 0 Tests: 113	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Total Organic Carbon	All	NDPs: 0 Tests: 18							X																		X															
TPH CWG GC (S)	All	NDPs: 0 Tests: 114	X			X			X			X			X			X			X			X			X			X			X			X			X			X

SOLID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)			10879896		10879922			10879780			10879789			10879808			10879879			10879851			10879862			10879870			10880044			10880048			10880056			10880052			10880060	
Customer Sample Reference			IP1567		IP1567			IP1569			IP1569			IP1569			IP1573			IP1576			IP1576			IP1576			IP1962			IP1962			IP3430			IP3431			IP3432	
AGS Reference																																										
Depth (m)			2.00		3.50			0.50			2.00			3.50			0.50			0.50			2.00			3.50			0.50			1.50			1.00			0.50			0.50	
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 fibres in Soil*	All	NDPs: 0 Tests: 44							X									X			X									X						X			X			X
Asbestos Quantification - Full	All	NDPs: 9 Tests: 25							N									N			N									X						X			X			X
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 114			X			X			X			X			X			X			X			X			X			X			X			X			X	
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 114			X			X			X			X			X			X			X			X			X			X			X			X			X	
GRO by GC-FID (S)	All	NDPs: 0 Tests: 114		X			X			X			X			X			X			X			X			X			X			X			X			X		
Metals in solid samples by OES	All	NDPs: 0 Tests: 114			X			X			X			X			X			X			X			X			X			X			X			X			X	
PAH by GCMS	All	NDPs: 0 Tests: 113			X			X			X			X			X			X			X			X			X			X			X			X			X	
pH	All	NDPs: 0 Tests: 114	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Sample description	All	NDPs: 0 Tests: 113						X			X			X			X			X			X			X			X			X			X			X			X	
Total Organic Carbon	All	NDPs: 0 Tests: 18																	X																							
TPH CWG GC (S)	All	NDPs: 0 Tests: 114			X			X			X			X			X			X			X			X			X			X			X			X			X	

SDG: 150221-57
Job: H_ATKINS_LDC-224
Client Reference: Site Wide Trial Pitting
Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Jack Lowrie
Order Number: CD1105
Report Number: 311504
Superseded Report:

SOLID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)			10880060			10880074			10880083			10880087			10880078			10880007			10880011			10880015			10880024			10879731			10879742			10879752			10879760			10879770
Customer Sample Reference			IP3432			IP3436			IP3471			IP3471			IP3474			IP3476			IP3476			IP3476			IP3476			TPE0593			TPE0593			TPE0593			TPE0593			TPE0593
AGS Reference																																											
Depth (m)			0.50			0.50			0.50			1.50			0.50			1.00			2.00			3.00			4.00			0.50			1.50			2.50			3.50			4.50
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)	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: 44			X			X						X			X													X													
Asbestos Quantification - Full	All	NDPs: 9 Tests: 25			X												X													N													
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 114		X			X			X			X			X			X			X			X			X			X			X			X			X			
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 114		X			X			X			X			X			X			X			X			X			X			X			X			X			
GRO by GC-FID (S)	All	NDPs: 0 Tests: 114	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Metals in solid samples by OES	All	NDPs: 0 Tests: 114		X			X			X			X			X			X			X			X			X			X			X			X			X			
PAH by GCMS	All	NDPs: 0 Tests: 113		X			X			X			X			X			X			X			X			X			X			X			X			X			
pH	All	NDPs: 0 Tests: 114			X			X			X			X			X			X			X			X			X			X			X			X			X	
Sample description	All	NDPs: 0 Tests: 113		X			X			X			X			X			X			X			X			X			X			X			X			X			
Total Organic Carbon	All	NDPs: 0 Tests: 18											X																								X						
TPH CWG GC (S)	All	NDPs: 0 Tests: 114		X			X			X			X			X			X			X			X			X			X			X			X			X			

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

SOLID

Results Legend

X **Test**

N **No Determination Possible**

Lab Sample No(s)	10879689	10879704	10879714	10879721	10879822	10879830	10879841	10880036	10880040	10880068	10880091	10880097	10880102	10880174
Customer Sample Reference	TPE0639	TPE0639	TPE0639	TPE0639	TPE0739	TPE0739	TPE0739	TPE0891	TPE0891	TPE0959	TPE1300	TPE1300	TPE1300	TPE2394
AGS Reference														
Depth (m)	0.50	1.50	2.80	3.90	0.50	2.00	3.50	0.50	1.50	0.50	0.50	1.00	2.00	0.50
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
Asbestos fibres in Soil*	All	NDPs: 0 Tests: 44		X			X			X			X		X		X			
Asbestos Quantification - Full	All	NDPs: 9 Tests: 25	N				N					X		X						
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 114	X		X		X		X		X		X		X		X		X		X		X		X		X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 114	X		X		X		X		X		X		X		X		X		X		X		X		X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 114		X		X		X		X		X		X		X		X		X		X		X		X	
Metals in solid samples by OES	All	NDPs: 0 Tests: 114	X		X		X		X		X		X		X		X		X		X		X		X		X
PAH by GCMS	All	NDPs: 0 Tests: 113	X		X		X		X		X		X		X		X		X		X		X		X		X
pH	All	NDPs: 0 Tests: 114		X		X		X		X		X		X		X		X		X		X		X		X	
Sample description	All	NDPs: 0 Tests: 113	X		X		X		X		X		X		X		X		X		X		X		X		X
Total Organic Carbon	All	NDPs: 0 Tests: 18	X								X																X
TPH CWG GC (S)	All	NDPs: 0 Tests: 114	X		X		X		X		X		X		X		X		X		X		X		X		X

ALcontrol Laboratories

Validated

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

SOLID

Results Legend

- X Test
- N No Determination Possible

Lab Sample No(s)			10880174		10880178			10880182			10880186			10880190			10880195			10880064			10880117			10880171		10879519			10879515			10879649			10879696			10879799		
Customer Sample Reference			TPE2394		TPE2394			TPE2475			TPE2475			TPE2477			TPE2477			TPE2493			TPE2493			TPE2493		TPE2493			TPE2493			TPE2494			TPE2494			TPE2494		
AGS Reference																																										
Depth (m)			0.50		1.50			0.50			1.50			0.40			1.20			0.50			1.50			2.50		3.50			4.50			0.50			1.50			2.50		
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	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: 44	X						X						X						X														X							
Asbestos Quantification - Full	All	NDPs: 9 Tests: 25	X						X						X						X														X							
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 114			X			X			X			X			X			X			X			X		X			X			X			X			X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 114			X			X			X			X			X			X			X			X		X			X			X			X			X		
GRO by GC-FID (S)	All	NDPs: 0 Tests: 114		X			X			X			X			X			X			X			X		X			X			X			X			X			X
Metals in solid samples by OES	All	NDPs: 0 Tests: 114			X			X			X			X			X			X			X			X		X			X			X			X			X		
PAH by GCMS	All	NDPs: 0 Tests: 113			X			X			X			X			X			X			X			X		X			X			X			X			X		
pH	All	NDPs: 0 Tests: 114	X			X			X			X			X			X			X			X		X			X			X			X			X			X	
Sample description	All	NDPs: 0 Tests: 113			X			X			X			X			X			X			X			X		X			X			X			X			X		
Total Organic Carbon	All	NDPs: 0 Tests: 18																		X											X			X								
TPH CWG GC (S)	All	NDPs: 0 Tests: 114			X			X			X			X			X			X			X			X		X			X			X			X			X		

13:42:21 05/05/2015

SDG: 150221-57 **Location:** Coed Darcy **Order Number:** CD1105
Job: H_ATKINS_LDC-224 **Customer:** Atkins Global Ltd **Report Number:** 311504
Client Reference: Site Wide Trial Pitting **Attention:** Jack Lowrie **Superseded Report:**

SOLID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)			10879910		10880107			10880113			10880121			10880199			10880205			10880210			10880215			10879524			10880143			10880148			10880152			10880157			10880161	
Customer Sample Reference			TPE2494		TPE2501			TPE2501			TPE2501			TPE2514			TPE2514			TPE2516			TPE2516			TPE2516			TPE2527			TPE2527			TPE2527			TPE2527			TPE2527	
AGS Reference																																											
Depth (m)			3.50		0.50			1.50			2.70			0.50			1.70			0.30			1.50			2.50			0.50			1.50			2.50			3.50			4.50	
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 fibres in Soil*	All	NDPs: 0 Tests: 44				X									X						X									X												
Asbestos Quantification - Full	All	NDPs: 9 Tests: 25				X									X						X									X												
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 114	X		X			X			X			X			X			X			X			X			X			X			X			X			X	
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 114	X		X			X			X			X			X			X			X			X			X			X			X			X			X	
GRO by GC-FID (S)	All	NDPs: 0 Tests: 114		X			X			X			X			X			X			X			X			X			X			X			X			X		
Metals in solid samples by OES	All	NDPs: 0 Tests: 114	X		X			X			X			X			X			X			X			X			X			X			X			X			X	
PAH by GCMS	All	NDPs: 0 Tests: 113	X		X			X			X			X			X			X			X			X			X			X			X			X			X	
pH	All	NDPs: 0 Tests: 114	X			X			X			X			X			X			X			X			X		X				X			X			X			X
Sample description	All	NDPs: 0 Tests: 113	X		X			X			X			X			X			X			X			X			X			X			X			X			X	
Total Organic Carbon	All	NDPs: 0 Tests: 18																		X																					X	
TPH CWG GC (S)	All	NDPs: 0 Tests: 114	X		X			X			X			X			X			X			X			X			X			X			X			X			X	

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

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Results Legend

X **Test**

N **No Determination Possible**

Lab Sample No(s)	10880161	10880020	10879608	10879612	10879617	10879621	10879626	10879579	10880125	10880130	10880134	10880138	10879654	10879545
Customer Sample Reference	TPE2527	TPE2529	TPE2564	TPE2577	TPE2577	TPE2577	TPE2577	TPE2613	TPE2651	TPE2651	TPE2651	TPE2651	TPE2654	TPE2666
AGS Reference														
Depth (m)	4.50	0.50	1.50	0.50	1.50	2.50	3.50	0.50	0.50	1.50	2.50	3.30	0.50	0.50
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)	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: 44		X			X			X	X				X	X
Asbestos Quantification - Full	All	NDPs: 9 Tests: 25		X			X			X	N				X	X
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 114	X		X		X		X	X		X		X		X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 114	X		X		X		X	X		X		X		X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 114	X	X		X		X		X		X		X		X
Metals in solid samples by OES	All	NDPs: 0 Tests: 114	X		X		X		X	X		X		X		X
PAH by GCMS	All	NDPs: 0 Tests: 113	X		X		X		X	X		X		X		X
pH	All	NDPs: 0 Tests: 114		X		X		X		X	X		X		X	X
Sample description	All	NDPs: 0 Tests: 113	X		X		X		X	X		X		X		X
Total Organic Carbon	All	NDPs: 0 Tests: 18								X						
TPH CWG GC (S)	All	NDPs: 0 Tests: 114	X		X		X		X	X		X		X		X

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

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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: 44	10879550	TPE2666		1.50	250g Amber Jar (AL)
			10879556	TPE2666		2.60	400g Tub (ALE214)
			10879593	TPE2667		0.50	60g VOC (ALE215)
			10879597	TPE2667		1.50	250g Amber Jar (AL)
			10879602	TPE2667		2.20	400g Tub (ALE214)
			10879631	TPE2703		0.50	60g VOC (ALE215)
			10879636	TPE2703		1.50	250g Amber Jar (AL)
			10879640	TPE2703		2.50	400g Tub (ALE214)
			10879644	TPE2703		3.40	60g VOC (ALE215)
			10879528	TPE2715		0.50	250g Amber Jar (AL)
			10879532	TPE2715		1.50	400g Tub (ALE214)
			10879538	TPE2715		2.50	60g VOC (ALE215)
			10879560	TPE2716		0.50	250g Amber Jar (AL)
			10879565	TPE2716		1.50	400g Tub (ALE214)
Asbestos Quantification - Full	All	NDPs: 9 Tests: 25					60g VOC (ALE215)
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 114					250g Amber Jar (AL)
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 114					400g Tub (ALE214)
GRO by GC-FID (S)	All	NDPs: 0 Tests: 114					60g VOC (ALE215)
Metals in solid samples by OES	All	NDPs: 0 Tests: 114					250g Amber Jar (AL)
PAH by GCMS	All	NDPs: 0 Tests: 113					400g Tub (ALE214)
pH	All	NDPs: 0 Tests: 114					60g VOC (ALE215)
Sample description	All	NDPs: 0 Tests: 113					250g Amber Jar (AL)
Total Organic Carbon	All	NDPs: 0 Tests: 18					400g Tub (ALE214)
TPH CWG GC (S)	All	NDPs: 0 Tests: 114					60g VOC (ALE215)

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

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Results Legend

X **Test**

N **No Determination Possible**

Lab Sample No(s)			10879565	10879571	10879583	10879588	10879660	10879664	10879668
Customer Sample Reference			TPE2716	TPE2716	TPE2717	TPE2717	TPE2807	TPE2807	TPE2807
AGS Reference									
Depth (m)			1.50	2.50	0.50	1.70	0.50	1.50	2.30
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	60g VOC (ALE215)
Asbestos fibres in Soil*	All	NDPs: 0 Tests: 44				X							X								
Asbestos Quantification - Full	All	NDPs: 9 Tests: 25				X															
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 114			X		X			X			X			X			X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 114			X		X			X			X			X			X		
GRO by GC-FID (S)	All	NDPs: 0 Tests: 114	X			X		X			X			X			X			X	X
Metals in solid samples by OES	All	NDPs: 0 Tests: 114			X		X			X			X			X			X		
PAH by GCMS	All	NDPs: 0 Tests: 113			X		X			X			X			X			X		
pH	All	NDPs: 0 Tests: 114	X			X		X			X			X			X			X	
Sample description	All	NDPs: 0 Tests: 113			X		X			X			X			X			X		
TPH CWG GC (S)	All	NDPs: 0 Tests: 114			X		X			X			X			X			X		

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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
10880028	IP0673	1.00	Beige	Loamy Sand	0.1 - 2 mm	Stones	None
10880032	IP0673	2.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
10879987	IP0813	1.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
10879996	IP0813	2.00	Light Brown	Sandy Clay	0.1 - 2 mm	Stones	None
10880003	IP0813	3.00	Light Brown	Sandy Loam	0.1 - 2 mm	Stones	None
10879940	IP0814	1.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
10879953	IP0814	2.00	Light Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
10879971	IP0814	3.00	Light Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
10879671	IP1405	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
10879675	IP1405	1.50	Light Brown	Silty Clay Loam	0.063 - 0.1 mm	Concrete/Aggregate	Oil/Petroleum
10879679	IP1405	2.50	Light Brown	Silty Clay Loam	0.063 - 0.1 mm	Vegetation	Stones
10879683	IP1405	4.50	Dark Brown	Sand	0.1 - 2 mm	Stones	Vegetation
10879889	IP1567	0.50	Black	Sand	2 - 10 mm	Coal fragments	Stones
10879896	IP1567	2.00	Black	Sand	0.1 - 2 mm	Stones	Vegetation
10879922	IP1567	3.50	Black	Sand	0.1 - 2 mm	Stones	None
10879780	IP1569	0.50	Black	Sand	0.1 - 2 mm	Coal fragments	Stones
10879789	IP1569	2.00	Black	Clinker	0.1 - 2 mm	Stones	Vegetation
10879808	IP1569	3.50	Black	Sand	0.1 - 2 mm	Stones	Vegetation
10879879	IP1573	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Vegetation	Stones
10879851	IP1576	0.50	Black	Sand	0.1 - 2 mm	Coal fragments	Stones
10879862	IP1576	2.00	Black	Sand	0.1 - 2 mm	Stones	Vegetation
10879870	IP1576	3.50	Black	Sand	0.1 - 2 mm	Oil/Petroleum	Stones
10880044	IP1962	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
10880048	IP1962	1.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
10880056	IP3430	1.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
10880052	IP3431	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
10880060	IP3432	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
10880074	IP3436	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
10880083	IP3471	0.50	Dark Brown	Sand	0.1 - 2 mm	Stones	None
10880087	IP3471	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
10880078	IP3474	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
10880007	IP3476	1.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
10880011	IP3476	2.00	Light Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
10880015	IP3476	3.00	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	Vegetation
10880024	IP3476	4.00	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	Vegetation
10879731	TPE0593	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
10879742	TPE0593	1.50	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	None
10879752	TPE0593	2.50	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	None

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

			Colour	Description	Grain size	Inclusions	Inclusions 2
10879760	TPE0593	3.50	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	Vegetation
10879770	TPE0593	4.50	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	Vegetation
10879689	TPE0639	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Vegetation	Stones
10879704	TPE0639	1.50	Black	Clinker	0.1 - 2 mm	Stones	None
10879714	TPE0639	2.80	Dark Brown	Silty Clay	0.063 - 0.1 mm	None	None
10879721	TPE0639	3.90	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Oil/Petroleum	Stones
10879822	TPE0739	0.50	Black	Sand	0.1 - 2 mm	Coal fragments	Stones
10879830	TPE0739	2.00	Black	Clinker	0.1 - 2 mm	Stones	None
10879841	TPE0739	3.50	Beige	Sand	0.1 - 2 mm	Stones	Vegetation
10880036	TPE0891	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
10880040	TPE0891	1.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
10880068	TPE0959	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
10880091	TPE1300	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
10880097	TPE1300	1.00	Black	Sandy Clay Loam	0.1 - 2 mm	Brick	Stones
10880102	TPE1300	2.00	Light Brown	Sand	0.1 - 2 mm	Stones	None
10880174	TPE2394	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
10880178	TPE2394	1.50	Black	Sandy Loam	0.1 - 2 mm	Stones	None
10880182	TPE2475	0.50	Black	Sandy Clay Loam	0.1 - 2 mm	Stones	Oil/Petroleum
10880186	TPE2475	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
10880190	TPE2477	0.40	Black	Sand	0.1 - 2 mm	Stones	Vegetation
10880195	TPE2477	1.20	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	None
10879515	TPE2493	4.50	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	None
10879519	TPE2493	3.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
10880064	TPE2493	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
10880117	TPE2493	1.50	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	Vegetation
10880171	TPE2493	2.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
10879649	TPE2494	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Crushed Brick	Stones
10879696	TPE2494	1.50	Dark Brown	Loamy Sand	0.1 - 2 mm	None	Stones
10879799	TPE2494	2.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
10879910	TPE2494	3.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
10880107	TPE2501	0.50	Black	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
10880113	TPE2501	1.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Vegetation	Stones
10880121	TPE2501	2.70	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Oil/Petroleum
10880199	TPE2514	0.50	Black	Sand	0.1 - 2 mm	Stones	Vegetation
10880205	TPE2514	1.70	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	Vegetation
10879524	TPE2516	2.50	Black	Sandy Loam	0.1 - 2 mm	Stones	Oil/Petroleum
10880210	TPE2516	0.30	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
10880215	TPE2516	1.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Oil/Petroleum	Stones
10880143	TPE2527	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Crushed Brick	Stones
10880148	TPE2527	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
10880152	TPE2527	2.50	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	None

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

			Colour	Description	Grain size	Inclusions	Inclusions 2
10880157	TPE2527	3.50	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	Vegetation
10880161	TPE2527	4.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
10880020	TPE2529	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Crushed Brick	Stones
10879608	TPE2564	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Oil/Petroleum
10879612	TPE2577	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Crushed Brick	Fibres
10879617	TPE2577	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Fibres	None
10879621	TPE2577	2.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
10879626	TPE2577	3.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
10879579	TPE2613	0.50	Dark Brown	Sand	0.1 - 2 mm	Tile/Insulation Board	Stones
10880125	TPE2651	0.50	Black	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
10880130	TPE2651	1.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
10880134	TPE2651	2.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Oil/Petroleum
10880138	TPE2651	3.30	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Oil/Petroleum
10879654	TPE2654	0.50	Black	Gravel	2 - 10 mm	Crushed Brick	Vegetation
10879545	TPE2666	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
10879550	TPE2666	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
10879556	TPE2666	2.60	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Concrete/Aggregate
10879593	TPE2667	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
10879597	TPE2667	1.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
10879602	TPE2667	2.20	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
10879631	TPE2703	0.50	Black	Sandy Loam	0.1 - 2 mm	Stones	None
10879636	TPE2703	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	None	None
10879640	TPE2703	2.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Cement board	None
10879644	TPE2703	3.40	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
10879528	TPE2715	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Vegetation	Stones
10879532	TPE2715	1.50	Dark Brown	Sand	0.1 - 2 mm	Stones	Vegetation
10879538	TPE2715	2.50	Dark Brown	Sand	0.1 - 2 mm	Stones	Concrete/Aggregate
10879560	TPE2716	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	None	Stones
10879565	TPE2716	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Brick	Stones
10879571	TPE2716	2.50	Dark Brown	Stone/Soil	2 - 10 mm	Vegetation	Concrete/Aggregate
10879583	TPE2717	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
10879588	TPE2717	1.70	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
10879660	TPE2807	0.50	Black	Sandy Loam	0.1 - 2 mm	Stones	None
10879664	TPE2807	1.50	Dark Brown	Sand	0.1 - 2 mm	Stones	None
10879668	TPE2807	2.30	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation

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

We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally 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:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	IP0673	IP0673	IP0813	IP0813	IP0813	IP0814
			Depth (m)	1.00	2.00	1.00	2.00	3.00	1.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10880028	10880032	10879987	10879996	10880003	10879940
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		12	11	14	14	8.5	13
Actinolite*	-	SUB (ASB)		Not Detected #		Not Detected #			Not Detected #
Amosite*	-	SUB (ASB)		Not Detected #		Not Detected #			Not Detected #
Anthophyllite*	-	SUB (ASB)		Not Detected #		Not Detected #			Not Detected #
Chrysotile*	-	SUB (ASB)		Not Detected #		Not Detected #			Not Detected #
Crocidolite*	-	SUB (ASB)		Not Detected #		Not Detected #			Not Detected #
Tremolite*	-	SUB (ASB)		Not Detected #		Not Detected #			Not Detected #
Non-Asbestos Fibres Detected	-	SUB (ASB)		Not Detected #		Not Detected #			Not Detected #
Soil Organic Matter (SOM)	<0.35 %	TM132				2.33 #			
pH	1 pH Units	TM133		6.47 M	7.61 M	5.79 M	6.02 M	5.91 M	6.47 M
Arsenic	<0.6 mg/kg	TM181		6.73 M	8.74 M	13.4 M	25.1 M	5.77 M	14.2 M
Cadmium	<0.02 mg/kg	TM181		0.471 M	0.582 M	0.945 M	0.734 M	0.467 M	0.727 M
Chromium	<0.9 mg/kg	TM181		8.3 M	11.4 M	13.5 M	13.8 M	8.78 M	12.3 M
Copper	<1.4 mg/kg	TM181		10.8 M	13.1 M	25.5 M	52.2 M	7.46 M	27.1 M
Lead	<0.7 mg/kg	TM181		12.5 M	13 M	42.4 M	26.7 M	8.54 M	20.6 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		20.5 M	27.7 M	24.6 M	20.3 M	17.6 M	26.7 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		9.64 #	11.6 #	16.7 #	15.7 #	8.41 #	12.7 #
Zinc	<1.9 mg/kg	TM181		52.8 M	64 M	82.1 M	70.2 M	37.3 M	72.2 M

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	IP0814	IP0814	IP1405	IP1405	IP1405	IP1405
			Depth (m)	2.00	3.00	0.50	1.50	2.50	4.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10879953	10879971	10879671	10879675	10879679	10879683
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		11	11	30	32	44	30
Actinolite*	-	SUB (ASB)				Not Detected #			
Amosite*	-	SUB (ASB)				Detected #			
Anthophyllite*	-	SUB (ASB)				Not Detected #			
Chrysotile*	-	SUB (ASB)				Detected #			
Crocidolite*	-	SUB (ASB)				Detected #			
Tremolite*	-	SUB (ASB)				Not Detected #			
Non-Asbestos Fibres Detected	-	SUB (ASB)				Not Detected #			
Soil Organic Matter (SOM)	<0.35 %	TM132				25.5 #			
pH	1 pH Units	TM133		6.49 M	6.45 M	8.4 M	9.53 M	7.98 M	11.3 M
Arsenic	<0.6 mg/kg	TM181		<6 M	<6 M	12.3 M	32.4 M	7.42 M	28.5 M
Cadmium	<0.02 mg/kg	TM181		1.96 M	1.55 M	1.61 M	0.556 M	0.294 M	0.561 M
Chromium	<0.9 mg/kg	TM181		13.8 M	14.2 M	44.3 M	4.08 M	3.65 M	13.5 M
Copper	<1.4 mg/kg	TM181		14.9 M	18.3 M	970 M	28 M	9.97 M	54.4 M
Lead	<0.7 mg/kg	TM181		20.7 M	23.2 M	104 M	208 M	55.9 M	26.5 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	0.418 M
Nickel	<0.2 mg/kg	TM181		26.3 M	25.8 M	93.1 M	5 M	5.15 M	42 M
Selenium	<1 mg/kg	TM181		<10 #	<10 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		16.2 #	17.7 #	18.1 #	5.38 #	6.52 #	51.1 #
Zinc	<1.9 mg/kg	TM181		63.1 M	81.1 M	772 M	486 M	126 M	68.6 M

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	IP1567	IP1567	IP1567	IP1569	IP1569	IP1569
			Depth (m)	0.50	2.00	3.50	0.50	2.00	3.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10879889	10879896	10879922	10879780	10879789	10879808
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		23	25	16	18	28	26
Actinolite*	-	SUB (ASB)		Not Detected #			Not Detected #		
Amosite*	-	SUB (ASB)		Detected #			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 #		
pH	1 pH Units	TM133		7.26 M	7.5 M	7.34 M	7.45 M	7.31 #	7.57 M
Arsenic	<0.6 mg/kg	TM181		25.3 M	34.8 M	19.4 M	63.5 M	19.9 #	23.7 M
Cadmium	<0.02 mg/kg	TM181		0.331 M	0.857 M	0.341 M	0.668 M	0.688 #	0.715 M
Chromium	<0.9 mg/kg	TM181		10.8 M	14.4 M	14 M	13.9 M	39.8 #	21.6 M
Copper	<1.4 mg/kg	TM181		41.6 M	252 M	39.8 M	182 M	82.9 #	185 M
Lead	<0.7 mg/kg	TM181		11.3 M	78.6 M	15.5 M	34.5 M	29.4 #	68.9 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	1.46 M	<0.14 M	0.16 M	<0.14 #	1.88 M
Nickel	<0.2 mg/kg	TM181		27 M	64.2 M	23.4 M	46.3 M	38.5 #	46.1 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		26.8 #	43.7 #	19 #	37.7 #	39.2 #	46.4 #
Zinc	<1.9 mg/kg	TM181		23.4 M	363 M	62.3 M	190 M	98.7 #	123 M

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	IP1573	IP1576	IP1576	IP1576	IP1962	IP1962
			Depth (m)	0.50	0.50	2.00	3.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10879879	10879851	10879862	10879870	10880044	10880048
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		16	18	22	28	12	11
Actinolite*	-	SUB (ASB)		Not Detected #	Not Detected #			Not Detected #	
Amosite*	-	SUB (ASB)		Detected #	Detected #			Not Detected #	
Anthophyllite*	-	SUB (ASB)		Not Detected #	Not Detected #			Not Detected #	
Chrysotile*	-	SUB (ASB)		Detected #	Not Detected #			Detected #	
Crocidolite*	-	SUB (ASB)		Not Detected #	Not Detected #			Not Detected #	
Tremolite*	-	SUB (ASB)		Not Detected #	Not Detected #			Not Detected #	
Non-Asbestos Fibres Detected	-	SUB (ASB)		Not Detected #	Not Detected #			Not Detected #	
Soil Organic Matter (SOM)	<0.35 %	TM132			70.5 #				
pH	1 pH Units	TM133		5.08 M	6.69 M	7.32 M	6.46 M	7.44 M	6.78 M
Arsenic	<0.6 mg/kg	TM181		20.3 M	37.7 M	23.6 M	50.5 M	35.2 M	11.5 M
Cadmium	<0.02 mg/kg	TM181		0.719 M	0.526 M	0.237 M	2.49 M	1.28 M	0.498 M
Chromium	<0.9 mg/kg	TM181		20.3 M	11.1 M	12.6 M	17.9 M	16.2 M	13.7 M
Copper	<1.4 mg/kg	TM181		37.9 M	73.4 M	42.4 M	267 M	43.9 M	30.2 M
Lead	<0.7 mg/kg	TM181		559 M	22.6 M	21.1 M	14300 M	54.9 M	20 M
Mercury	<0.14 mg/kg	TM181		0.141 M	<0.14 M	0.43 M	19.7 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		32.8 M	42.3 M	30.6 M	76.7 M	26.4 M	24.4 M
Selenium	<1 mg/kg	TM181		<1 #	1.16 #	<1 #	<10 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		16.3 #	31.1 #	33.7 #	26.3 #	22.6 #	14.9 #
Zinc	<1.9 mg/kg	TM181		110 M	62.5 M	34.9 M	346 M	164 M	118 M

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	IP3430	IP3431	IP3432	IP3436	IP3471	IP3471
			Depth (m)	1.00	0.50	0.50	0.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10880056	10880052	10880060	10880074	10880083	10880087
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		9.9	11	12	11	11	11
Actinolite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	
Amosite*	-	SUB (ASB)		Not Detected #	Not Detected #	Detected #	Not Detected #	Not Detected #	
Anthophyllite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	
Chrysotile*	-	SUB (ASB)		Detected #	Detected #	Detected #	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 #	
pH	1 pH Units	TM133		6.2 M	7.01 M	6.27 M	5.95 M	6.87 M	7.15 M
Arsenic	<0.6 mg/kg	TM181		15.4 M	9.19 M	22.5 M	6.83 M	10.9 M	17.2 M
Cadmium	<0.02 mg/kg	TM181		0.622 M	0.296 M	0.928 M	0.283 M	0.807 M	0.785 M
Chromium	<0.9 mg/kg	TM181		22.8 M	12.8 M	21 M	23.9 M	12.3 M	19.7 M
Copper	<1.4 mg/kg	TM181		29.7 M	13.9 M	36.5 M	39.7 M	11 M	25.1 M
Lead	<0.7 mg/kg	TM181		19.3 M	13.8 M	104 M	22.4 M	13.4 M	19.5 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	0.455 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		43.6 M	20 M	35.6 M	38.7 M	24.5 M	36 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		20.6 #	14.3 #	19.5 #	23.1 #	12.6 #	20.7 #
Zinc	<1.9 mg/kg	TM181		142 M	62.7 M	132 M	88.2 M	84.3 M	94.1 M

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	IP3474	IP3476	IP3476	IP3476	IP3476	TPE0593
			Depth (m)	0.50	1.00	2.00	3.00	4.00	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10880078	10880007	10880011	10880015	10880024	10879731
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		15	12	9.5	11	13	13
Actinolite*	-	SUB (ASB)		Not Detected #	Not Detected #				Not Detected #
Amosite*	-	SUB (ASB)		Not Detected #	Not Detected #				Detected #
Anthophyllite*	-	SUB (ASB)		Not Detected #	Not Detected #				Not Detected #
Chrysotile*	-	SUB (ASB)		Not Detected #	Detected #				Detected #
Crocidolite*	-	SUB (ASB)		Not Detected #	Not Detected #				Not Detected #
Tremolite*	-	SUB (ASB)		Not Detected #	Not Detected #				Not Detected #
Non-Asbestos Fibres Detected	-	SUB (ASB)		Not Detected #	Not Detected #				Not Detected #
Soil Organic Matter (SOM)	<0.35 %	TM132		4.98 #					
pH	1 pH Units	TM133		7.67 M	6.25 M	6.49 M	5.99 M	6.49 M	7.5 M
Arsenic	<0.6 mg/kg	TM181		30.2 M	21.7 M	17 M	32 M	22.7 M	38.6 M
Cadmium	<0.02 mg/kg	TM181		1.17 M	0.957 M	1.19 M	0.83 M	0.716 M	1.59 M
Chromium	<0.9 mg/kg	TM181		16.8 M	13.5 M	14.9 M	15.8 M	18.3 M	39 M
Copper	<1.4 mg/kg	TM181		47 M	40.5 M	23.8 M	16.6 M	24.3 M	157 M
Lead	<0.7 mg/kg	TM181		68.9 M	28.9 M	67.5 M	19 M	19.8 M	326 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	0.779 M	0.176 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		32.8 M	26.3 M	28.9 M	26.9 M	30.8 M	34.7 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		19.8 #	15.3 #	16 #	16.6 #	19.1 #	29.8 #
Zinc	<1.9 mg/kg	TM181		162 M	122 M	201 M	78.3 M	82.9 M	822 M

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	TPE0593	TPE0593	TPE0593	TPE0593	TPE0639	TPE0639
			Depth (m)	1.50	2.50	3.50	4.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10879742	10879752	10879760	10879770	10879689	10879704
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		17	17	17	14	15	25
Actinolite*	-	SUB (ASB)						Not Detected #	
Amosite*	-	SUB (ASB)						Not Detected #	
Anthophyllite*	-	SUB (ASB)						Not Detected #	
Chrysotile*	-	SUB (ASB)						Detected #	
Crocidolite*	-	SUB (ASB)						Not Detected #	
Tremolite*	-	SUB (ASB)						Not Detected #	
Non-Asbestos Fibres Detected	-	SUB (ASB)						Not Detected #	
Soil Organic Matter (SOM)	<0.35 %	TM132				1.93 #		15.4 #	
pH	1 pH Units	TM133		7.13 M	6.73 M	6.45 M	5.75 M	8.67 M	8.22 #
Arsenic	<0.6 mg/kg	TM181		28.2 M	31.1 M	21.5 M	13 M	30.9 M	24.2 #
Cadmium	<0.02 mg/kg	TM181		0.991 M	1.07 M	0.594 M	0.53 M	1.32 M	1.67 #
Chromium	<0.9 mg/kg	TM181		16.5 M	16.9 M	11.8 M	11.3 M	27.1 M	13.8 #
Copper	<1.4 mg/kg	TM181		65.1 M	65.7 M	26.5 M	21.3 M	189 M	109 #
Lead	<0.7 mg/kg	TM181		30.8 M	29.3 M	23 M	12.9 M	233 M	80.9 #
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	0.494 M	2.68 #
Nickel	<0.2 mg/kg	TM181		20.9 M	20 M	17.5 M	18.5 M	36.6 M	39.1 #
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		21.4 #	20.9 #	13.5 #	12 #	27.2 #	29.6 #
Zinc	<1.9 mg/kg	TM181		121 M	117 M	58.5 M	55.3 M	906 M	208 #

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	TPE0639	TPE0639	TPE0739	TPE0739	TPE0739	TPE0891
			Depth (m)	2.80	3.90	0.50	2.00	3.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10879714	10879721	10879822	10879830	10879841	10880036
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		18	23	16	28	23	11
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 #			Not 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							1.86 #
pH	1 pH Units	TM133		6.61 M	6.06 M	6.86 M	7.08 #	6.75 M	7.27 M
Arsenic	<0.6 mg/kg	TM181		21.1 M	42.6 M	38.6 M	55.9 #	30.9 M	9.45 M
Cadmium	<0.02 mg/kg	TM181		0.832 M	0.968 M	1.86 M	1.89 #	1.08 M	0.632 M
Chromium	<0.9 mg/kg	TM181		17.4 M	16.1 M	21.2 M	24.2 #	14.6 M	14.7 M
Copper	<1.4 mg/kg	TM181		37.2 M	96.2 M	80.1 M	107 #	84.2 M	17.3 M
Lead	<0.7 mg/kg	TM181		21.6 M	57 M	76.7 M	71 #	145 M	14.3 M
Mercury	<0.14 mg/kg	TM181		0.32 M	<0.14 M	<1.4 M	<1.4 #	0.45 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		20.6 M	20.1 M	63.3 M	74 #	43.2 M	26.7 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<10 #	<10 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		21 #	20.5 #	30.5 #	31.3 #	27.8 #	15.7 #
Zinc	<1.9 mg/kg	TM181		83.4 M	89.2 M	176 M	131 #	198 M	119 M

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	TPE0891	TPE0959	TPE1300	TPE1300	TPE1300	TPE2394
			Depth (m)	1.50	0.50	0.50	1.00	2.00	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10880040	10880068	10880091	10880097	10880102	10880174
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		11	17	14	17	7.7	18
Actinolite*	-	SUB (ASB)			Not Detected #	Not Detected #	Not Detected #		Not Detected #
Amosite*	-	SUB (ASB)			Not Detected #	Not Detected #	Not Detected #		Detected #
Anthophyllite*	-	SUB (ASB)			Not Detected #	Not Detected #	Not Detected #		Not Detected #
Chrysotile*	-	SUB (ASB)			Detected #	Detected #	Not Detected #		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 #
Soil Organic Matter (SOM)	<0.35 %	TM132							44.1 #
pH	1 pH Units	TM133		6.09 M	6.62 M	5.6 M	6.71 M	6.45 M	6.54 M
Arsenic	<0.6 mg/kg	TM181		10.1 M	66.4 M	27 M	32.2 M	8.72 M	58.4 M
Cadmium	<0.02 mg/kg	TM181		0.535 M	1.89 M	1.18 M	1.78 M	0.625 M	2.69 M
Chromium	<0.9 mg/kg	TM181		13.4 M	20.2 M	15.3 M	17.3 M	11.8 M	20 M
Copper	<1.4 mg/kg	TM181		21.5 M	133 M	44.4 M	60.3 M	11.4 M	161 M
Lead	<0.7 mg/kg	TM181		19.2 M	258 M	47.3 M	136 M	36.9 M	301 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	25.9 M	0.586 M	13.7 M	2.48 M	0.507 M
Nickel	<0.2 mg/kg	TM181		25.2 M	39.3 M	27.6 M	30.1 M	19.6 M	54.8 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		14.6 #	28.6 #	18.3 #	21.3 #	10.8 #	30.8 #
Zinc	<1.9 mg/kg	TM181		79.4 M	264 M	127 M	210 M	50.4 M	596 M

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	TPE2394	TPE2475	TPE2475	TPE2477	TPE2477	TPE2493
			Depth (m)	1.50	0.50	1.50	0.40	1.20	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10880178	10880182	10880186	10880190	10880195	10880064
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		17	25	14	24	20	9.1
Actinolite*	-	SUB (ASB)			Not Detected #		Not Detected #		Not Detected #
Amosite*	-	SUB (ASB)			Not Detected #		Detected #		Not Detected #
Anthophyllite*	-	SUB (ASB)			Not Detected #		Not Detected #		Not Detected #
Chrysotile*	-	SUB (ASB)			Detected #		Detected #		Detected #
Crocidolite*	-	SUB (ASB)			Not Detected #		Not Detected #		Not Detected #
Tremolite*	-	SUB (ASB)			Not Detected #		Not Detected #		Not Detected #
Non-Asbestos Fibres Detected	-	SUB (ASB)			Not Detected #		Not Detected #		Not Detected #
Soil Organic Matter (SOM)	<0.35 %	TM132							1.88 #
pH	1 pH Units	TM133		5.29 M	6.25 M	5.25 M	7.5 M	5.81 M	7.69 M
Arsenic	<0.6 mg/kg	TM181		18 M	84.3 M	22.9 M	39.1 M	15.8 M	12.6 M
Cadmium	<0.02 mg/kg	TM181		0.86 M	1.22 M	1.43 M	2.74 M	0.76 M	0.714 M
Chromium	<0.9 mg/kg	TM181		13.6 M	14.8 M	12.6 M	22.3 M	14.9 M	17 M
Copper	<1.4 mg/kg	TM181		36.3 M	202 M	41.4 M	126 M	25.1 M	45.6 M
Lead	<0.7 mg/kg	TM181		30.8 M	127 M	31.5 M	317 M	20 M	29.9 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	0.215 M	<0.14 M	1.12 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		30.5 M	22.7 M	25 M	69.8 M	24.1 M	37.2 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		15 #	29 #	14.5 #	34.4 #	17.8 #	15 #
Zinc	<1.9 mg/kg	TM181		138 M	226 M	111 M	498 M	80.2 M	118 M

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	TPE2493	TPE2493	TPE2493	TPE2493	TPE2494	TPE2494
			Depth (m)	1.50	2.50	3.50	4.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10880117	10880171	10879519	10879515	10879649	10879696
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		19	16	15	16	10	9.4
Actinolite*	-	SUB (ASB)						Not Detected #	
Amosite*	-	SUB (ASB)						Not Detected #	
Anthophyllite*	-	SUB (ASB)						Not Detected #	
Chrysotile*	-	SUB (ASB)						Detected #	
Crocidolite*	-	SUB (ASB)						Not Detected #	
Tremolite*	-	SUB (ASB)						Not Detected #	
Non-Asbestos Fibres Detected	-	SUB (ASB)						Not Detected #	
Soil Organic Matter (SOM)	<0.35 %	TM132					2.97 #	2.28 #	
pH	1 pH Units	TM133		6.82 M	6.75 M	7.84 M	7.16 M	8.53 M	8.53 M
Arsenic	<0.6 mg/kg	TM181		46.4 M	34.7 M	26.2 M	20.5 M	22.3 M	13 M
Cadmium	<0.02 mg/kg	TM181		1.33 M	1.28 M	1.13 M	1.12 M	0.675 M	0.787 M
Chromium	<0.9 mg/kg	TM181		17.3 M	16.4 M	14.6 M	15.5 M	15.9 M	16.5 M
Copper	<1.4 mg/kg	TM181		90.5 M	67.4 M	75.9 M	48.8 M	81 M	24.2 M
Lead	<0.7 mg/kg	TM181		30.1 M	35.9 M	30.8 M	45 M	43 M	168 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	0.522 M	0.923 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		19.8 M	24 M	24.9 M	28.2 M	35.3 M	36.3 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		20.6 #	20.3 #	17.9 #	18.3 #	17.3 #	15.7 #
Zinc	<1.9 mg/kg	TM181		96.6 M	111 M	123 M	150 M	115 M	108 M

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	TPE2494	TPE2494	TPE2501	TPE2501	TPE2501	TPE2514
			Depth (m)	2.50	3.50	0.50	1.50	2.70	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10879799	10879910	10880107	10880113	10880121	10880199
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		12	9.3	20	21	15	20
Actinolite*	-	SUB (ASB)				Not Detected #			Not Detected #
Amosite*	-	SUB (ASB)				Not Detected #			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 #
pH	1 pH Units	TM133		7.57 M	8.33 M	6.8 M	6.49 M	6.5 M	7.22 M
Arsenic	<0.6 mg/kg	TM181		16.2 M	19.4 M	95.2 M	30 M	<6 M	35 M
Cadmium	<0.02 mg/kg	TM181		0.899 M	0.632 M	3.21 M	0.984 M	1.91 M	3.58 M
Chromium	<0.9 mg/kg	TM181		15.8 M	16.5 M	14.1 M	13.9 M	11.6 M	21.6 M
Copper	<1.4 mg/kg	TM181		23.7 M	29.5 M	262 M	52.9 M	37 M	185 M
Lead	<0.7 mg/kg	TM181		22.9 M	29.9 M	<0.7 M	30.6 M	78.5 M	307 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	0.284 M	<0.14 M	<0.14 M	0.501 M
Nickel	<0.2 mg/kg	TM181		38.4 M	38.6 M	46.8 M	18.1 M	27 M	48.1 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<10 #	<1 #
Vanadium	<0.2 mg/kg	TM181		16 #	18.3 #	23.8 #	18.8 #	15.6 #	29.5 #
Zinc	<1.9 mg/kg	TM181		90.7 M	98.5 M	<1.9 M	199 M	220 M	521 M

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	TPE2514	TPE2516	TPE2516	TPE2516	TPE2527	TPE2527
			Depth (m)	1.70	0.30	1.50	2.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10880205	10880210	10880215	10879524	10880143	10880148
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		13	24	14	19	12	9.8
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			28.8 #				
pH	1 pH Units	TM133		5.31 M	7.52 M	5.85 M	5.68 M	8.68 M	8.57 M
Arsenic	<0.6 mg/kg	TM181		12.7 M	26.3 M	10.8 M	27.5 M	29.7 M	20.6 M
Cadmium	<0.02 mg/kg	TM181		0.964 M	3.39 M	0.667 M	1.31 M	0.875 M	0.841 M
Chromium	<0.9 mg/kg	TM181		13.1 M	36 M	12.8 M	12.5 M	15.3 M	14.3 M
Copper	<1.4 mg/kg	TM181		20.2 M	70.5 M	15.7 M	59.1 M	70.7 M	62.6 M
Lead	<0.7 mg/kg	TM181		18.4 M	269 M	23.8 M	31 M	80 M	70.5 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<1.4 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		24.6 M	47.2 M	23.8 M	21.1 M	29.5 M	25.9 M
Selenium	<1 mg/kg	TM181		<1 #	<10 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		13.1 #	19.1 #	12.7 #	15.3 #	18.3 #	16.3 #
Zinc	<1.9 mg/kg	TM181		80.2 M	756 M	71.5 M	124 M	204 M	189 M

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	TPE2527	TPE2527	TPE2527	TPE2529	TPE2564	TPE2577
			Depth (m)	2.50	3.50	4.50	0.50	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10880152	10880157	10880161	10880020	10879608	10879612
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		13	16	19	11	23	17
Actinolite*	-	SUB (ASB)					Not Detected #		Not Detected #
Amosite*	-	SUB (ASB)					Detected #		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				3.4 #			
pH	1 pH Units	TM133		7.91 M	7.76 M	7.32 M	8.49 M	6.16 M	8.71 M
Arsenic	<0.6 mg/kg	TM181		29.9 M	14.9 M	36.8 M	32.5 M	20.2 M	24.5 M
Cadmium	<0.02 mg/kg	TM181		0.96 M	1.45 M	0.938 M	0.958 M	1.36 M	1.34 M
Chromium	<0.9 mg/kg	TM181		16.1 M	14.5 M	15.8 M	18.2 M	9.19 M	42 M
Copper	<1.4 mg/kg	TM181		73.5 M	49.3 M	83.8 M	106 M	54.5 M	97 M
Lead	<0.7 mg/kg	TM181		36.2 M	21.2 M	36.1 M	127 M	23 M	334 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	0.143 M
Nickel	<0.2 mg/kg	TM181		28.7 M	19.6 M	22 M	39.5 M	28.7 M	44 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		17.8 #	19.6 #	20 #	19 #	30.6 #	21.1 #
Zinc	<1.9 mg/kg	TM181		144 M	106 M	89.7 M	429 M	112 M	734 M

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	TPE2577	TPE2577	TPE2577	TPE2613	TPE2651	TPE2651
			Depth (m)	1.50	2.50	3.50	0.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10879617	10879621	10879626	10879579	10880125	10880130
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		12	10	12	13	21	24
Actinolite*	-	SUB (ASB)					Not Detected #	Not Detected #	
Amosite*	-	SUB (ASB)					Detected #	Not Detected #	
Anthophyllite*	-	SUB (ASB)					Not Detected #	Not Detected #	
Chrysotile*	-	SUB (ASB)					Not Detected #	Not Detected #	
Crocidolite*	-	SUB (ASB)					Not Detected #	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						82.2 #	
pH	1 pH Units	TM133		8.62 M	7.86 M	8.29 M	8.42 M	6.41 M	6.39 M
Arsenic	<0.6 mg/kg	TM181		26.8 M	24 M	37.6 M	96.2 M	59.1 M	28.9 M
Cadmium	<0.02 mg/kg	TM181		1.14 M	0.908 M	1.44 M	1.41 M	2.47 M	1.24 M
Chromium	<0.9 mg/kg	TM181		19.3 M	14.7 M	34.5 M	32.8 M	11.5 M	13.3 M
Copper	<1.4 mg/kg	TM181		75.5 M	40.4 M	91.1 M	1540 M	283 M	59.7 M
Lead	<0.7 mg/kg	TM181		169 M	34.4 M	298 M	323 M	1030 M	37.2 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	0.526 M	0.147 M	0.228 M
Nickel	<0.2 mg/kg	TM181		42 M	29 M	32.8 M	82.4 M	41.2 M	40.3 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		19 #	15.9 #	19.3 #	39.5 #	25.6 #	18 #
Zinc	<1.9 mg/kg	TM181		493 M	99 M	638 M	537 M	2560 M	162 M

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	TPE2651	TPE2651	TPE2654	TPE2666	TPE2666	TPE2666
			Depth (m)	2.50	3.30	0.50	0.50	1.50	2.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10880134	10880138	10879654	10879545	10879550	10879556
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		14	16	15	7.5	10	8.7
Actinolite*	-	SUB (ASB)				Not Detected #	Not Detected #		
Amosite*	-	SUB (ASB)				Detected #	Detected #		
Anthophyllite*	-	SUB (ASB)				Not Detected #	Not Detected #		
Chrysotile*	-	SUB (ASB)				Not 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 #		
pH	1 pH Units	TM133		5 M	5.89 M	5.9 M	8.85 M	8.22 M	7.83 M
Arsenic	<0.6 mg/kg	TM181		12.2 M	8.48 M	<6 M	17.1 M	15.4 M	11.5 M
Cadmium	<0.02 mg/kg	TM181		0.628 M	0.473 M	3.4 M	0.779 M	0.976 M	0.646 M
Chromium	<0.9 mg/kg	TM181		12.8 M	17.6 M	16.2 M	13.3 M	16.6 M	17.6 M
Copper	<1.4 mg/kg	TM181		22.8 M	18.4 M	107 M	50.1 M	39 M	25.7 M
Lead	<0.7 mg/kg	TM181		18.6 M	13.7 M	198 M	64 M	153 M	47.7 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	0.149 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		23.6 M	26.4 M	49.6 M	26.8 M	39.4 M	40.5 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<10 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		15.9 #	21 #	28.9 #	16.3 #	21.1 #	19.9 #
Zinc	<1.9 mg/kg	TM181		131 M	66.5 M	207 M	201 M	193 M	117 M

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	TPE2667	TPE2667	TPE2667	TPE2703	TPE2703	TPE2703
			Depth (m)	0.50	1.50	2.20	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10879593	10879597	10879602	10879631	10879636	10879640
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		10	12	8.1	26	24	12
Actinolite*	-	SUB (ASB)		Not Detected #			Not Detected #		
Amosite*	-	SUB (ASB)		Not Detected #			Not Detected #		
Anthophyllite*	-	SUB (ASB)		Not Detected #			Not Detected #		
Chrysotile*	-	SUB (ASB)		Not Detected #			Not 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				3.67 #		5.33 #	
pH	1 pH Units	TM133		7.37 M	5.08 M	6.96 M	7.6 M	6.01 M	6.76 M
Arsenic	<0.6 mg/kg	TM181		35.2 M	15.9 M	16.1 M	17.3 M	11.4 M	10.5 M
Cadmium	<0.02 mg/kg	TM181		0.888 M	0.695 M	0.789 M	0.856 M	0.758 M	0.67 M
Chromium	<0.9 mg/kg	TM181		14.1 M	15.5 M	16.7 M	10.5 M	18 M	14.4 M
Copper	<1.4 mg/kg	TM181		56.6 M	38.2 M	19.5 M	72.9 M	17.6 M	18.6 M
Lead	<0.7 mg/kg	TM181		103 M	29.3 M	20.2 M	42.4 M	20.9 M	15.5 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		32 M	28.4 M	54.8 M	27.5 M	25.7 M	27.6 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	1.53 #	1.15 #	<1 #
Vanadium	<0.2 mg/kg	TM181		18.8 #	17.2 #	16.6 #	24.6 #	22.1 #	16 #
Zinc	<1.9 mg/kg	TM181		243 M	126 M	98.4 M	98.7 M	99.1 M	67 M

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	TPE2703	TPE2715	TPE2715	TPE2715	TPE2716	TPE2716
			Depth (m)	3.40	0.50	1.50	2.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10879644	10879528	10879532	10879538	10879560	10879565
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		11	14	6.5	6.9	8.3	8.9
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			2 #			2.22 #	
pH	1 pH Units	TM133		6.88 M	9.14 M	8.64 M	9.61 M	9.7 M	9.35 M
Arsenic	<0.6 mg/kg	TM181		25.7 M	18.5 M	14.4 M	9.83 M	13.9 M	11.8 M
Cadmium	<0.02 mg/kg	TM181		1.07 M	0.7 M	0.525 M	0.429 M	0.47 M	0.495 M
Chromium	<0.9 mg/kg	TM181		13.5 M	17 M	11.2 M	13.2 M	18.3 M	14 M
Copper	<1.4 mg/kg	TM181		22.7 M	49.8 M	33.7 M	22.6 M	40.2 M	30.3 M
Lead	<0.7 mg/kg	TM181		28.4 M	79.9 M	47.4 M	27.3 M	44.3 M	30.2 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	0.167 M	<0.14 M	<0.14 M	<0.14 M	0.174 M
Nickel	<0.2 mg/kg	TM181		25.3 M	30.6 M	25.4 M	24.6 M	21 M	27.5 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		16.5 #	15.6 #	36.9 #	19.3 #	16.1 #	28.9 #
Zinc	<1.9 mg/kg	TM181		85.2 M	223 M	156 M	96.5 M	131 M	109 M

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	TPE2716	TPE2717	TPE2717	TPE2807	TPE2807	TPE2807
			Depth (m)	2.50	0.50	1.70	0.50	1.50	2.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10879571	10879583	10879588	10879660	10879664	10879668
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		7.3	8.1	18	24	14	13
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 #		Not 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 #		
pH	1 pH Units	TM133		8.57 M	8.98 M	7.88 M	7.49 M	5.35 M	5.65 M
Arsenic	<0.6 mg/kg	TM181		10.7 M	26.3 M	25.5 M	34.1 M	9.21 M	11.9 M
Cadmium	<0.02 mg/kg	TM181		0.539 M	0.902 M	1.4 M	2.52 M	0.561 M	0.772 M
Chromium	<0.9 mg/kg	TM181		15.7 M	13.6 M	17.3 M	10.3 M	16.6 M	12.5 M
Copper	<1.4 mg/kg	TM181		16.9 M	113 M	91.1 M	116 M	16.4 M	22.9 M
Lead	<0.7 mg/kg	TM181		18.1 M	151 M	133 M	576 M	16.2 M	60.6 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	0.161 M	0.155 M	0.663 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		31 M	34.2 M	35.3 M	41.1 M	23.5 M	25.2 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	1.16 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		21.3 #	15.3 #	23.2 #	22.3 #	18.8 #	15.4 #
Zinc	<1.9 mg/kg	TM181		77.1 M	359 M	335 M	805 M	59.6 M	135 M

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	IP0673	IP0673	IP0813	IP0813	IP0813	IP0814
			Depth (m)	1.00	2.00	1.00	2.00	3.00	1.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10880028	10880032	10879987	10879996	10880003	10879940
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		99.9	102	104	102	107	96.1
Acenaphthene-d10 % recovery**	%	TM218		98.7	103	104	102	104	94.3
Phenanthrene-d10 % recovery**	%	TM218		98.8	103	106	102	102	93.9
Chrysene-d12 % recovery**	%	TM218		87.9	94.8	101	92.8	95	82.4
Perylene-d12 % recovery**	%	TM218		86.3	98.2	117	94.2	90.4	79.3
Naphthalene	<9 µg/kg	TM218		18.6 @ M	16.4 @ M	12.9 @ M	16.7 @ M	45.9 M	20.7 @ 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	27.6 @ M	<10 @ M	<10 @ M	26.3 M	<10 @ M
Phenanthrene	<15 µg/kg	TM218		25.6 @ M	126 @ M	127 @ M	60.2 @ M	57.1 M	125 @ M
Anthracene	<16 µg/kg	TM218		<16 @ M	<16 @ M	<16 @ M	<16 @ M	<16 M	<16 @ M
Fluoranthene	<17 µg/kg	TM218		<17 @ M	<17 @ M	151 @ M	<17 @ M	30.5 M	36.7 @ M
Pyrene	<15 µg/kg	TM218		<15 @ M	26.8 @ M	114 @ M	<15 @ M	26 M	26.2 @ M
Benz(a)anthracene	<14 µg/kg	TM218		<14 @ M	20.7 @ M	80.4 @ M	<14 @ M	<14 M	<14 @ M
Chrysene	<10 µg/kg	TM218		20.5 @ M	45.4 @ M	104 @ M	25.5 @ M	28.6 M	57.6 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		38.8 @ M	43.3 @ M	187 @ M	22.4 @ M	45.6 M	109 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 @ M	<14 @ M	49.9 @ M	<14 @ M	<14 M	20.1 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 @ M	<15 @ M	69.5 @ M	<15 @ M	<15 M	<15 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 @ M	<18 @ M	46 @ M	<18 @ M	<18 M	<18 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 @ M	<23 @ M	<23 @ M	<23 @ M	<23 M	<23 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 @ M	<24 @ M	61.1 @ M	<24 @ M	<24 M	<24 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		<118	306	1000	125	260	395

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	IP0814	IP0814	IP1405	IP1405	IP1405	IP1567
			Depth (m)	2.00	3.00	0.50	2.50	4.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10879953	10879971	10879671	10879679	10879683	10879889
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		115	114	105	111	126	124
Acenaphthene-d10 % recovery**	%	TM218		110	109	104	108	126	126
Phenanthrene-d10 % recovery**	%	TM218		108	107	105	104	121	102
Chrysene-d12 % recovery**	%	TM218		102	97.5	107	92.9	113	80.2
Perylene-d12 % recovery**	%	TM218		100	91.9	122	89.6	107	71.9
Naphthalene	<9 µg/kg	TM218		<9 @ M	<9 @ M	4020 @ M	<9 M	29.8 M	55.6 @ M
Acenaphthylene	<12 µg/kg	TM218		<12 @ M	<12 @ M	230 @ M	<12 M	<12 M	<12 @ M
Acenaphthene	<8 µg/kg	TM218		<8 @ M	<8 @ M	1510 @ M	<8 M	19.6 M	<8 @ M
Fluorene	<10 µg/kg	TM218		<10 @ M	<10 @ M	1240 @ M	<10 M	<10 M	<10 @ M
Phenanthrene	<15 µg/kg	TM218		68.5 @ M	106 @ M	28100 @ M	<15 M	126 M	105 @ M
Anthracene	<16 µg/kg	TM218		<16 @ M	<16 @ M	3750 @ M	<16 M	<16 M	<16 @ M
Fluoranthene	<17 µg/kg	TM218		<17 @ M	29.5 @ M	52000 @ M	<17 M	68.4 M	62.2 @ M
Pyrene	<15 µg/kg	TM218		<15 @ M	19.1 @ M	43800 @ M	<15 M	103 M	51.5 @ M
Benz(a)anthracene	<14 µg/kg	TM218		<14 @ M	<14 @ M	28200 @ M	<14 M	66 M	33 @ M
Chrysene	<10 µg/kg	TM218		27.6 @ M	48 @ M	28200 @ M	<10 M	120 M	40.7 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		27 @ M	47.9 @ M	39400 @ M	<15 M	125 M	37.5 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 @ M	<14 @ M	15400 @ M	<14 M	<14 M	<14 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 @ M	<15 @ M	30900 @ M	<15 M	67.9 M	22.6 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 @ M	<18 @ M	18700 @ M	<18 M	29.2 M	<18 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 @ M	<23 @ M	5900 @ M	<23 M	<23 M	<23 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 @ M	<24 @ M	25100 @ M	<24 M	63.9 M	<24 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		123	251	326000	<118	819	407

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	IP1567	IP1567	IP1569	IP1569	IP1569	IP1573
			Depth (m)	2.00	3.50	0.50	2.00	3.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10879896	10879922	10879780	10879789	10879808	10879879
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		111	110	89.4	108	100	106
Acenaphthene-d10 % recovery**	%	TM218		111	110	90.7	102	101	106
Phenanthrene-d10 % recovery**	%	TM218		100	109	83.8	98.5	93.6	107
Chrysene-d12 % recovery**	%	TM218		84.7	104	76.7	87.1	87.8	112
Perylene-d12 % recovery**	%	TM218		79.6	108	63.2	81	93.7	125
Naphthalene	<9 µg/kg	TM218		2390 M	66.9 @ M	242 @ M	<9 #	271 @ M	768 @ M
Acenaphthylene	<12 µg/kg	TM218		493 M	<12 @ M	33.3 @ M	<12 #	<12 @ M	<12 @ M
Acenaphthene	<8 µg/kg	TM218		93.1 M	29.6 @ M	22.9 @ M	<8 #	11.6 @ M	800 @ M
Fluorene	<10 µg/kg	TM218		194 M	95.8 @ M	75.8 @ M	<10 #	<10 @ M	1920 @ M
Phenanthrene	<15 µg/kg	TM218		1070 M	304 @ M	405 @ M	43.3 #	174 @ M	2370 @ M
Anthracene	<16 µg/kg	TM218		179 M	62.6 @ M	106 @ M	<16 #	36.4 @ M	1000 @ M
Fluoranthene	<17 µg/kg	TM218		363 M	125 @ M	138 @ M	97.3 #	103 @ M	1740 @ M
Pyrene	<15 µg/kg	TM218		738 M	122 @ M	258 @ M	88.1 #	117 @ M	1840 @ M
Benz(a)anthracene	<14 µg/kg	TM218		143 M	98.7 @ M	135 @ M	30.2 #	89.3 @ M	782 @ M
Chrysene	<10 µg/kg	TM218		293 M	165 @ M	232 @ M	45.6 #	131 @ M	826 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		256 M	214 @ M	210 @ M	60.7 #	212 @ M	1370 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		73.7 M	<14 @ M	81.7 @ M	24.3 #	61.7 @ M	390 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		171 M	99 @ M	80.2 @ M	42.9 #	95 @ M	652 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		109 M	57.4 @ M	58.9 @ M	30 #	102 @ M	458 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		72.9 M	<23 @ M	39 @ M	<23 #	44.1 @ M	206 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		202 M	68 @ M	84.5 @ M	44.6 #	156 @ M	556 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		6840	1510	2200	507	1600	15700

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	IP1576	IP1576	IP1576	IP1962	IP1962	IP3430
			Depth (m)	0.50	2.00	3.50	0.50	1.50	1.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10879851	10879862	10879870	10880044	10880048	10880056
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		129	124	103	120	106	98.7
Acenaphthene-d10 % recovery**	%	TM218		129	122	110	117	99.8	95.7
Phenanthrene-d10 % recovery**	%	TM218		115	113	106	114	96.9	96.5
Chrysene-d12 % recovery**	%	TM218		89.1	85	99.9	109	84.5	83.7
Perylene-d12 % recovery**	%	TM218		63.8	68.5	113	113	78.6	78.5
Naphthalene	<9 µg/kg	TM218		290 @ M	1380 @ M	12900 @ M	112 M	<9 M	<9 @ M
Acenaphthylene	<12 µg/kg	TM218		24.7 @ M	<12 @ M	<12 @ M	47.1 M	<12 M	<12 @ M
Acenaphthene	<8 µg/kg	TM218		14.1 @ M	<8 @ M	11500 @ M	88.8 M	<8 M	<8 @ M
Fluorene	<10 µg/kg	TM218		53.3 @ M	830 @ M	23100 @ M	<10 M	<10 M	<10 @ M
Phenanthrene	<15 µg/kg	TM218		778 @ M	4890 @ M	133000 @ M	636 M	<15 M	166 @ M
Anthracene	<16 µg/kg	TM218		150 @ M	1140 @ M	34800 @ M	188 M	<16 M	<16 @ M
Fluoranthene	<17 µg/kg	TM218		134 @ M	653 @ M	12200 @ M	1630 M	<17 M	<17 @ M
Pyrene	<15 µg/kg	TM218		350 @ M	1400 @ M	26600 @ M	1290 M	<15 M	<15 @ M
Benz(a)anthracene	<14 µg/kg	TM218		103 @ M	498 @ M	10200 @ M	1360 M	<14 M	<14 @ M
Chrysene	<10 µg/kg	TM218		242 @ M	807 @ M	21200 @ M	1170 M	13.1 M	63.8 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		109 @ M	345 @ M	4240 @ M	2190 M	18 M	42 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 @ M	77.7 @ M	787 @ M	692 M	<14 M	<14 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		27.4 @ M	148 @ M	3210 @ M	1470 M	<15 M	<15 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 @ M	74.7 @ M	799 @ M	968 M	<18 M	<18 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 @ M	56.6 @ M	1120 @ M	338 M	<23 M	<23 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 @ M	98.2 @ M	1230 @ M	1130 M	<24 M	<24 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		2280	12400	297000	13300	<118	272

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	IP3431	IP3432	IP3436	IP3471	IP3471	IP3474
			Depth (m)	0.50	0.50	0.50	0.50	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10880052	10880060	10880074	10880083	10880087	10880078
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		113	111	107	101	114	98.9
Acenaphthene-d10 % recovery**	%	TM218		113	111	107	98.2	107	98.7
Phenanthrene-d10 % recovery**	%	TM218		113	111	107	97.6	106	99.1
Chrysene-d12 % recovery**	%	TM218		109	106	104	84.8	97.2	91.4
Perylene-d12 % recovery**	%	TM218		123	120	117	79.1	90.6	93.7
Naphthalene	<9 µg/kg	TM218		10.1 @ M	23.3 @ M	365 @ M	15 @ M	20.8 @ M	35.8 @ 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	9.79 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M
Fluorene	<10 µg/kg	TM218		<10 @ M	<10 @ M	32 @ M	<10 @ M	<10 @ M	<10 @ M
Phenanthrene	<15 µg/kg	TM218		170 @ M	204 @ M	315 @ M	175 @ M	272 @ M	504 @ M
Anthracene	<16 µg/kg	TM218		<16 @ M	18.9 @ M	<16 @ M	<16 @ M	<16 @ M	<16 @ M
Fluoranthene	<17 µg/kg	TM218		32.2 @ M	366 @ M	30.4 @ M	<17 @ M	38.5 @ M	131 @ M
Pyrene	<15 µg/kg	TM218		18.2 @ M	291 @ M	<15 @ M	<15 @ M	21.2 @ M	80.9 @ M
Benz(a)anthracene	<14 µg/kg	TM218		<14 @ M	206 @ M	<14 @ M	<14 @ M	<14 @ M	<14 @ M
Chrysene	<10 µg/kg	TM218		86.2 @ M	256 @ M	134 @ M	62.1 @ M	150 @ M	278 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		81.4 @ M	333 @ M	114 @ M	45 @ M	102 @ M	330 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 @ M	136 @ M	<14 @ M	<14 @ M	<14 @ M	47.2 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 @ M	260 @ M	<15 @ M	<15 @ M	<15 @ M	74.6 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 @ M	182 @ M	<18 @ M	<18 @ M	<18 @ M	61.9 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 @ M	56.8 @ M	<23 @ M	<23 @ M	<23 @ M	41.7 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 @ M	237 @ M	<24 @ M	<24 @ M	<24 @ M	67.5 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		399	2580	991	297	605	1650

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	IP3476	IP3476	IP3476	IP3476	TPE0593	TPE0593
			Depth (m)	1.00	2.00	3.00	4.00	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10880007	10880011	10880015	10880024	10879731	10879742
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		112	113	112	105	107	103
Acenaphthene-d10 % recovery**	%	TM218		110	108	108	105	104	98.4
Phenanthrene-d10 % recovery**	%	TM218		108	107	108	106	104	95.2
Chrysene-d12 % recovery**	%	TM218		103	106	104	103	110	84.6
Perylene-d12 % recovery**	%	TM218		104	105	100	100	108	79.2
Naphthalene	<9 µg/kg	TM218		53.1 M	57.5 @ M	367 @ M	234 M	295 @ M	<9 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 @ M	<12 @ M	<12 M	429 @ M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 @ M	<8 @ M	98.9 M	1930 @ M	<8 M
Fluorene	<10 µg/kg	TM218		<10 M	<10 @ M	669 @ M	445 M	1230 @ M	<10 M
Phenanthrene	<15 µg/kg	TM218		371 M	242 @ M	2020 @ M	1190 M	10500 @ M	38.4 M
Anthracene	<16 µg/kg	TM218		130 M	132 @ M	174 @ M	126 M	2200 @ M	<16 M
Fluoranthene	<17 µg/kg	TM218		64.6 M	73.6 @ M	155 @ M	78 M	29300 @ M	74 M
Pyrene	<15 µg/kg	TM218		94.8 M	145 @ M	137 @ M	79.8 M	25200 @ M	68.6 M
Benz(a)anthracene	<14 µg/kg	TM218		<14 M	<14 @ M	<14 @ M	<14 M	21300 @ M	31.3 M
Chrysene	<10 µg/kg	TM218		170 M	129 @ M	<10 @ M	291 M	26900 @ M	29.4 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		135 M	132 @ M	431 @ M	179 M	34000 @ M	41.3 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	22.9 @ M	<14 @ M	<14 M	13000 @ M	20.7 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	39 @ M	<15 @ M	<15 M	27700 @ M	33.8 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		22.8 M	43 @ M	23.7 @ M	<18 M	18300 @ M	22.4 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 @ M	47.3 @ M	<23 M	6440 @ M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		51.7 M	84.9 @ M	<24 @ M	<24 M	22300 @ M	34.3 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		1090	1100	4020	2720	241000	394

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	TPE0593	TPE0593	TPE0593	TPE0639	TPE0639	TPE0639
			Depth (m)	2.50	3.50	4.50	0.50	1.50	2.80
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10879752	10879760	10879770	10879689	10879704	10879714
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		98	106	98.2	121	108	122
Acenaphthene-d10 % recovery**	%	TM218		97.1	105	96.5	117	107	124
Phenanthrene-d10 % recovery**	%	TM218		94.8	101	94.3	116	103	118
Chrysene-d12 % recovery**	%	TM218		87.7	89.8	86.9	112	97.6	113
Perylene-d12 % recovery**	%	TM218		96.2	81.4	94.9	116	101	118
Naphthalene	<9 µg/kg	TM218		16.9 @ M	31 M	<9 @ M	477 M	73.6 #	<9 M
Acenaphthylene	<12 µg/kg	TM218		<12 @ M	<12 M	<12 @ M	475 M	<12 #	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 @ M	89.8 M	<8 @ M	3350 M	30.8 #	65.1 M
Fluorene	<10 µg/kg	TM218		<10 @ M	285 M	<10 @ M	2420 M	97.7 #	<10 M
Phenanthrene	<15 µg/kg	TM218		76.5 @ M	516 M	46.2 @ M	13100 M	411 #	<15 M
Anthracene	<16 µg/kg	TM218		<16 @ M	105 M	<16 @ M	2900 M	244 #	<16 M
Fluoranthene	<17 µg/kg	TM218		25.4 @ M	27.5 M	51.7 @ M	25200 M	397 #	<17 M
Pyrene	<15 µg/kg	TM218		<15 @ M	50.3 M	44.4 @ M	21000 M	408 #	176 M
Benz(a)anthracene	<14 µg/kg	TM218		<14 @ M	<14 M	21.1 @ M	17600 M	161 #	<14 M
Chrysene	<10 µg/kg	TM218		30.4 @ M	<10 M	58.4 @ M	15700 M	264 #	<10 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		26.5 @ M	<15 M	73.2 @ M	30700 M	338 #	43.4 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 @ M	<14 M	<14 @ M	11200 M	107 #	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 @ M	<15 M	18.3 @ M	22700 M	198 #	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 @ M	<18 M	<18 @ M	13500 M	124 #	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 @ M	<23 M	<23 @ M	4520 M	53.7 #	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 @ M	<24 M	<24 @ M	15900 M	195 #	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		176	1110	313	201000	3100	285

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	TPE0639	TPE0739	TPE0739	TPE0739	TPE0891	TPE0891
			Depth (m)	3.90	0.50	2.00	3.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10879721	10879822	10879830	10879841	10880036	10880040
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		106	128	106	103	103	94.4
Acenaphthene-d10 % recovery**	%	TM218		107	130	102	104	103	94.4
Phenanthrene-d10 % recovery**	%	TM218		107	109	98.5	96.3	103	92.6
Chrysene-d12 % recovery**	%	TM218		96.9	98.1	88	78.7	100	86.6
Perylene-d12 % recovery**	%	TM218		92.5	101	81.1	72.9	115	94.8
Naphthalene	<9 µg/kg	TM218		739 M	373 @ M	600 #	281 @ M	11.3 @ M	39.9 @ M
Acenaphthylene	<12 µg/kg	TM218		<12 M	79.9 @ M	81.2 #	66.8 @ M	<12 @ M	<12 @ M
Acenaphthene	<8 µg/kg	TM218		458 M	242 @ M	758 #	167 @ M	<8 @ M	25.3 @ M
Fluorene	<10 µg/kg	TM218		1630 M	189 @ M	447 #	131 @ M	<10 @ M	66.8 @ M
Phenanthrene	<15 µg/kg	TM218		1830 M	425 @ M	1460 #	743 @ M	132 @ M	244 @ M
Anthracene	<16 µg/kg	TM218		605 M	192 @ M	338 #	182 @ M	<16 @ M	35.8 @ M
Fluoranthene	<17 µg/kg	TM218		112 M	196 @ M	1130 #	1160 @ M	23.7 @ M	46 @ M
Pyrene	<15 µg/kg	TM218		119 M	346 @ M	982 #	1280 @ M	17.6 @ M	46.5 @ M
Benz(a)anthracene	<14 µg/kg	TM218		37.6 M	94.6 @ M	353 #	577 @ M	<14 @ M	<14 @ M
Chrysene	<10 µg/kg	TM218		83.3 M	143 @ M	413 #	1040 @ M	61 @ M	83.3 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		63.6 M	198 @ M	393 #	1460 @ M	66.4 @ M	86.2 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		23.5 M	111 @ M	194 #	586 @ M	<14 @ M	<14 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		30.9 M	127 @ M	346 #	1120 @ M	<15 @ M	17 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	91.6 @ M	183 #	633 @ M	<18 @ M	<18 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	43.1 @ M	55.9 #	281 @ M	<23 @ M	<23 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	140 @ M	318 #	849 @ M	<24 @ M	<24 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		5740	2990	8050	10600	312	690

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	TPE0959	TPE1300	TPE1300	TPE1300	TPE2394	TPE2394
			Depth (m)	0.50	0.50	1.00	2.00	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10880068	10880091	10880097	10880102	10880174	10880178
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		123	93.4	105	112	107	126
Acenaphthene-d10 % recovery**	%	TM218		120	92.7	105	110	104	123
Phenanthrene-d10 % recovery**	%	TM218		116	92.2	102	108	102	118
Chrysene-d12 % recovery**	%	TM218		116	82.3	92.7	104	101	106
Perylene-d12 % recovery**	%	TM218		103	83.3	90.4	103	91.3	102
Naphthalene	<9 µg/kg	TM218		231 @ M	52.5 @ M	259 @ M	93.7 @ M	761 @ M	<9 M
Acenaphthylene	<12 µg/kg	TM218		34.7 @ M	<12 @ M	<12 @ M	<12 @ M	116 @ M	<12 M
Acenaphthene	<8 µg/kg	TM218		60.1 @ M	<8 @ M	<8 @ M	<8 @ M	56.9 @ M	<8 M
Fluorene	<10 µg/kg	TM218		51.1 @ M	<10 @ M	85.6 @ M	<10 @ M	74.1 @ M	<10 M
Phenanthrene	<15 µg/kg	TM218		1310 @ M	598 @ M	899 @ M	136 @ M	1060 @ M	<15 M
Anthracene	<16 µg/kg	TM218		189 @ M	<16 @ M	<16 @ M	<16 @ M	338 @ M	<16 M
Fluoranthene	<17 µg/kg	TM218		2780 @ M	108 @ M	215 @ M	21.7 @ M	1530 @ M	<17 M
Pyrene	<15 µg/kg	TM218		2140 @ M	73.9 @ M	215 @ M	21.6 @ M	1150 @ M	<15 M
Benz(a)anthracene	<14 µg/kg	TM218		1300 @ M	<14 @ M	<14 @ M	<14 @ M	787 @ M	<14 M
Chrysene	<10 µg/kg	TM218		1830 @ M	253 @ M	404 @ M	55.6 @ M	1140 @ M	<10 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		2190 @ M	226 @ M	405 @ M	47.8 @ M	1190 @ M	<15 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		782 @ M	<14 @ M	<14 @ M	<14 @ M	454 @ M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		1420 @ M	40 @ M	104 @ M	<15 @ M	665 @ M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		948 @ M	33.5 @ M	149 @ M	<18 @ M	550 @ M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		298 @ M	26.9 @ M	45.2 @ M	<23 @ M	222 @ M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		1130 @ M	41.8 @ M	218 @ M	<24 @ M	660 @ M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		16700	1450	3000	377	10700	<118

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	TPE2475	TPE2475	TPE2477	TPE2477	TPE2493	TPE2493
			Depth (m)	0.50	1.50	0.40	1.20	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10880182	10880186	10880190	10880195	10880064	10880117
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		109	120	111	106	98.3	122
Acenaphthene-d10 % recovery**	%	TM218		112	118	122	100	97.7	122
Phenanthrene-d10 % recovery**	%	TM218		112	114	111	97	99.1	122
Chrysene-d12 % recovery**	%	TM218		116	104	102	84.4	90.9	117
Perylene-d12 % recovery**	%	TM218		103	103	116	77.9	92.5	116
Naphthalene	<9 µg/kg	TM218		1190 @ M	24.1 M	2210 @ M	<9 M	48 @ M	318 M
Acenaphthylene	<12 µg/kg	TM218		444 @ M	<12 M	311 @ M	<12 M	<12 @ M	<12 M
Acenaphthene	<8 µg/kg	TM218		541 @ M	21.1 M	69.9 @ M	<8 M	<8 @ M	271 M
Fluorene	<10 µg/kg	TM218		893 @ M	27.7 M	141 @ M	<10 M	26.6 @ M	660 M
Phenanthrene	<15 µg/kg	TM218		1330 @ M	120 M	1030 @ M	61.9 M	192 @ M	1060 M
Anthracene	<16 µg/kg	TM218		1070 @ M	34.6 M	391 @ M	<16 M	22.4 @ M	631 M
Fluoranthene	<17 µg/kg	TM218		1230 @ M	183 M	914 @ M	114 M	113 @ M	162 M
Pyrene	<15 µg/kg	TM218		1520 @ M	136 M	944 @ M	105 M	91.6 @ M	456 M
Benz(a)anthracene	<14 µg/kg	TM218		1050 @ M	50.3 M	458 @ M	38.4 M	59.1 @ M	95.8 M
Chrysene	<10 µg/kg	TM218		1530 @ M	71 M	692 @ M	58.9 M	96.2 @ M	263 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		1190 @ M	75.1 M	663 @ M	72.2 M	143 @ M	134 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		1030 @ M	30.8 M	367 @ M	28.6 M	31.6 @ M	49.9 M
Benzo(a)pyrene	<15 µg/kg	TM218		989 @ M	48.9 M	517 @ M	53.1 M	52 @ M	83.7 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		1010 @ M	35.5 M	544 @ M	32.4 M	32.6 @ M	55.7 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		859 @ M	<23 M	223 @ M	<23 M	<23 @ M	40.1 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		1190 @ M	50.7 M	869 @ M	46.7 M	45.7 @ M	90.8 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		17100	909	10300	611	954	4370

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	TPE2493	TPE2493	TPE2493	TPE2494	TPE2494	TPE2494
			Depth (m)	2.50	3.50	4.50	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10880171	10879519	10879515	10879649	10879696	10879799
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		101	101	116	100	100	100
Acenaphthene-d10 % recovery**	%	TM218		97.9	95.8	112	98	99.9	99.9
Phenanthrene-d10 % recovery**	%	TM218		96.7	93.4	111	97.6	98.4	99.1
Chrysene-d12 % recovery**	%	TM218		90.4	86.6	107	87.5	94.4	95.7
Perylene-d12 % recovery**	%	TM218		88.1	83.2	107	85.7	95.8	94.7
Naphthalene	<9 µg/kg	TM218		26.3 M	70.8 M	264 @ M	34.4 @ M	49.4 M	60.4 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 @ M	<12 @ M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		18.6 M	34.1 M	<8 @ M	<8 @ M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		20.2 M	66.8 M	<10 @ M	<10 @ M	34.6 M	40.7 M
Phenanthrene	<15 µg/kg	TM218		154 M	401 M	958 @ M	165 @ M	214 M	229 M
Anthracene	<16 µg/kg	TM218		20.1 M	67.1 M	979 @ M	<16 @ M	25.1 M	28.5 M
Fluoranthene	<17 µg/kg	TM218		138 M	361 M	1410 @ M	60.1 @ M	71.6 M	59.5 M
Pyrene	<15 µg/kg	TM218		118 M	414 M	998 @ M	49 @ M	75.8 M	79.9 M
Benz(a)anthracene	<14 µg/kg	TM218		45.1 M	197 M	762 @ M	35.4 @ M	37.8 M	34 M
Chrysene	<10 µg/kg	TM218		79.9 M	300 M	<10 @ M	69.2 @ M	126 M	150 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		67.8 M	316 M	1070 @ M	86.1 @ M	102 M	91.1 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		30.9 M	117 M	996 @ M	18.3 @ M	25.2 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		43.2 M	252 M	474 @ M	29.5 @ M	30.8 M	28 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		26 M	130 M	203 @ M	20.5 @ M	28.2 M	22 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	54.2 M	<23 @ M	<23 @ M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		34.4 M	160 M	239 @ M	26.8 @ M	39 M	33.5 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		822	2940	8350	594	858	857

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	TPE2494	TPE2501	TPE2501	TPE2501	TPE2514	TPE2514
			Depth (m)	3.50	0.50	1.50	2.70	0.50	1.70
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10879910	10880107	10880113	10880121	10880199	10880205
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		101	113	111	114	112	108
Acenaphthene-d10 % recovery**	%	TM218		101	138	108	114	110	104
Phenanthrene-d10 % recovery**	%	TM218		99.8	111	105	112	108	100
Chrysene-d12 % recovery**	%	TM218		95.9	104	103	109	99.9	90.3
Perylene-d12 % recovery**	%	TM218		94	119	101	110	95.1	83.5
Naphthalene	<9 µg/kg	TM218		47.3 M	688 @ M	224 M	350 @ M	6190 M	825 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	114 @ M	137 M	<12 @ M	91.4 M	61.8 M
Acenaphthene	<8 µg/kg	TM218		<8 M	112 @ M	73.8 M	438 @ M	2020 M	979 M
Fluorene	<10 µg/kg	TM218		21.7 M	193 @ M	69.5 M	543 @ M	1760 M	600 M
Phenanthrene	<15 µg/kg	TM218		218 M	2180 @ M	146 M	941 @ M	16800 M	1280 M
Anthracene	<16 µg/kg	TM218		<16 M	474 @ M	94.8 M	278 @ M	4200 M	332 M
Fluoranthene	<17 µg/kg	TM218		57.9 M	1670 @ M	150 M	589 @ M	18900 M	896 M
Pyrene	<15 µg/kg	TM218		57.9 M	1890 @ M	286 M	547 @ M	14600 M	748 M
Benz(a)anthracene	<14 µg/kg	TM218		35.3 M	1130 @ M	98.7 M	307 @ M	7640 M	280 M
Chrysene	<10 µg/kg	TM218		103 M	2090 @ M	59.2 M	277 @ M	6650 M	376 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		82.6 M	1250 @ M	113 M	321 @ M	7090 M	353 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		20.9 M	327 @ M	41 M	112 @ M	2860 M	154 M
Benzo(a)pyrene	<15 µg/kg	TM218		23 M	721 @ M	146 M	209 @ M	5510 M	261 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	387 @ M	103 M	102 @ M	2310 M	142 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	211 @ M	<23 M	39.1 @ M	729 M	41.6 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		28.4 M	598 @ M	165 M	118 @ M	2320 M	219 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		696	14000	1910	5170	99700	7550

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	TPE2516	TPE2516	TPE2516	TPE2527	TPE2527	TPE2527
			Depth (m)	0.30	1.50	2.50	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10880210	10880215	10879524	10880143	10880148	10880152
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		119	110	114	104	110	106
Acenaphthene-d10 % recovery**	%	TM218		127	107	114	102	106	100
Phenanthrene-d10 % recovery**	%	TM218		115	105	112	99.6	105	97.2
Chrysene-d12 % recovery**	%	TM218		111	108	111	103	102	85.1
Perylene-d12 % recovery**	%	TM218		123	107	114	98.2	104	79
Naphthalene	<9 µg/kg	TM218		411 @ M	546 M	559 @ M	50.6 @ M	31.5 @ M	<9 M
Acenaphthylene	<12 µg/kg	TM218		48.8 @ M	<12 M	<12 @ M	14.5 @ M	<12 @ M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 @ M	584 M	225 @ M	19.6 @ M	30.7 @ M	<8 M
Fluorene	<10 µg/kg	TM218		38.7 @ M	712 M	389 @ M	20.3 @ M	26.7 @ M	<10 M
Phenanthrene	<15 µg/kg	TM218		317 @ M	946 M	552 @ M	293 @ M	246 @ M	17.9 M
Anthracene	<16 µg/kg	TM218		102 @ M	379 M	214 @ M	60.7 @ M	58.4 @ M	<16 M
Fluoranthene	<17 µg/kg	TM218		325 @ M	329 M	137 @ M	560 @ M	425 @ M	34.4 M
Pyrene	<15 µg/kg	TM218		289 @ M	467 M	206 @ M	443 @ M	355 @ M	31.5 M
Benz(a)anthracene	<14 µg/kg	TM218		178 @ M	160 M	64.2 @ M	454 @ M	352 @ M	<14 M
Chrysene	<10 µg/kg	TM218		265 @ M	225 M	110 @ M	511 @ M	329 @ M	19.9 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		445 @ M	238 M	105 @ M	696 @ M	635 @ M	27.5 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		158 @ M	71.7 M	<14 @ M	267 @ M	200 @ M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		272 @ M	146 M	54.5 @ M	462 @ M	429 @ M	17.5 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		307 @ M	90.8 M	25.3 @ M	337 @ M	263 @ M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		101 @ M	36.6 M	<23 @ M	140 @ M	92.9 @ M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		418 @ M	131 M	38.8 @ M	411 @ M	323 @ M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		3680	5060	2680	4740	3800	149

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	TPE2527	TPE2527	TPE2529	TPE2564	TPE2577	TPE2577
			Depth (m)	3.50	4.50	0.50	1.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10880157	10880161	10880020	10879608	10879612	10879617
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		106	107	98.3	105	96.3	110
Acenaphthene-d10 % recovery**	%	TM218		107	108	97	111	95.4	110
Phenanthrene-d10 % recovery**	%	TM218		106	109	98.4	108	96.4	106
Chrysene-d12 % recovery**	%	TM218		101	101	88.9	112	88.1	104
Perylene-d12 % recovery**	%	TM218		97.9	105	89.2	121	87.8	103
Naphthalene	<9 µg/kg	TM218		<9 M	22.7 @ M	51.2 @ M	624 @ M	78 @ M	50.4 @ M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 @ M	34.3 @ M	<12 @ M	18.3 @ M	<12 @ M
Acenaphthene	<8 µg/kg	TM218		<8 M	17.8 @ M	12.3 @ M	115 @ M	72.8 @ M	15.2 @ M
Fluorene	<10 µg/kg	TM218		<10 M	16.1 @ M	26.4 @ M	190 @ M	61.9 @ M	14.8 @ M
Phenanthrene	<15 µg/kg	TM218		19 M	184 @ M	320 @ M	265 @ M	545 @ M	226 @ M
Anthracene	<16 µg/kg	TM218		<16 M	37.7 @ M	52.1 @ M	196 @ M	101 @ M	25.4 @ M
Fluoranthene	<17 µg/kg	TM218		<17 M	243 @ M	478 @ M	193 @ M	834 @ M	172 @ M
Pyrene	<15 µg/kg	TM218		<15 M	225 @ M	342 @ M	215 @ M	710 @ M	156 @ M
Benz(a)anthracene	<14 µg/kg	TM218		<14 M	122 @ M	316 @ M	76 @ M	536 @ M	138 @ M
Chrysene	<10 µg/kg	TM218		<10 M	198 @ M	319 @ M	<10 @ M	623 @ M	220 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		<15 M	218 @ M	581 @ M	128 @ M	1240 @ M	311 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	80.9 @ M	187 @ M	46.4 @ M	431 @ M	116 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	204 @ M	288 @ M	72.4 @ M	757 @ M	186 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	115 @ M	172 @ M	40 @ M	519 @ M	140 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	42.3 @ M	77.4 @ M	<23 @ M	181 @ M	54.8 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	157 @ M	203 @ M	68.2 @ M	705 @ M	177 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		<118	1880	3460	2230	7410	2000

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	TPE2577	TPE2577	TPE2613	TPE2651	TPE2651	TPE2651
			Depth (m)	2.50	3.50	0.50	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10879621	10879626	10879579	10880125	10880130	10880134
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		105	104	94.3	113	110	106
Acenaphthene-d10 % recovery**	%	TM218		103	103	93.3	113	124	107
Phenanthrene-d10 % recovery**	%	TM218		101	103	93.6	106	102	107
Chrysene-d12 % recovery**	%	TM218		94.6	98.2	81.4	91.4	97.3	97.8
Perylene-d12 % recovery**	%	TM218		91	96.2	76.5	92	108	99.8
Naphthalene	<9 µg/kg	TM218		20.5 M	371 M	22.8 @ M	6060 @ M	327 @ M	317 @ M
Acenaphthylene	<12 µg/kg	TM218		<12 M	19.9 M	<12 @ M	463 @ M	39.5 @ M	<12 @ M
Acenaphthene	<8 µg/kg	TM218		<8 M	304 M	<8 @ M	201 @ M	58.9 @ M	279 @ M
Fluorene	<10 µg/kg	TM218		<10 M	295 M	<10 @ M	304 @ M	112 @ M	298 @ M
Phenanthrene	<15 µg/kg	TM218		166 M	2010 M	45.1 @ M	2600 @ M	504 @ M	414 @ M
Anthracene	<16 µg/kg	TM218		<16 M	404 M	<16 @ M	621 @ M	58.5 @ M	113 @ M
Fluoranthene	<17 µg/kg	TM218		78.3 M	2390 M	34.9 @ M	1810 @ M	145 @ M	136 @ M
Pyrene	<15 µg/kg	TM218		67.2 M	1630 M	38.3 @ M	1500 @ M	160 @ M	207 @ M
Benz(a)anthracene	<14 µg/kg	TM218		33.5 M	1090 M	<14 @ M	788 @ M	73.1 @ M	58.1 @ M
Chrysene	<10 µg/kg	TM218		102 M	1060 M	25 @ M	933 @ M	171 @ M	75 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		86.6 M	1230 M	54.9 @ M	1530 @ M	115 @ M	66.5 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		27.3 M	528 M	16.4 @ M	398 @ M	34.1 @ M	23.2 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		39.4 M	939 M	<15 @ M	797 @ M	65.4 @ M	48.5 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		27.5 M	489 M	<18 @ M	661 @ M	53.8 @ M	<18 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	202 M	<23 @ M	204 @ M	<23 @ M	<23 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		43.3 M	581 M	<24 @ M	890 @ M	73.3 @ M	<24 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		693	13500	238	19800	1990	2040

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	TPE2651	TPE2654	TPE2666	TPE2666	TPE2666	TPE2667
			Depth (m)	3.30	0.50	0.50	1.50	2.60	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10880138	10879654	10879545	10879550	10879556	10879593
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		109	105	102	101	100	104
Acenaphthene-d10 % recovery**	%	TM218		108	103	101	99.9	97.4	103
Phenanthrene-d10 % recovery**	%	TM218		106	102	102	99.5	99.3	103
Chrysene-d12 % recovery**	%	TM218		109	81.6	101	96.1	95.1	108
Perylene-d12 % recovery**	%	TM218		107	75.5	115	95.2	99.6	104
Naphthalene	<9 µg/kg	TM218		464 M	869 @ M	95.5 @ M	24.3 M	23.7 @ M	179 @ M
Acenaphthylene	<12 µg/kg	TM218		<12 M	96.4 @ M	19.8 @ M	<12 M	<12 @ M	18.2 @ M
Acenaphthene	<8 µg/kg	TM218		413 M	36.2 @ M	55.4 @ M	<8 M	13.5 @ M	87.1 @ M
Fluorene	<10 µg/kg	TM218		564 M	67.4 @ M	76.6 @ M	<10 M	39.2 @ M	143 @ M
Phenanthrene	<15 µg/kg	TM218		760 M	854 @ M	314 @ M	120 M	164 @ M	431 @ M
Anthracene	<16 µg/kg	TM218		234 M	303 @ M	122 @ M	<16 M	42.2 @ M	218 @ M
Fluoranthene	<17 µg/kg	TM218		94.3 M	732 @ M	458 @ M	75.7 M	349 @ M	279 @ M
Pyrene	<15 µg/kg	TM218		212 M	544 @ M	501 @ M	92.9 M	449 @ M	422 @ M
Benz(a)anthracene	<14 µg/kg	TM218		28.4 M	256 @ M	381 @ M	44.5 M	233 @ M	231 @ M
Chrysene	<10 µg/kg	TM218		46.9 M	379 @ M	429 @ M	85.7 M	347 @ M	348 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		27.8 M	707 @ M	727 @ M	104 M	449 @ M	325 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	155 @ M	243 @ M	38.5 M	160 @ M	112 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		22.2 M	177 @ M	503 @ M	70.2 M	283 @ M	221 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	331 @ M	348 @ M	48.7 M	177 @ M	158 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	87.6 @ M	123 @ M	<23 M	67.1 @ M	59.3 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	467 @ M	433 @ M	71.2 M	205 @ M	197 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		2870	6060	4830	775	3000	3430

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	TPE2667	TPE2667	TPE2703	TPE2703	TPE2703	TPE2703
			Depth (m)	1.50	2.20	0.50	1.50	2.50	3.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10879597	10879602	10879631	10879636	10879640	10879644
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		107	103	116	126	112	103
Acenaphthene-d10 % recovery**	%	TM218		101	103	112	130	116	104
Phenanthrene-d10 % recovery**	%	TM218		97.4	103	108	127	112	104
Chrysene-d12 % recovery**	%	TM218		85.1	94.6	93.6	120	110	101
Perylene-d12 % recovery**	%	TM218		78.3	97	85.4	122	107	98.6
Naphthalene	<9 µg/kg	TM218		<9 M	42.2 @ M	625 M	1080 M	716 @ M	448 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	446 M	506 @ M	299 M
Fluorene	<10 µg/kg	TM218		<10 M	12.4 @ M	<10 M	680 M	576 @ M	412 M
Phenanthrene	<15 µg/kg	TM218		<15 M	263 @ M	222 M	922 M	759 @ M	466 M
Anthracene	<16 µg/kg	TM218		<16 M	22.4 @ M	32.4 M	248 M	295 @ M	220 M
Fluoranthene	<17 µg/kg	TM218		<17 M	112 @ M	84.7 M	154 M	171 @ M	130 M
Pyrene	<15 µg/kg	TM218		17.8 M	96.7 @ M	71 M	223 M	286 @ M	234 M
Benz(a)anthracene	<14 µg/kg	TM218		<14 M	43.3 @ M	<14 M	57.4 M	73.6 @ M	43.3 M
Chrysene	<10 µg/kg	TM218		<10 M	144 @ M	61.9 M	102 M	97.8 @ M	73.9 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		17 M	105 @ M	63.2 M	55 M	99.5 @ M	58.3 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	31.5 @ M	<14 M	<14 M	27 @ M	26 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	43.1 @ M	<15 M	29.6 M	55.5 @ M	35.4 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	25 @ M	<18 M	<18 M	32.5 @ M	27 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 @ M	<23 M	<23 M	<23 @ M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	31.4 @ M	<24 M	<24 M	46.7 @ M	36 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		<118	972	1160	3990	3740	2510

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	TPE2715	TPE2715	TPE2715	TPE2716	TPE2716	TPE2716
			Depth (m)	0.50	1.50	2.50	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10879528	10879532	10879538	10879560	10879565	10879571
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		107	101	98.9	106	101	100
Acenaphthene-d10 % recovery**	%	TM218		108	100	95.1	107	97.8	96.6
Phenanthrene-d10 % recovery**	%	TM218		108	98.8	97.6	106	100	98.7
Chrysene-d12 % recovery**	%	TM218		107	95	92.1	106	95.5	91.2
Perylene-d12 % recovery**	%	TM218		123	95.1	95.6	123	100	92.9
Naphthalene	<9 µg/kg	TM218		156 @ M	21.4 M	13.9 @ M	176 @ M	38 @ M	10.2 @ M
Acenaphthylene	<12 µg/kg	TM218		21.8 @ M	<12 M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
Acenaphthene	<8 µg/kg	TM218		155 @ M	10.4 M	<8 @ M	150 @ M	12 @ M	<8 @ M
Fluorene	<10 µg/kg	TM218		140 @ M	<10 M	<10 @ M	137 @ M	13.7 @ M	<10 @ M
Phenanthrene	<15 µg/kg	TM218		473 @ M	89.2 M	93.1 @ M	392 @ M	140 @ M	81.1 @ M
Anthracene	<16 µg/kg	TM218		236 @ M	17.8 M	58.1 @ M	219 @ M	27.5 @ M	<16 @ M
Fluoranthene	<17 µg/kg	TM218		761 @ M	120 M	103 @ M	602 @ M	163 @ M	40.9 @ M
Pyrene	<15 µg/kg	TM218		725 @ M	121 M	99 @ M	601 @ M	166 @ M	44.5 @ M
Benz(a)anthracene	<14 µg/kg	TM218		509 @ M	76.7 M	63.4 @ M	431 @ M	91.8 @ M	32.4 @ M
Chrysene	<10 µg/kg	TM218		535 @ M	83.6 M	94.2 @ M	446 @ M	138 @ M	41.9 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		790 @ M	118 M	136 @ M	728 @ M	186 @ M	41.6 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		233 @ M	46 M	45.7 @ M	196 @ M	68.3 @ M	<14 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		492 @ M	113 M	107 @ M	462 @ M	156 @ M	26 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		299 @ M	81.8 M	74.8 @ M	290 @ M	126 @ M	<18 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		115 @ M	25 M	26.1 @ M	111 @ M	41.7 @ M	<23 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		375 @ M	110 M	108 @ M	355 @ M	183 @ M	<24 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		6020	1030	1020	5300	1550	319

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	TPE2717	TPE2717	TPE2807	TPE2807	TPE2807
			Depth (m)	0.50	1.70	0.50	1.50	2.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10879583	10879588	10879660	10879664	10879668
			AGS Reference					
Naphthalene-d8 % recovery**	%	TM218		102	123	128	107	99.7
Acenaphthene-d10 % recovery**	%	TM218		102	121	126	108	101
Phenanthrene-d10 % recovery**	%	TM218		103	117	117	108	100
Chrysene-d12 % recovery**	%	TM218		102	114	97	108	97.9
Perylene-d12 % recovery**	%	TM218		119	116	84.6	125	96.1
Naphthalene	<9 µg/kg	TM218		75 @ M	171 @ M	272 M	16.1 @ M	256 M
Acenaphthylene	<12 µg/kg	TM218		15.1 @ M	18.3 @ M	34.6 M	<12 @ M	<12 M
Acenaphthene	<8 µg/kg	TM218		24.4 @ M	33.9 @ M	19.8 M	57.9 @ M	181 M
Fluorene	<10 µg/kg	TM218		36.8 @ M	49.6 @ M	<10 M	31.3 @ M	279 M
Phenanthrene	<15 µg/kg	TM218		245 @ M	394 @ M	315 M	65.1 @ M	480 M
Anthracene	<16 µg/kg	TM218		60.6 @ M	95.4 @ M	85.9 M	30.6 @ M	131 M
Fluoranthene	<17 µg/kg	TM218		331 @ M	601 @ M	309 M	20 @ M	71.1 M
Pyrene	<15 µg/kg	TM218		329 @ M	539 @ M	234 M	25 @ M	151 M
Benz(a)anthracene	<14 µg/kg	TM218		273 @ M	439 @ M	122 M	<14 @ M	34.2 M
Chrysene	<10 µg/kg	TM218		297 @ M	477 @ M	180 M	24.8 @ M	77.2 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		531 @ M	830 @ M	228 M	33 @ M	52.2 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		152 @ M	256 @ M	61.4 M	<14 @ M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		364 @ M	556 @ M	82 M	<15 @ M	20.7 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		270 @ M	394 @ M	55 M	<18 @ M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		95.6 @ M	133 @ M	<23 M	<23 @ M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		324 @ M	498 @ M	73.2 M	<24 @ M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		3430	5490	2070	304	1730

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	IP0673	IP0673	IP0813	IP0813	IP0813	IP0814
			Depth (m)	1.00	2.00	1.00	2.00	3.00	1.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10880028	10880032	10879987	10879996	10880003	10879940
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		100 @	37 @	80 @	77 @	84 @	87 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		4740 @ M	887 @ M	<176 @ M	989 @ M	20100 @ M	<176 @ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 @ M	<20 @ M	<20 @ M	<20 @ M	<20 @ M	<20 @ M
Benzene	<10 µg/kg	TM089		<40 @ M	<40 @ M	<40 @ M	<40 @ M	<40 @ M	<40 @ M
Toluene	<2 µg/kg	TM089		<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M
Ethylbenzene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<12 @ M	114 @ 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 @	114 @	<24 @
Aliphatics >C5-C6	<10 µg/kg	TM089		116 @	43.7 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C6-C8	<10 µg/kg	TM089		941 @	197 @	<40 @	52.2 @	264 @	<40 @
Aliphatics >C8-C10	<10 µg/kg	TM089		827 @	206 @	<40 @	171 @	3780 @	<40 @
Aliphatics >C10-C12	<10 µg/kg	TM089		1380 @	180 @	<40 @	371 @	8060 @	<40 @
Aliphatics >C12-C16	<100 µg/kg	TM173		3410	<100	539	<100	61000	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		537	<100	<100	<100	11700	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	<100	871	<100	<100	<100
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		3940	<100	1410	<100	72600	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC8-EC10	<10 µg/kg	TM089		551 @	138 @	<40 @	124 @	2640 @	<40 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		922 @	121 @	<40 @	247 @	5370 @	<40 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	<100	<100	12500	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	<100	<100	<100	3580	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	<100	2180	2460	226	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	<100	332	2130	<100	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		<100	<100	2510	4590	16300	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		8680	887	3920	5580	109000	<100

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	IP0814	IP0814	IP1405	IP1405	IP1405	IP1405
			Depth (m)	2.00	3.00	0.50	1.50	2.50	4.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10879953	10879971	10879671	10879675	10879679	10879683
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		82 @	83 @	92 @	63 @	79 @	104 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		435 @ M	598 @ M	6760 @ M	1340 @ M	2690000 @ M	988 @ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 @ M	<20 @ M	<20 @ M	<20 @ M	<100 @ M	<20 @ M
Benzene	<10 µg/kg	TM089		<40 @ M	<40 @ M	<40 @ M	<40 @ M	530 @ M	<40 @ M
Toluene	<2 µg/kg	TM089		<8 @ M	<8 @ M	30 @ M	<8 @ M	<40 @ M	<8 @ M
Ethylbenzene	<3 µg/kg	TM089		<12 @ M	<12 @ M	50.1 @ M	<12 @ M	<60 @ M	<12 @ M
m,p-Xylene	<6 µg/kg	TM089		<24 @ M	<24 @ M	100 @ M	<24 @ M	<120 @ M	<24 @ M
o-Xylene	<3 µg/kg	TM089		<12 @ M	<12 @ M	97.2 @ M	<12 @ M	<60 @ M	<12 @ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 @	<9 @	197 @	<9 @	<9 @	<9 @
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 @	<24 @	277 @	<24 @	530 @	<24 @
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 @	<40 @	242 @	42.3 @	15100 @	54.7 @
Aliphatics >C6-C8	<10 µg/kg	TM089		85.1 @	85.1 @	691 @	99.3 @	394000 @	117 @
Aliphatics >C8-C10	<10 µg/kg	TM089		132 @	143 @	1260 @	92 @	666000 @	176 @
Aliphatics >C10-C12	<10 µg/kg	TM089		50.4 @	139 @	2070 @	616 @	704000 @	305 @
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	73100	102000	2810000	348
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	431000	91300	1080000	19200
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	<100	1830000	161000	1180000	270000
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	606000	54200	257000	31200
Total Aliphatics >C12-C44	<100 µg/kg	TM173		<100	<100	2940000	409000	5330000	321000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	530 @	<40 @
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<200 @	<40 @
Aromatics >EC8-EC10	<10 µg/kg	TM089		88.5 @	95.2 @	1090 @	68.6 @	444000 @	127 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40 @	93 @	1380 @	410 @	469000 @	203 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	16000	518000	2100000	2180
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	<100	216000	558000	1220000	12100
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	<100	1380000	1070000	2100000	324000
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	<100	697000	189000	370000	83000
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	<100	281000	55100	103000	21100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		<100	<100	2310000	2330000	5790000	422000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		407	578	5250000	2740000	13800000	744000

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	IP1567	IP1567	IP1567	IP1569	IP1569	IP1569
			Depth (m)	0.50	2.00	3.50	0.50	2.00	3.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10879889	10879896	10879922	10879780	10879789	10879808
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		47 @	44 @	48 @	54 @	83 @	39 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 @ M	<176 @ M	<176 @ M	17800 @ M	5360 @ #	<176 @ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 @ M	<20 @ M	<20 @ M	52.5 @ M	<20 @ #	<20 @ M
Benzene	<10 µg/kg	TM089		<40 @ M	<40 @ M	<40 @ M	<40 @ M	<40 @ #	<40 @ M
Toluene	<2 µg/kg	TM089		<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ #	<8 @ M
Ethylbenzene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ #	<12 @ M
m,p-Xylene	<6 µg/kg	TM089		<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ #	<24 @ M
o-Xylene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ #	<12 @ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 @	<9 @	<9 @	<9 @	<9 @	<9 @
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 @	<24 @	<24 @	<24 @	<24 @	<24 @
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	216 @	158 @	<40 @
Aliphatics >C8-C10	<10 µg/kg	TM089		<40 @	<40 @	<40 @	2820 @	624 @	<40 @
Aliphatics >C10-C12	<10 µg/kg	TM089		<40 @	<40 @	<40 @	7680 @	2470 @	<40 @
Aliphatics >C12-C16	<100 µg/kg	TM173		9930	2890	14300	160000	72900	25600
Aliphatics >C16-C21	<100 µg/kg	TM173		16200	17000	21900	299000	174000	91900
Aliphatics >C21-C35	<100 µg/kg	TM173		34600	115000	32000	877000	283000	234000
Aliphatics >C35-C44	<100 µg/kg	TM173		18100	63700	12100	294000	135000	88500
Total Aliphatics >C12-C44	<100 µg/kg	TM173		78900	199000	80200	1630000	665000	440000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40 @	<40 @	<40 @	1880 @	420 @	<40 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40 @	<40 @	<40 @	5120 @	1650 @	<40 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	9630	<100	6710	8740	5930
Aromatics >EC16-EC21	<100 µg/kg	TM173		1280	128000	704	70300	65800	30700
Aromatics >EC21-EC35	<100 µg/kg	TM173		14200	615000	19200	363000	323000	255000
Aromatics >EC35-EC44	<100 µg/kg	TM173		12000	228000	15700	210000	238000	189000
Aromatics >EC40-EC44	<100 µg/kg	TM173		5000	88800	5560	89900	113000	80200
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		27500	981000	35600	650000	636000	480000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		106000	1180000	116000	2300000	1310000	920000

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	IP1573	IP1576	IP1576	IP1576	IP1962	IP1962
			Depth (m)	0.50	0.50	2.00	3.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10879879	10879851	10879862	10879870	10880044	10880048
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		35 @	95 @	65 @	56 @	114 @	80 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		74000 @ M	6190 @ M	31500 @ M	55800 @ M	<176 @ M	47300 @ 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	122 @ M	<40 @ M	<40 @ M
Toluene	<2 µg/kg	TM089		<8 @ M	<8 @ M	<8 @ M	76.5 @ M	<8 @ M	<8 @ M
Ethylbenzene	<3 µg/kg	TM089		<12 @ M	<12 @ M	15.5 @ M	235 @ M	<12 @ M	<12 @ M
m,p-Xylene	<6 µg/kg	TM089		<24 @ M	<24 @ M	<24 @ M	110 @ M	<24 @ M	<24 @ M
o-Xylene	<3 µg/kg	TM089		<12 @ M	23.2 @ M	68.4 @ M	420 @ M	<12 @ M	<12 @ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 @	23.2 @	68.4 @	530 @	<9 @	<9 @
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 @	<24 @	83.9 @	964 @	<24 @	<24 @
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 @	<40 @	96.8 @	171 @	<40 @	82.5 @
Aliphatics >C6-C8	<10 µg/kg	TM089		645 @	153 @	170 @	2420 @	<40 @	119 @
Aliphatics >C8-C10	<10 µg/kg	TM089		13700 @	401 @	2760 @	10100 @	<40 @	2760 @
Aliphatics >C10-C12	<10 µg/kg	TM089		30300 @	3170 @	15900 @	21200 @	<40 @	25500 @
Aliphatics >C12-C16	<100 µg/kg	TM173		1090000	167000	1020000	6010000	20800	432000
Aliphatics >C16-C21	<100 µg/kg	TM173		1000000	295000	931000	4920000	139000	252000
Aliphatics >C21-C35	<100 µg/kg	TM173		502000	351000	989000	4410000	372000	176000
Aliphatics >C35-C44	<100 µg/kg	TM173		135000	128000	415000	1810000	78400	10500
Total Aliphatics >C12-C44	<100 µg/kg	TM173		2730000	941000	3360000	17100000	610000	871000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 @	<40 @	<40 @	122 @	<40 @	<40 @
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	76.5 @	<40 @	<40 @
Aromatics >EC8-EC10	<10 µg/kg	TM089		9160 @	315 @	1940 @	7490 @	<40 @	1840 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		20200 @	2110 @	10600 @	14200 @	<40 @	17000 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		205000	7180	285000	1760000	1400	110000
Aromatics >EC16-EC21	<100 µg/kg	TM173		410000	45100	418000	2190000	28900	143000
Aromatics >EC21-EC35	<100 µg/kg	TM173		388000	162000	656000	2900000	256000	131000
Aromatics >EC35-EC44	<100 µg/kg	TM173		128000	74500	248000	1080000	130000	39900
Aromatics >EC40-EC44	<100 µg/kg	TM173		45500	28400	94200	435000	53800	17300
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		1130000	288000	1610000	7920000	416000	424000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		3940000	1240000	5000000	25100000	1030000	1340000

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	IP3430	IP3431	IP3432	IP3436	IP3471	IP3471
			Depth (m)	1.00	0.50	0.50	0.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10880056	10880052	10880060	10880074	10880083	10880087
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		72 @	71 @	74 @	84 @	87 @	78 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 @ M	<176 @ M	<176 @ M	10700 @ M	<176 @ M	<176 @ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 @ M	<20 @ M	<20 @ M	<100 @ M	<20 @ M	<20 @ M
Benzene	<10 µg/kg	TM089		<40 @ M	<40 @ M	<40 @ M	<200 @ M	<40 @ M	<40 @ M
Toluene	<2 µg/kg	TM089		<8 @ M	<8 @ M	<8 @ M	<40 @ M	<8 @ M	<8 @ M
Ethylbenzene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<60 @ M	<12 @ M	<12 @ M
m,p-Xylene	<6 µg/kg	TM089		<24 @ M	<24 @ M	<24 @ M	<120 @ M	<24 @ M	<24 @ M
o-Xylene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<60 @ 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 @	752 @	<40 @	<40 @
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	2700 @	<40 @	<40 @
Aliphatics >C8-C10	<10 µg/kg	TM089		<40 @	<40 @	<40 @	1260 @	<40 @	<40 @
Aliphatics >C10-C12	<10 µg/kg	TM089		<40 @	<40 @	<40 @	3030 @	<40 @	<40 @
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	12200	<100	5980	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	29300	475	2520	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		245	166000	5090	<100	<100	<100
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	111000	1130	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		245	318000	6690	8500	<100	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<200 @	<40 @	<40 @
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<200 @	<40 @	<40 @
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40 @	<40 @	<40 @	903 @	<40 @	<40 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40 @	<40 @	<40 @	2020 @	<40 @	<40 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	3110	<100	2700	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	13000	2490	<100	<100	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	159000	18300	<100	<100	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	168000	7890	842	<100	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	74200	2620	239	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		<100	343000	28700	3550	<100	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		245	661000	35400	22800	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	IP3474	IP3476	IP3476	IP3476	IP3476	TPE0593
			Depth (m)	0.50	1.00	2.00	3.00	4.00	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10880078	10880007	10880011	10880015	10880024	10879731
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		74 @	76 @	70 @	83 @	64 @	64 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		459 @ M	<176 @ M	542 @ M	114000 @ M	96300 @ M	332 @ 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		110 @ 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		110 @	<24 @	<24 @	<24 @	<24 @	<24 @
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 @	<40 @	<40 @	59.4 @	47.2 @	<40 @
Aliphatics >C6-C8	<10 µg/kg	TM089		54.3 @	<40 @	64.9 @	9280 @	7750 @	72.5 @
Aliphatics >C8-C10	<10 µg/kg	TM089		79.1 @	<40 @	177 @	38200 @	24400 @	81.7 @
Aliphatics >C10-C12	<10 µg/kg	TM089		82.6 @	<40 @	95.7 @	24300 @	28500 @	58.7 @
Aliphatics >C12-C16	<100 µg/kg	TM173		4240	29500	33600	303000	405000	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		1110	235000	177000	287000	363000	276
Aliphatics >C21-C35	<100 µg/kg	TM173		4770	121000	102000	111000	101000	585
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	8380	3940	6270	3960	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		10100	393000	316000	707000	874000	861
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC7-EC8	<10 µg/kg	TM089		110 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC8-EC10	<10 µg/kg	TM089		56.6 @	<40 @	127 @	25500 @	16200 @	62.1 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		55.5 @	<40 @	63.8 @	16200 @	19000 @	<40 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	1110	1770	133000	28000	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		1920	24600	42100	217000	107000	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		13200	55400	64200	71800	45500	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173		5480	10100	9540	13300	7520	1100
Aromatics >EC40-EC44	<100 µg/kg	TM173		2390	3750	3280	6280	3090	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		20500	91200	118000	434000	188000	1100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		31100	485000	434000	1260000	1160000	2290

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	TPE0593	TPE0593	TPE0593	TPE0593	TPE0639	TPE0639
			Depth (m)	1.50	2.50	3.50	4.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10879742	10879752	10879760	10879770	10879689	10879704
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		79 @	83 @	81 @	70 @	80 @	53 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		32200 @ M	<176 @ M	<176 @ M	7770 @ M	<176 @ M	<176 @ #
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 @ M	<20 @ M	<20 @ M	<20 @ M	<20 @ M	<20 @ #
Benzene	<10 µg/kg	TM089		<40 @ M	<40 @ M	<40 @ M	<40 @ M	<40 @ M	<40 @ #
Toluene	<2 µg/kg	TM089		<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ #
Ethylbenzene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ #
m,p-Xylene	<6 µg/kg	TM089		<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ #
o-Xylene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ #
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 @	<9 @	<9 @	<9 @	<9 @	<9 @
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 @	<24 @	<24 @	<24 @	<24 @	<24 @
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	103 @	<40 @	<40 @
Aliphatics >C8-C10	<10 µg/kg	TM089		1320 @	<40 @	<40 @	806 @	<40 @	<40 @
Aliphatics >C10-C12	<10 µg/kg	TM089		18000 @	<40 @	<40 @	3790 @	<40 @	<40 @
Aliphatics >C12-C16	<100 µg/kg	TM173		37200	1690	<100	38900	10300	18200
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	<100	<100	32000	71600
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	<100	<100	<100	185000	315000
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	<100	<100	241000	132000
Total Aliphatics >C12-C44	<100 µg/kg	TM173		37200	1690	<100	38900	469000	536000
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		880 @	<40 @	<40 @	537 @	<40 @	<40 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		12000 @	<40 @	<40 @	2520 @	<40 @	<40 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		18700	<100	<100	12400	21500	10500
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	<100	<100	1440	181000	49900
Aromatics >EC21-EC35	<100 µg/kg	TM173		596	1270	23900	14900	760000	498000
Aromatics >EC35-EC44	<100 µg/kg	TM173		757	1500	1390	7170	495000	377000
Aromatics >EC40-EC44	<100 µg/kg	TM173		787	979	552	3410	196000	155000
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		20100	2780	25300	36000	1460000	935000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		89400	4460	25300	82600	1930000	1470000

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	TPE0639	TPE0639	TPE0739	TPE0739	TPE0739	TPE0891
			Depth (m)	2.80	3.90	0.50	2.00	3.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10879714	10879721	10879822	10879830	10879841	10880036
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		118 @	114 @	54 @	74 @	44 @	71 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		13400 @ M	217000 @ M	7220 @ M	28100 @ #	22300 @ M	<176 @ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 @ M	<20 @ M	<20 @ M	<100 @ #	<20 @ M	<20 @ M
Benzene	<10 µg/kg	TM089		<40 @ M	71 @ M	<40 @ M	<200 @ #	<40 @ M	<40 @ M
Toluene	<2 µg/kg	TM089		<8 @ M	<8 @ M	<8 @ M	<40 @ #	<8 @ M	<8 @ M
Ethylbenzene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<60 @ #	<12 @ M	<12 @ M
m,p-Xylene	<6 µg/kg	TM089		<24 @ M	<24 @ M	<24 @ M	<120 @ #	<24 @ M	<24 @ M
o-Xylene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	2670 @ #	<12 @ M	<12 @ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 @	<9 @	<9 @	2670 @	<9 @	<9 @
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 @	71 @	<24 @	2670 @	<24 @	<24 @
Aliphatics >C5-C6	<10 µg/kg	TM089		72 @	2540 @	<40 @	<200 @	93.6 @	<40 @
Aliphatics >C6-C8	<10 µg/kg	TM089		1410 @	23700 @	86.9 @	<200 @	186 @	<40 @
Aliphatics >C8-C10	<10 µg/kg	TM089		2380 @	48300 @	486 @	<200 @	1940 @	<40 @
Aliphatics >C10-C12	<10 µg/kg	TM089		4690 @	66300 @	3780 @	15200 @	11300 @	<40 @
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	2360000	485000	732000	319000	566
Aliphatics >C16-C21	<100 µg/kg	TM173		848	1540000	726000	1330000	326000	3520
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	112000	972000	1590000	537000	15900
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	16100	227000	401000	217000	8180
Total Aliphatics >C12-C44	<100 µg/kg	TM173		848	4030000	2410000	4060000	1400000	28100
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 @	71 @	<40 @	<200 @	<40 @	<40 @
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<200 @	<40 @	<40 @
Aromatics >EC8-EC10	<10 µg/kg	TM089		1590 @	32200 @	324 @	2670 @	1290 @	<40 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		3130 @	44200 @	2520 @	10100 @	7530 @	<40 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	193000	13500	74300	35800	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	295000	110000	366000	154000	328
Aromatics >EC21-EC35	<100 µg/kg	TM173		4470	76200	373000	1360000	553000	6610
Aromatics >EC35-EC44	<100 µg/kg	TM173		1840	28200	173000	651000	293000	6670
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	10300	67500	262000	120000	2490
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		6310	592000	669000	2450000	1040000	13600
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		20400	4840000	3090000	6540000	2460000	41700

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	TPE0891	TPE0959	TPE1300	TPE1300	TPE1300	TPE2394
			Depth (m)	1.50	0.50	0.50	1.00	2.00	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10880040	10880068	10880091	10880097	10880102	10880174
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		79 @	68 @	83 @	73 @	91 @	82 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		1140 @ M	<176 @ M	<176 @ M	178000 @ M	236000 @ M	262 @ 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	152 @ 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	287 @ 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 @	152 @	287 @	<24 @
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 @	<40 @	<40 @	484 @	70.4 @	<40 @
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	35100 @	12700 @	48 @
Aliphatics >C8-C10	<10 µg/kg	TM089		151 @	<40 @	<40 @	75300 @	68000 @	50.4 @
Aliphatics >C10-C12	<10 µg/kg	TM089		509 @	<40 @	<40 @	9830 @	66000 @	<40 @
Aliphatics >C12-C16	<100 µg/kg	TM173		65900	4800	5990	94200	32800	12900
Aliphatics >C16-C21	<100 µg/kg	TM173		83700	9120	36200	356000	66700	141000
Aliphatics >C21-C35	<100 µg/kg	TM173		43000	26900	16300	280000	36200	730000
Aliphatics >C35-C44	<100 µg/kg	TM173		4040	11600	<100	35800	7010	291000
Total Aliphatics >C12-C44	<100 µg/kg	TM173		197000	52400	58500	766000	143000	1180000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 @	<40 @	<40 @	152 @	<40 @	<40 @
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC8-EC10	<10 µg/kg	TM089		101 @	<40 @	<40 @	50200 @	45600 @	56.6 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		339 @	<40 @	<40 @	6550 @	44000 @	<40 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		3230	<100	3240	13800	6160	4720
Aromatics >EC16-EC21	<100 µg/kg	TM173		18100	4730	18400	97400	24700	45900
Aromatics >EC21-EC35	<100 µg/kg	TM173		17600	30300	18400	166000	24900	483000
Aromatics >EC35-EC44	<100 µg/kg	TM173		7250	12700	<100	36200	17500	236000
Aromatics >EC40-EC44	<100 µg/kg	TM173		2580	4860	<100	14100	9160	96100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		46100	47700	40100	313000	73100	770000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		244000	100000	98600	1260000	452000	1950000

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	TPE2394	TPE2475	TPE2475	TPE2477	TPE2477	TPE2493
			Depth (m)	1.50	0.50	1.50	0.40	1.20	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10880178	10880182	10880186	10880190	10880195	10880064
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		101 @	87 @	102 @	45 @	101 @	75 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		1540000 @ M	486000 @ M	1580000 @ M	<176 @ M	1560000 @ M	1260 @ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		2190 @ M	<50 @ M	211 @ M	<20 @ M	143 @ M	<20 @ M
Benzene	<10 µg/kg	TM089		368 @ M	<100 @ M	<200 @ M	<40 @ M	<200 @ M	<40 @ M
Toluene	<2 µg/kg	TM089		<40 @ M	<20 @ M	<40 @ M	<8 @ M	<40 @ M	<8 @ M
Ethylbenzene	<3 µg/kg	TM089		<60 @ M	<30 @ M	<60 @ M	<12 @ M	<60 @ M	<12 @ M
m,p-Xylene	<6 µg/kg	TM089		<120 @ M	<60 @ M	<120 @ M	<24 @ M	<120 @ M	<24 @ M
o-Xylene	<3 µg/kg	TM089		<60 @ M	<30 @ M	<60 @ M	<12 @ M	<60 @ 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		368 @	<24 @	<24 @	<24 @	<24 @	<24 @
Aliphatics >C5-C6	<10 µg/kg	TM089		803 @	395 @	703 @	<40 @	620 @	62.7 @
Aliphatics >C6-C8	<10 µg/kg	TM089		160000 @	12800 @	45700 @	<40 @	57200 @	109 @
Aliphatics >C8-C10	<10 µg/kg	TM089		468000 @	139000 @	428000 @	<40 @	452000 @	99 @
Aliphatics >C10-C12	<10 µg/kg	TM089		359000 @	145000 @	493000 @	<40 @	447000 @	556 @
Aliphatics >C12-C16	<100 µg/kg	TM173		3510000	1230000	2530000	199000	1790000	41700
Aliphatics >C16-C21	<100 µg/kg	TM173		1050000	992000	184000	390000	334000	94100
Aliphatics >C21-C35	<100 µg/kg	TM173		999000	4550000	175000	1500000	606000	209000
Aliphatics >C35-C44	<100 µg/kg	TM173		199000	1420000	47300	476000	90200	57900
Total Aliphatics >C12-C44	<100 µg/kg	TM173		5750000	8190000	2940000	2560000	2820000	403000
Aromatics >EC5-EC7	<10 µg/kg	TM089		368 @	<100 @	<200 @	<40 @	<200 @	<40 @
Aromatics >EC7-EC8	<10 µg/kg	TM089		<200 @	<100 @	<200 @	<40 @	<200 @	<40 @
Aromatics >EC8-EC10	<10 µg/kg	TM089		312000 @	92500 @	285000 @	<40 @	301000 @	66 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		239000 @	96700 @	329000 @	<40 @	298000 @	371 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		231000	34600	290000	23500	361000	2260
Aromatics >EC16-EC21	<100 µg/kg	TM173		245000	253000	55500	118000	108000	18100
Aromatics >EC21-EC35	<100 µg/kg	TM173		678000	2000000	99700	1320000	325000	121000
Aromatics >EC35-EC44	<100 µg/kg	TM173		471000	1180000	38400	768000	62500	47900
Aromatics >EC40-EC44	<100 µg/kg	TM173		141000	488000	16000	320000	23600	19800
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		1630000	3460000	484000	2230000	856000	189000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		8920000	12100000	5000000	4790000	5230000	593000

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	TPE2493	TPE2493	TPE2493	TPE2493	TPE2494	TPE2494
			Depth (m)	1.50	2.50	3.50	4.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10880117	10880171	10879519	10879515	10879649	10879696
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		109 @	113 @	81 @	123 @	82 @	76 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 @ M	6310 @ M	3290 @ M	32100 @ M	<176 @ M	<176 @ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 @ M	<20 @ M	<20 @ M	<20 @ M	<20 @ M	<20 @ M
Benzene	<10 µg/kg	TM089		<40 @ M	<40 @ M	<40 @ M	<40 @ M	<40 @ M	<40 @ M
Toluene	<2 µg/kg	TM089		<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M
Ethylbenzene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
m,p-Xylene	<6 µg/kg	TM089		<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M
o-Xylene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 @	<9 @	<9 @	<9 @	<9 @	<9 @
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 @	<24 @	<24 @	<24 @	<24 @	<24 @
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 @	118 @	72 @	182 @	<40 @	<40 @
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 @	381 @	402 @	2210 @	<40 @	<40 @
Aliphatics >C8-C10	<10 µg/kg	TM089		<40 @	1200 @	712 @	6510 @	<40 @	<40 @
Aliphatics >C10-C12	<10 µg/kg	TM089		<40 @	2290 @	975 @	11300 @	<40 @	<40 @
Aliphatics >C12-C16	<100 µg/kg	TM173		964000	2000	104000	207000	<100	20400
Aliphatics >C16-C21	<100 µg/kg	TM173		1330000	6480	189000	269000	4460	50800
Aliphatics >C21-C35	<100 µg/kg	TM173		1500000	12600	497000	468000	26400	91400
Aliphatics >C35-C44	<100 µg/kg	TM173		155000	1710	58000	134000	8660	32000
Total Aliphatics >C12-C44	<100 µg/kg	TM173		3960000	22800	847000	1080000	39500	195000
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 @	801 @	474 @	4340 @	<40 @	<40 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40 @	1520 @	650 @	7530 @	<40 @	<40 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		186000	<100	27700	24900	<100	4250
Aromatics >EC16-EC21	<100 µg/kg	TM173		404000	2300	108000	91800	21500	20800
Aromatics >EC21-EC35	<100 µg/kg	TM173		839000	11800	358000	299000	<100	78500
Aromatics >EC35-EC44	<100 µg/kg	TM173		130000	5310	61100	113000	11500	40100
Aromatics >EC40-EC44	<100 µg/kg	TM173		43300	2920	25200	46000	4660	16700
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		1560000	19400	555000	529000	33100	144000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		5520000	48500	1410000	1640000	72600	338000

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	TPE2494	TPE2494	TPE2501	TPE2501	TPE2501	TPE2514
			Depth (m)	2.50	3.50	0.50	1.50	2.70	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10879799	10879910	10880107	10880113	10880121	10880199
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		76 @	71 @	79 @	73 @	97 @	58 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 @ M	415 @ M	17200 @ M	2630 @ M	1270000 @ M	81000 @ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 @ M	<20 @ M	<100 @ M	<20 @ M	333 @ M	<20 @ M
Benzene	<10 µg/kg	TM089		<40 @ M	<40 @ M	<200 @ M	<40 @ M	<200 @ M	<40 @ M
Toluene	<2 µg/kg	TM089		<8 @ M	<8 @ M	60.8 @ M	<8 @ M	<40 @ M	<8 @ M
Ethylbenzene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<60 @ M	<12 @ M	<60 @ M	<12 @ M
m,p-Xylene	<6 µg/kg	TM089		<24 @ M	<24 @ M	<120 @ M	<24 @ M	<120 @ M	<24 @ M
o-Xylene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<60 @ M	<12 @ M	<60 @ 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 @	60.8 @	<24 @	<24 @	<24 @
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 @	<40 @	<200 @	<40 @	207 @	109 @
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 @	66 @	387 @	73.7 @	121000 @	1770 @
Aliphatics >C8-C10	<10 µg/kg	TM089		<40 @	131 @	2830 @	310 @	386000 @	18500 @
Aliphatics >C10-C12	<10 µg/kg	TM089		<40 @	71.5 @	7050 @	1220 @	305000 @	29000 @
Aliphatics >C12-C16	<100 µg/kg	TM173		21900	14900	72000	258000	466000	47900
Aliphatics >C16-C21	<100 µg/kg	TM173		50800	34700	172000	137000	133000	88900
Aliphatics >C21-C35	<100 µg/kg	TM173		101000	69900	287000	134000	91800	541000
Aliphatics >C35-C44	<100 µg/kg	TM173		33800	18700	77900	23700	14700	183000
Total Aliphatics >C12-C44	<100 µg/kg	TM173		207000	138000	610000	553000	706000	861000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 @	<40 @	<200 @	<40 @	<200 @	<40 @
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 @	<40 @	<200 @	<40 @	<200 @	<40 @
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40 @	88 @	2080 @	207 @	257000 @	12300 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40 @	47.3 @	4700 @	813 @	203000 @	19300 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		2070	2000	9050	9000	35000	5170
Aromatics >EC16-EC21	<100 µg/kg	TM173		12500	8300	70100	42300	50500	25800
Aromatics >EC21-EC35	<100 µg/kg	TM173		57800	36200	369000	118000	73700	342000
Aromatics >EC35-EC44	<100 µg/kg	TM173		27100	18200	98100	51100	29300	168000
Aromatics >EC40-EC44	<100 µg/kg	TM173		10400	7540	37200	19800	12400	65300
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		99500	64700	547000	220000	188000	541000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		307000	203000	1170000	776000	2170000	1480000

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	TPE2514	TPE2516	TPE2516	TPE2516	TPE2527	TPE2527
			Depth (m)	1.70	0.30	1.50	2.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10880205	10880210	10880215	10879524	10880143	10880148
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		105 @	59 @	100 @	159 @	67 @	74 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		992000 @ M	7080 @ M	596000 @ M	1380000 @ M	<176 @ M	854 @ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<100 @ M	<20 @ M	544 @ M	1500 @ M	<20 @ M	<20 @ M
Benzene	<10 µg/kg	TM089		<200 @ M	<40 @ M	<200 @ M	<200 @ M	<40 @ M	<40 @ M
Toluene	<2 µg/kg	TM089		<40 @ M	11.8 @ M	<40 @ M	<40 @ M	<8 @ M	<8 @ M
Ethylbenzene	<3 µg/kg	TM089		<60 @ M	<12 @ M	<60 @ M	<60 @ M	<12 @ M	<12 @ M
m,p-Xylene	<6 µg/kg	TM089		<120 @ M	<24 @ M	<120 @ M	<120 @ M	<24 @ M	<24 @ M
o-Xylene	<3 µg/kg	TM089		<60 @ M	21 @ M	<60 @ M	<60 @ M	<12 @ M	<12 @ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 @	21 @	<9 @	<9 @	<9 @	<9 @
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 @	32.8 @	<24 @	<24 @	<24 @	<24 @
Aliphatics >C5-C6	<10 µg/kg	TM089		547 @	41.9 @	392 @	1360 @	<40 @	<40 @
Aliphatics >C6-C8	<10 µg/kg	TM089		10500 @	221 @	104000 @	259000 @	<40 @	67.7 @
Aliphatics >C8-C10	<10 µg/kg	TM089		223000 @	1170 @	180000 @	356000 @	<40 @	158 @
Aliphatics >C10-C12	<10 µg/kg	TM089		366000 @	2890 @	115000 @	316000 @	<40 @	294 @
Aliphatics >C12-C16	<100 µg/kg	TM173		2010000	58000	692000	1070000	485	1380
Aliphatics >C16-C21	<100 µg/kg	TM173		450000	169000	517000	870000	7340	13200
Aliphatics >C21-C35	<100 µg/kg	TM173		144000	512000	973000	1080000	42000	50800
Aliphatics >C35-C44	<100 µg/kg	TM173		23400	191000	217000	182000	14900	17400
Total Aliphatics >C12-C44	<100 µg/kg	TM173		2630000	930000	2400000	3200000	64700	82700
Aromatics >EC5-EC7	<10 µg/kg	TM089		<200 @	<40 @	<200 @	<200 @	<40 @	<40 @
Aromatics >EC7-EC8	<10 µg/kg	TM089		<200 @	<40 @	<200 @	<200 @	<40 @	<40 @
Aromatics >EC8-EC10	<10 µg/kg	TM089		149000 @	816 @	120000 @	237000 @	<40 @	117 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		244000 @	1920 @	76500 @	211000 @	<40 @	196 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		52300	3110	88500	39800	<100	2600
Aromatics >EC16-EC21	<100 µg/kg	TM173		83500	19500	239000	122000	4530	8250
Aromatics >EC21-EC35	<100 µg/kg	TM173		53800	264000	519000	293000	41300	55400
Aromatics >EC35-EC44	<100 µg/kg	TM173		16800	195000	179000	76100	25100	33500
Aromatics >EC40-EC44	<100 µg/kg	TM173		6030	84900	69900	28600	10000	15000
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		206000	482000	1030000	531000	70900	99700
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		3820000	1420000	4020000	5120000	136000	183000

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	TPE2527	TPE2527	TPE2527	TPE2529	TPE2564	TPE2577
			Depth (m)	2.50	3.50	4.50	0.50	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10880152	10880157	10880161	10880020	10879608	10879612
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		70 @	116 @	80 @	78 @	32 @	88 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 @ M	<176 @ M	<176 @ M	<176 @ M	113000 @ M	646 @ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 @ M	<20 @ M	<20 @ M	<20 @ M	<20 @ M	<20 @ M
Benzene	<10 µg/kg	TM089		<40 @ M	<40 @ M	<40 @ M	<40 @ M	<40 @ M	<40 @ M
Toluene	<2 µg/kg	TM089		<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M
Ethylbenzene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
m,p-Xylene	<6 µg/kg	TM089		<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M
o-Xylene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 @	<9 @	<9 @	<9 @	<9 @	<9 @
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 @	<24 @	<24 @	<24 @	<24 @	<24 @
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	2590 @	127 @
Aliphatics >C8-C10	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	24500 @	148 @
Aliphatics >C10-C12	<10 µg/kg	TM089		50.6 @	<40 @	<40 @	<40 @	41400 @	136 @
Aliphatics >C12-C16	<100 µg/kg	TM173		21300	4400	16800	4950	1170000	4770
Aliphatics >C16-C21	<100 µg/kg	TM173		85000	23900	51700	21500	499000	23200
Aliphatics >C21-C35	<100 µg/kg	TM173		172000	49300	89400	70400	641000	50200
Aliphatics >C35-C44	<100 µg/kg	TM173		68900	11500	22300	21500	452000	20000
Total Aliphatics >C12-C44	<100 µg/kg	TM173		347000	89100	180000	118000	2770000	98100
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	16400 @	115 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	27600 @	90 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		7960	1190	6690	15900	162000	4010
Aromatics >EC16-EC21	<100 µg/kg	TM173		56000	5320	34400	74100	211000	12100
Aromatics >EC21-EC35	<100 µg/kg	TM173		177000	35700	86600	197000	494000	49100
Aromatics >EC35-EC44	<100 µg/kg	TM173		104000	19300	36900	50700	395000	33300
Aromatics >EC40-EC44	<100 µg/kg	TM173		48100	7970	15900	15000	186000	14200
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		344000	61500	165000	338000	1260000	98600
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		692000	151000	345000	456000	4140000	197000

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

TPH CWG (S)

Results Legend		Customer Sample R	TPE2577	TPE2577	TPE2577	TPE2613	TPE2651	TPE2651
#	ISO17025 accredited.	Depth (m)	1.50	2.50	3.50	0.50	0.50	1.50
M	*m*CERTS accredited.	Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.	Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
diss.filt	Dissolved / filtered sample.	Sample Time	.	.	.	.	.	.
tot.unfilt	Total / unfiltered sample.	Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
*	Subcontracted test.	SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery	Lab Sample No.(s)	10879617	10879621	10879626	10879579	10880125	10880130
(F)	Trigger breach confirmed	AGS Reference						
1-5&+§@	Sample deviation (see appendix)							

Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	80 @	86 @	81 @	81 @	43 @	84 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	<176 @ M	<176 @ M	<176 @ M	<176 @ M	536 @ M	82300 @ 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	25.4 @ 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 @	25.4 @	<24 @
Aliphatics >C5-C6	<10 µg/kg	TM089	<40 @	<40 @	<40 @	<40 @	69.9 @	157 @
Aliphatics >C6-C8	<10 µg/kg	TM089	<40 @	<40 @	<40 @	<40 @	124 @	15900 @
Aliphatics >C8-C10	<10 µg/kg	TM089	<40 @	<40 @	<40 @	<40 @	94 @	23800 @
Aliphatics >C10-C12	<10 µg/kg	TM089	<40 @	<40 @	<40 @	<40 @	67.3 @	15800 @
Aliphatics >C12-C16	<100 µg/kg	TM173	3810	5560	1490	36800	239000	24200
Aliphatics >C16-C21	<100 µg/kg	TM173	16400	16000	6520	85700	617000	12400
Aliphatics >C21-C35	<100 µg/kg	TM173	53700	53300	39500	71500	394000	15800
Aliphatics >C35-C44	<100 µg/kg	TM173	19300	13500	47600	25400	73000	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173	93200	88400	95100	219000	1320000	52400
Aromatics >EC5-EC7	<10 µg/kg	TM089	<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC7-EC8	<10 µg/kg	TM089	<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC8-EC10	<10 µg/kg	TM089	<40 @	<40 @	<40 @	<40 @	103 @	15900 @
Aromatics >EC10-EC12	<10 µg/kg	TM089	<40 @	<40 @	<40 @	<40 @	44.5 @	10600 @
Aromatics >EC12-EC16	<100 µg/kg	TM173	1280	<100	6400	1470	11400	2650
Aromatics >EC16-EC21	<100 µg/kg	TM173	4820	3910	40000	7790	68700	4100
Aromatics >EC21-EC35	<100 µg/kg	TM173	33100	37200	127000	24900	193000	12200
Aromatics >EC35-EC44	<100 µg/kg	TM173	24900	18800	90000	11600	62000	5710
Aromatics >EC40-EC44	<100 µg/kg	TM173	10900	8110	44600	4400	23400	2090
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	64100	59900	263000	45700	335000	24700
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	157000	148000	358000	265000	1660000	159000

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	TPE2651	TPE2651	TPE2654	TPE2666	TPE2666	TPE2666
			Depth (m)	2.50	3.30	0.50	0.50	1.50	2.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10880134	10880138	10879654	10879545	10879550	10879556
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		139 @	75 @	46 @	63 @	73 @	87 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		1470000 @ M	2320000 @ M	<176 @ #	<176 @ M	588 @ M	3480 @ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		2650 @ M	5340 @ M	<20 @ #	<20 @ M	<20 @ M	<20 @ M
Benzene	<10 µg/kg	TM089		<200 @ M	<200 @ M	<40 @ #	<40 @ M	<40 @ M	<40 @ M
Toluene	<2 µg/kg	TM089		<40 @ M	<40 @ M	<8 @ #	<8 @ M	<8 @ M	<8 @ M
Ethylbenzene	<3 µg/kg	TM089		<60 @ M	<60 @ M	<12 @ #	<12 @ M	<12 @ M	<12 @ M
m,p-Xylene	<6 µg/kg	TM089		<120 @ M	<120 @ M	<24 @ #	<24 @ M	<24 @ M	<24 @ M
o-Xylene	<3 µg/kg	TM089		<60 @ M	<60 @ M	<12 @ #	<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		4040 @	6790 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C6-C8	<10 µg/kg	TM089		355000 @	627000 @	<40 @	<40 @	47 @	136 @
Aliphatics >C8-C10	<10 µg/kg	TM089		401000 @	678000 @	<40 @	<40 @	60.5 @	587 @
Aliphatics >C10-C12	<10 µg/kg	TM089		266000 @	329000 @	<40 @	<40 @	250 @	1410 @
Aliphatics >C12-C16	<100 µg/kg	TM173		384000	413000	28500	17900	53200	29500
Aliphatics >C16-C21	<100 µg/kg	TM173		135000	157000	179000	59300	134000	31000
Aliphatics >C21-C35	<100 µg/kg	TM173		78000	102000	732000	105000	273000	63200
Aliphatics >C35-C44	<100 µg/kg	TM173		5610	7320	233000	28500	76700	13300
Total Aliphatics >C12-C44	<100 µg/kg	TM173		603000	679000	1170000	211000	537000	137000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<200 @	<200 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC7-EC8	<10 µg/kg	TM089		<200 @	<200 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC8-EC10	<10 µg/kg	TM089		267000 @	452000 @	40.1 @	<40 @	44.8 @	391 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		178000 @	219000 @	<40 @	<40 @	167 @	940 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		45000	42300	9300	4940	3410	7550
Aromatics >EC16-EC21	<100 µg/kg	TM173		52200	52100	48500	22500	26000	18100
Aromatics >EC21-EC35	<100 µg/kg	TM173		48500	63600	491000	69900	165000	61600
Aromatics >EC35-EC44	<100 µg/kg	TM173		11000	16700	260000	35100	84500	23700
Aromatics >EC40-EC44	<100 µg/kg	TM173		3950	6020	99200	15100	34900	9050
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		157000	175000	808000	133000	279000	111000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		2230000	3170000	1980000	343000	817000	251000

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	TPE2667	TPE2667	TPE2667	TPE2703	TPE2703	TPE2703
			Depth (m)	0.50	1.50	2.20	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10879593	10879597	10879602	10879631	10879636	10879640
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		76 @	81 @	63 @	64 @	133 @	171 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 @ M	7100 @ M	<176 @ M	<176 @ M	697000 @ M	1820000 3 @ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 @ M	<20 @ M	<20 @ M	<20 @ M	<100 @ M	<100 @ M
Benzene	<10 µg/kg	TM089		<40 @ M	<40 @ M	<40 @ M	<40 @ M	<200 @ M	<200 @ M
Toluene	<2 µg/kg	TM089		<8 @ M	<8 @ M	<8 @ M	<8 @ M	<40 @ M	<40 @ M
Ethylbenzene	<3 µg/kg	TM089		<12 @ M	61 @ M	<12 @ M	<12 @ M	<60 @ M	<60 @ M
m,p-Xylene	<6 µg/kg	TM089		<24 @ M	<24 @ M	<24 @ M	58.1 @ M	<120 @ M	<120 @ M
o-Xylene	<3 µg/kg	TM089		<12 @ M	64.4 @ M	<12 @ M	<12 @ M	<60 @ M	<60 @ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 @	64.4 @	<9 @	58.1 @	<9 @	<9 @
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 @	125 @	<24 @	58.1 @	<24 @	<24 @
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 @	52 @	<40 @	<40 @	3290 @	13500 3 @
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 @	1210 @	<40 @	<40 @	177000 @	656000 3 @
Aliphatics >C8-C10	<10 µg/kg	TM089		<40 @	1750 @	<40 @	<40 @	196000 @	507000 3 @
Aliphatics >C10-C12	<10 µg/kg	TM089		<40 @	1670 @	<40 @	<40 @	114000 @	182000 3 @
Aliphatics >C12-C16	<100 µg/kg	TM173		50800	30400	9910	2570	371000	503000
Aliphatics >C16-C21	<100 µg/kg	TM173		111000	66800	19600	20100	237000	324000
Aliphatics >C21-C35	<100 µg/kg	TM173		98800	113000	41400	91900	263000	333000
Aliphatics >C35-C44	<100 µg/kg	TM173		28700	35700	18400	14300	32000	40800
Total Aliphatics >C12-C44	<100 µg/kg	TM173		289000	246000	89300	129000	902000	1200000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<200 @	<200 3 @
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<200 @	<200 3 @
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40 @	1290 @	<40 @	78.3 @	131000 @	338000 3 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40 @	1120 @	<40 @	<40 @	76000 @	121000 3 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		24600	5230	1250	2910	112000	53300
Aromatics >EC16-EC21	<100 µg/kg	TM173		66500	21700	4970	3760	95600	79400
Aromatics >EC21-EC35	<100 µg/kg	TM173		64400	67400	21400	42300	154000	127000
Aromatics >EC35-EC44	<100 µg/kg	TM173		23400	23900	11800	19000	26800	27000
Aromatics >EC40-EC44	<100 µg/kg	TM173		9890	10000	5050	7570	8290	9310
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		179000	118000	39400	68000	388000	286000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		468000	371000	129000	197000	1990000	3310000

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

TPH CWG (S)

Results Legend		Customer Sample R	TPE2703	TPE2715	TPE2715	TPE2715	TPE2716	TPE2716
#	ISO17025 accredited.							
M	*m*CERTS accredited.							
aq	Aqueous / settled sample.							
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery	Depth (m)	3.40	0.50	1.50	2.50	0.50	1.50
		Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
		Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
		Sample Time	.	.	.	.	.	.
		Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
		SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
(F)	Trigger breach confirmed	Lab Sample No.(s)	10879644	10879528	10879532	10879538	10879560	10879565
1-5&+§@	Sample deviation (see appendix)	AGS Reference						

Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	173 @	79 @	83 @	80 @	70 @	77 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	1080000 @ M	3880 @ M	<176 @ M	<176 @ M	6250 @ M	<176 @ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<100 @ M	<20 @ M	<20 @ M	<20 @ M	<20 @ M	<20 @ M
Benzene	<10 µg/kg	TM089	<200 @ M	<40 @ M	<40 @ M	<40 @ M	<40 @ M	<40 @ M
Toluene	<2 µg/kg	TM089	<40 @ M	20.9 @ M	<8 @ M	<8 @ M	38.2 @ M	<8 @ M
Ethylbenzene	<3 µg/kg	TM089	<60 @ M	<12 @ M	<12 @ M	<12 @ M	41.4 @ M	<12 @ M
m,p-Xylene	<6 µg/kg	TM089	<120 @ M	29 @ M	<24 @ M	<24 @ M	82.8 @ M	<24 @ M
o-Xylene	<3 µg/kg	TM089	<60 @ M	15.1 @ M	<12 @ M	<12 @ M	43.6 @ M	<12 @ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9 @	44.1 @	<9 @	<9 @	126 @	<9 @
sum of detected BTEX by GC	<24 µg/kg	TM089	<24 @	65 @	<24 @	<24 @	206 @	<24 @
Aliphatics >C5-C6	<10 µg/kg	TM089	3570 @	63.8 @	<40 @	<40 @	111 @	<40 @
Aliphatics >C6-C8	<10 µg/kg	TM089	281000 @	377 @	<40 @	<40 @	651 @	<40 @
Aliphatics >C8-C10	<10 µg/kg	TM089	308000 @	814 @	<40 @	<40 @	1250 @	<40 @
Aliphatics >C10-C12	<10 µg/kg	TM089	171000 @	1210 @	<40 @	<40 @	1910 @	<40 @
Aliphatics >C12-C16	<100 µg/kg	TM173	363000	44600	8570	<100	50500	10100
Aliphatics >C16-C21	<100 µg/kg	TM173	246000	92900	37700	6160	100000	40600
Aliphatics >C21-C35	<100 µg/kg	TM173	249000	161000	74700	29600	142000	106000
Aliphatics >C35-C44	<100 µg/kg	TM173	30200	40500	16000	5550	40800	43600
Total Aliphatics >C12-C44	<100 µg/kg	TM173	889000	339000	137000	41300	333000	201000
Aromatics >EC5-EC7	<10 µg/kg	TM089	209 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC7-EC8	<10 µg/kg	TM089	<200 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC8-EC10	<10 µg/kg	TM089	205000 @	595 @	<40 @	<40 @	1000 @	<40 @
Aromatics >EC10-EC12	<10 µg/kg	TM089	114000 @	804 @	<40 @	<40 @	1270 @	<40 @
Aromatics >EC12-EC16	<100 µg/kg	TM173	125000	12500	1090	470	15100	3370
Aromatics >EC16-EC21	<100 µg/kg	TM173	118000	55900	6680	6460	43500	15700
Aromatics >EC21-EC35	<100 µg/kg	TM173	155000	88700	38800	34600	75500	75300
Aromatics >EC35-EC44	<100 µg/kg	TM173	24100	38700	20100	14700	33400	40900
Aromatics >EC40-EC44	<100 µg/kg	TM173	8310	16000	8870	5790	14000	15100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	422000	196000	66700	56200	167000	135000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	2400000	539000	204000	97500	507000	336000

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	TPE2716	TPE2717	TPE2717	TPE2807	TPE2807	TPE2807
			Depth (m)	2.50	0.50	1.70	0.50	1.50	2.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015	17/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-57	150221-57	150221-57	150221-57	150221-57	150221-57
			Lab Sample No.(s)	10879571	10879583	10879588	10879660	10879664	10879668
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		80 @	72 @	104	43 @	97 @	125 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 @ M	1620 @ M	838 M	<176 @ M	20200 @ M	188000 @ 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	10.9 @ M	<8 M	<8 @ M	<8 @ M	<8 @ M
Ethylbenzene	<3 µg/kg	TM089		<12 @ M	13.1 @ 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 @	40.3 @	<40	<40 @	129 @	2150 @
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 @	281 @	109	<40 @	1000 @	45900 @
Aliphatics >C8-C10	<10 µg/kg	TM089		<40 @	304 @	182	<40 @	4110 @	50400 @
Aliphatics >C10-C12	<10 µg/kg	TM089		<40 @	448 @	228	<40 @	7330 @	33400 @
Aliphatics >C12-C16	<100 µg/kg	TM173		247	5140	12000	22500	50800	191000
Aliphatics >C16-C21	<100 µg/kg	TM173		3160	33300	40400	37800	43200	140000
Aliphatics >C21-C35	<100 µg/kg	TM173		14100	87100	77200	163000	158000	288000
Aliphatics >C35-C44	<100 µg/kg	TM173		2630	32500	24100	52000	19000	23300
Total Aliphatics >C12-C44	<100 µg/kg	TM173		20100	158000	154000	276000	271000	642000
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 @	235 @	131	<40 @	2740 @	33600 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40 @	298 @	153	<40 @	4890 @	22200 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		598	3860	2050	6250	11600	80700
Aromatics >EC16-EC21	<100 µg/kg	TM173		1980	16600	12300	13600	21600	79200
Aromatics >EC21-EC35	<100 µg/kg	TM173		12800	69000	56500	131000	89600	190000
Aromatics >EC35-EC44	<100 µg/kg	TM173		4970	43300	26400	75900	10900	40200
Aromatics >EC40-EC44	<100 µg/kg	TM173		2070	20900	10600	29400	3510	13900
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		20400	133000	97200	227000	134000	390000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		40500	292000	252000	502000	425000	1220000

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	IP1962 0.50 SOLID 17/02/2015 00:00:00 16/04/2015 11:32:09 150221-57 10880044 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	IP3430 1.00 SOLID 17/02/2015 00:00:00 16/04/2015 11:18:59 150221-57 10880056 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	IP3431 0.50 SOLID 17/02/2015 00:00:00 16/04/2015 11:45:32 150221-57 10880052 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	IP3432 0.50 SOLID 17/02/2015 00:00:00 16/04/2015 11:29:26 150221-57 10880060 TM 304	Crocidolite (#)	Loose fibres in soil	<0.001 (#)	0.0011 (#)	0.002 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP3436 0.50 SOLID 17/02/2015 00:00:00 16/04/2015 11:34:38 150221-57 10880074 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	IP3476 1.00 SOLID 17/02/2015 00:00:00 16/04/2015 11:52:01 150221-57 10880007 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	TPE0959 0.50 SOLID 17/02/2015 00:00:00 16/04/2015 11:40:33 150221-57 10880068 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	TPE1300 0.50 SOLID 17/02/2015 00:00:00 16/04/2015 12:41:15 150221-57 10880091 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	TPE2394 0.50 SOLID 17/02/2015 00:00:00 22/04/2015 08:52:59 150221-57 10880174 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	TPE2475 0.50 SOLID 17/02/2015 00:00:00 16/04/2015 11:24:18 150221-57 10880182 TM 304	None (#)	N/C	0.0030 (#)	<0.001 (#)	0.0031 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE2477 0.40 SOLID 17/02/2015 00:00:00 22/04/2015 08:56:51 150221-57 10880190 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	TPE2493 0.50 SOLID 17/02/2015 00:00:00 16/04/2015 13:08:22 150221-57 10880064 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	TPE2494 0.50 SOLID 17/02/2015 00:00:00 16/04/2015 11:49:22 150221-57 10879649 TM 304	None (#)	N/C	0.0203 (#)	<0.001 (#)	0.0210 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE2501 0.50 SOLID 17/02/2015 00:00:00 16/04/2015 11:57:26 150221-57 10880107 TM 304	None (#)	N/C	0.0011 (#)	<0.001 (#)	0.0012 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE2514 0.50 SOLID 17/02/2015 00:00:00 16/04/2015 11:55:04 150221-57 10880199 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	TPE2516 0.30 SOLID 17/02/2015 00:00:00 22/04/2015 10:59:26 150221-57 10880210 TM 304	None (#)	N/C	0.0067 (#)	<0.001 (#)	0.0074 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE2527 0.50 SOLID 17/02/2015 00:00:00 22/04/2015 09:48:39 150221-57 10880143 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	TPE2529 0.50 SOLID 17/02/2015 00:00:00 16/04/2015 13:01:04 150221-57 10880020 TM 304	None (#)	N/C	0.0092 (#)	0.0014 (#)	0.0106 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE2577 0.50 SOLID 17/02/2015 00:00:00 16/04/2015 12:35:32 150221-57 10879612 TM 304	None (#)	N/C	0.5313 (#)	0.0025 (#)	0.5338 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE2613 0.50 SOLID 17/02/2015 00:00:00 16/04/2015 12:57:37 150221-57 10879579 TM 304	None (#)	N/C	0.0019 (#)	<0.001 (#)	0.0025 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE2654 0.50 SOLID 17/02/2015 00:00:00 28/04/2015 06:54:21 150221-57 10879654 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	TPE2666 0.50 SOLID 17/02/2015 00:00:00 22/04/2015 09:55:24 150221-57 10879545 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	TPE2715 0.50 SOLID 17/02/2015 00:00:00 22/04/2015 09:52:27 150221-57 10879528 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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	TPE2716 0.50 SOLID 17/02/2015 00:00:00 16/04/2015 12:49:51 150221-57 10879560 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	TPE2717 0.50 SOLID 17/02/2015 00:00:00 16/04/2015 13:03:48 150221-57 10879583 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

Notification of NDPs (No determination possible)

Date Received : 21/02/2015 12:25:45

Sample No	Customer Sample Ref.	Depth (m)	Test	Comment
10879671	IP1405	0.50	Asbestos Quantification - Full	Insufficient Sample
10879689	TPE0639	0.50	Asbestos Quantification - Full	Insufficient Sample
10879731	TPE0593	0.50	Asbestos Quantification - Full	Insufficient Sample
10879780	IP1569	0.50	Asbestos Quantification - Full	Insufficient Sample
10879822	TPE0739	0.50	Asbestos Quantification - Full	Insufficient Sample
10879851	IP1576	0.50	Asbestos Quantification - Full	Insufficient Sample
10879879	IP1573	0.50	Asbestos Quantification - Full	Insufficient Sample
10879889	IP1567	0.50	Asbestos Quantification - Full	Insufficient Sample
10880125	TPE2651	0.50	Asbestos Quantification - Full	Insufficient Sample

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

Test Completion Dates

Lab Sample No(s)	10880028	10880032	10879987	10879996	10880003	10879940	10879953	10879971	10879671	10879675
Customer Sample Ref.	IP0673	IP0673	IP0813	IP0813	IP0813	IP0814	IP0814	IP0814	IP1405	IP1405
AGS Ref.										
Depth	1.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	0.50	1.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos fibres in Soil*	12-Mar-2015		12-Mar-2015			12-Mar-2015			12-Mar-2015	
EPH CWG (Aliphatic) GC (S)	05-Mar-2015	05-Mar-2015	09-Mar-2015	05-Mar-2015	05-Mar-2015	05-Mar-2015	05-Mar-2015	05-Mar-2015	10-Mar-2015	11-Mar-2015
EPH CWG (Aromatic) GC (S)	05-Mar-2015	05-Mar-2015	09-Mar-2015	05-Mar-2015	05-Mar-2015	05-Mar-2015	05-Mar-2015	05-Mar-2015	10-Mar-2015	11-Mar-2015
GRO by GC-FID (S)	10-Mar-2015	11-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	11-Mar-2015	10-Mar-2015
Metals in solid samples by OES	06-Mar-2015	05-Mar-2015	10-Mar-2015	05-Mar-2015	06-Mar-2015	06-Mar-2015	06-Mar-2015	06-Mar-2015	11-Mar-2015	10-Mar-2015
PAH by GCMS	06-Mar-2015	06-Mar-2015	10-Mar-2015	06-Mar-2015	06-Mar-2015	06-Mar-2015	05-Mar-2015	05-Mar-2015	10-Mar-2015	
pH	10-Mar-2015	09-Mar-2015	07-Mar-2015	07-Mar-2015	07-Mar-2015	10-Mar-2015	07-Mar-2015	07-Mar-2015	10-Mar-2015	07-Mar-2015
Sample description	02-Mar-2015	02-Mar-2015	04-Mar-2015	03-Mar-2015	03-Mar-2015	02-Mar-2015	03-Mar-2015	03-Mar-2015	04-Mar-2015	02-Mar-2015
Total Organic Carbon			10-Mar-2015						10-Mar-2015	
TPH CWG GC (S)	10-Mar-2015	11-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	11-Mar-2015	11-Mar-2015

Lab Sample No(s)	10879679	10879683	10879889	10879896	10879922	10879780	10879789	10879808	10879879	10879851
Customer Sample Ref.	IP1405	IP1405	IP1567	IP1567	IP1567	IP1569	IP1569	IP1569	IP1573	IP1576
AGS Ref.										
Depth	2.50	4.50	0.50	2.00	3.50	0.50	2.00	3.50	0.50	0.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos fibres in Soil*			12-Mar-2015			12-Mar-2015			12-Mar-2015	12-Mar-2015
EPH CWG (Aliphatic) GC (S)	05-Mar-2015	06-Mar-2015	05-Mar-2015	09-Mar-2015	05-Mar-2015	09-Mar-2015	06-Mar-2015	09-Mar-2015	11-Mar-2015	10-Mar-2015
EPH CWG (Aromatic) GC (S)	05-Mar-2015	06-Mar-2015	05-Mar-2015	09-Mar-2015	05-Mar-2015	09-Mar-2015	06-Mar-2015	09-Mar-2015	11-Mar-2015	10-Mar-2015
GRO by GC-FID (S)	11-Mar-2015	11-Mar-2015	11-Mar-2015	11-Mar-2015	11-Mar-2015	12-Mar-2015	09-Mar-2015	11-Mar-2015	11-Mar-2015	12-Mar-2015
Metals in solid samples by OES	06-Mar-2015	05-Mar-2015	06-Mar-2015	05-Mar-2015	06-Mar-2015	10-Mar-2015	09-Mar-2015	11-Mar-2015	11-Mar-2015	10-Mar-2015
PAH by GCMS	09-Mar-2015	06-Mar-2015	10-Mar-2015	06-Mar-2015	09-Mar-2015	09-Mar-2015	09-Mar-2015	09-Mar-2015	06-Mar-2015	09-Mar-2015
pH	09-Mar-2015	09-Mar-2015	10-Mar-2015	07-Mar-2015	07-Mar-2015	10-Mar-2015	09-Mar-2015	09-Mar-2015	10-Mar-2015	10-Mar-2015
Sample description	02-Mar-2015	02-Mar-2015	02-Mar-2015	02-Mar-2015	03-Mar-2015	04-Mar-2015	02-Mar-2015	02-Mar-2015	03-Mar-2015	04-Mar-2015
Total Organic Carbon										10-Mar-2015
TPH CWG GC (S)	11-Mar-2015	11-Mar-2015	11-Mar-2015	11-Mar-2015	11-Mar-2015	12-Mar-2015	09-Mar-2015	11-Mar-2015	11-Mar-2015	12-Mar-2015

Lab Sample No(s)	10879862	10879870	10880044	10880048	10880056	10880052	10880060	10880074	10880083	10880087
Customer Sample Ref.	IP1576	IP1576	IP1962	IP1962	IP3430	IP3431	IP3432	IP3436	IP3471	IP3471
AGS Ref.										
Depth	2.00	3.50	0.50	1.50	1.00	0.50	0.50	0.50	0.50	1.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos fibres in Soil*			12-Mar-2015		12-Mar-2015	12-Mar-2015	12-Mar-2015	12-Mar-2015	12-Mar-2015	
Asbestos Quantification - Full			30-Apr-2015		29-Apr-2015	29-Apr-2015	30-Apr-2015	30-Apr-2015		
EPH CWG (Aliphatic) GC (S)	09-Mar-2015	09-Mar-2015	09-Mar-2015	09-Mar-2015	09-Mar-2015	09-Mar-2015	09-Mar-2015	09-Mar-2015	05-Mar-2015	05-Mar-2015
EPH CWG (Aromatic) GC (S)	09-Mar-2015	09-Mar-2015	09-Mar-2015	09-Mar-2015	09-Mar-2015	09-Mar-2015	09-Mar-2015	09-Mar-2015	05-Mar-2015	05-Mar-2015
GRO by GC-FID (S)	12-Mar-2015	12-Mar-2015	12-Mar-2015	12-Mar-2015	11-Mar-2015	11-Mar-2015	11-Mar-2015	12-Mar-2015	10-Mar-2015	10-Mar-2015
Metals in solid samples by OES	11-Mar-2015	11-Mar-2015	09-Mar-2015	09-Mar-2015	09-Mar-2015	09-Mar-2015	09-Mar-2015	09-Mar-2015	06-Mar-2015	06-Mar-2015
PAH by GCMS	10-Mar-2015	09-Mar-2015	06-Mar-2015	09-Mar-2015	06-Mar-2015	06-Mar-2015	06-Mar-2015	06-Mar-2015	06-Mar-2015	05-Mar-2015
pH	09-Mar-2015	09-Mar-2015	07-Mar-2015	09-Mar-2015	07-Mar-2015	10-Mar-2015	07-Mar-2015	07-Mar-2015	07-Mar-2015	07-Mar-2015
Sample description	02-Mar-2015	02-Mar-2015	02-Mar-2015	02-Mar-2015	02-Mar-2015	02-Mar-2015	02-Mar-2015	02-Mar-2015	02-Mar-2015	03-Mar-2015
TPH CWG GC (S)	12-Mar-2015	12-Mar-2015	12-Mar-2015	12-Mar-2015	11-Mar-2015	11-Mar-2015	11-Mar-2015	12-Mar-2015	10-Mar-2015	10-Mar-2015

Lab Sample No(s)	10880078	10880007	10880011	10880015	10880024	10879731	10879742	10879752	10879760	10879770
Customer Sample Ref.	IP3474	IP3476	IP3476	IP3476	IP3476	TPE0593	TPE0593	TPE0593	TPE0593	TPE0593
AGS Ref.										
Depth	0.50	1.00	2.00	3.00	4.00	0.50	1.50	2.50	3.50	4.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos fibres in Soil*	12-Mar-2015	12-Mar-2015				12-Mar-2015				
Asbestos Quantification - Full		29-Apr-2015								
EPH CWG (Aliphatic) GC (S)	05-Mar-2015	05-Mar-2015	05-Mar-2015	05-Mar-2015	06-Mar-2015	09-Mar-2015	06-Mar-2015	06-Mar-2015	06-Mar-2015	06-Mar-2015
EPH CWG (Aromatic) GC (S)	05-Mar-2015	05-Mar-2015	05-Mar-2015	05-Mar-2015	06-Mar-2015	09-Mar-2015	06-Mar-2015	06-Mar-2015	06-Mar-2015	06-Mar-2015
GRO by GC-FID (S)	11-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	12-Mar-2015	11-Mar-2015	11-Mar-2015	11-Mar-2015	11-Mar-2015
Metals in solid samples by OES	06-Mar-2015	06-Mar-2015	06-Mar-2015	06-Mar-2015	06-Mar-2015	11-Mar-2015	09-Mar-2015	11-Mar-2015	09-Mar-2015	11-Mar-2015
PAH by GCMS	06-Mar-2015	05-Mar-2015	05-Mar-2015	05-Mar-2015	04-Mar-2015	09-Mar-2015	09-Mar-2015	11-Mar-2015	09-Mar-2015	11-Mar-2015
pH	10-Mar-2015	10-Mar-2015	09-Mar-2015	09-Mar-2015	09-Mar-2015	10-Mar-2015	09-Mar-2015	09-Mar-2015	09-Mar-2015	09-Mar-2015
Sample description	02-Mar-2015	02-Mar-2015	03-Mar-2015	02-Mar-2015	02-Mar-2015	04-Mar-2015	02-Mar-2015	02-Mar-2015	02-Mar-2015	02-Mar-2015
Total Organic Carbon	09-Mar-2015								10-Mar-2015	
TPH CWG GC (S)	11-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	12-Mar-2015	11-Mar-2015	11-Mar-2015	11-Mar-2015	11-Mar-2015

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

Lab Sample No(s)	10879689	10879704	10879714	10879721	10879822	10879830	10879841	10880036	10880040	10880068
Customer Sample Ref.	TPE0639	TPE0639	TPE0639	TPE0639	TPE0739	TPE0739	TPE0739	TPE0891	TPE0891	TPE0959
AGS Ref.										
Depth	0.50	1.50	2.80	3.90	0.50	2.00	3.50	0.50	1.50	0.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos fibres in Soil*	12-Mar-2015				12-Mar-2015			12-Mar-2015		12-Mar-2015
Asbestos Quantification - Full										30-Apr-2015
EPH CWG (Aliphatic) GC (S)	10-Mar-2015	06-Mar-2015	06-Mar-2015	09-Mar-2015	09-Mar-2015	06-Mar-2015	09-Mar-2015	09-Mar-2015	09-Mar-2015	09-Mar-2015
EPH CWG (Aromatic) GC (S)	10-Mar-2015	06-Mar-2015	06-Mar-2015	09-Mar-2015	09-Mar-2015	09-Mar-2015	09-Mar-2015	09-Mar-2015	09-Mar-2015	09-Mar-2015
GRO by GC-FID (S)	10-Mar-2015	11-Mar-2015	10-Mar-2015	10-Mar-2015	12-Mar-2015	11-Mar-2015	12-Mar-2015	11-Mar-2015	11-Mar-2015	12-Mar-2015
Metals in solid samples by OES	11-Mar-2015	06-Mar-2015	05-Mar-2015	05-Mar-2015	10-Mar-2015	10-Mar-2015	09-Mar-2015	09-Mar-2015	09-Mar-2015	10-Mar-2015
PAH by GCMS	06-Mar-2015	09-Mar-2015	09-Mar-2015	06-Mar-2015	10-Mar-2015	09-Mar-2015	06-Mar-2015	06-Mar-2015	11-Mar-2015	09-Mar-2015
pH	10-Mar-2015	09-Mar-2015	09-Mar-2015	09-Mar-2015	10-Mar-2015	09-Mar-2015	09-Mar-2015	07-Mar-2015	09-Mar-2015	10-Mar-2015
Sample description	03-Mar-2015	02-Mar-2015	02-Mar-2015	02-Mar-2015	04-Mar-2015	02-Mar-2015	02-Mar-2015	02-Mar-2015	02-Mar-2015	04-Mar-2015
Total Organic Carbon	10-Mar-2015							10-Mar-2015		
TPH CWG GC (S)	10-Mar-2015	11-Mar-2015	10-Mar-2015	10-Mar-2015	12-Mar-2015	11-Mar-2015	12-Mar-2015	11-Mar-2015	11-Mar-2015	12-Mar-2015

Lab Sample No(s)	10880091	10880097	10880102	10880174	10880178	10880182	10880186	10880190	10880195	10879515
Customer Sample Ref.	TPE1300	TPE1300	TPE1300	TPE2394	TPE2394	TPE2475	TPE2475	TPE2477	TPE2477	TPE2493
AGS Ref.										
Depth	0.50	1.00	2.00	0.50	1.50	0.50	1.50	0.40	1.20	4.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos fibres in Soil*	12-Mar-2015	12-Mar-2015		12-Mar-2015		12-Mar-2015		12-Mar-2015		
Asbestos Quantification - Full	30-Apr-2015			30-Apr-2015		01-May-2015		30-Apr-2015		
EPH CWG (Aliphatic) GC (S)	05-Mar-2015	05-Mar-2015	05-Mar-2015	09-Mar-2015	05-Mar-2015	09-Mar-2015	06-Mar-2015	09-Mar-2015	06-Mar-2015	05-Mar-2015
EPH CWG (Aromatic) GC (S)	05-Mar-2015	05-Mar-2015	05-Mar-2015	09-Mar-2015	05-Mar-2015	09-Mar-2015	06-Mar-2015	10-Mar-2015	06-Mar-2015	05-Mar-2015
GRO by GC-FID (S)	10-Mar-2015	10-Mar-2015	10-Mar-2015	12-Mar-2015	12-Mar-2015	12-Mar-2015	12-Mar-2015	12-Mar-2015	12-Mar-2015	10-Mar-2015
Metals in solid samples by OES	06-Mar-2015	06-Mar-2015	06-Mar-2015	11-Mar-2015	05-Mar-2015	10-Mar-2015	05-Mar-2015	10-Mar-2015	06-Mar-2015	05-Mar-2015
PAH by GCMS	06-Mar-2015	06-Mar-2015	05-Mar-2015	09-Mar-2015	09-Mar-2015	09-Mar-2015	09-Mar-2015	10-Mar-2015	09-Mar-2015	05-Mar-2015
pH	10-Mar-2015	07-Mar-2015	07-Mar-2015	07-Mar-2015	09-Mar-2015	07-Mar-2015	09-Mar-2015	07-Mar-2015	09-Mar-2015	09-Mar-2015
Sample description	02-Mar-2015	02-Mar-2015	02-Mar-2015	04-Mar-2015	02-Mar-2015	04-Mar-2015	02-Mar-2015	04-Mar-2015	02-Mar-2015	03-Mar-2015
Total Organic Carbon				10-Mar-2015						06-Mar-2015
TPH CWG GC (S)	10-Mar-2015	10-Mar-2015	10-Mar-2015	12-Mar-2015	12-Mar-2015	12-Mar-2015	12-Mar-2015	12-Mar-2015	12-Mar-2015	10-Mar-2015

Lab Sample No(s)	10879519	10880064	10880117	10880171	10879649	10879696	10879799	10879910	10880107	10880113
Customer Sample Ref.	TPE2493	TPE2493	TPE2493	TPE2493	TPE2494	TPE2494	TPE2494	TPE2494	TPE2501	TPE2501
AGS Ref.										
Depth	3.50	0.50	1.50	2.50	0.50	1.50	2.50	3.50	0.50	1.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos fibres in Soil*		12-Mar-2015			12-Mar-2015				12-Mar-2015	
Asbestos Quantification - Full		30-Apr-2015			01-May-2015				30-Apr-2015	
EPH CWG (Aliphatic) GC (S)	05-Mar-2015	05-Mar-2015	09-Mar-2015	05-Mar-2015	05-Mar-2015	06-Mar-2015	05-Mar-2015	06-Mar-2015	05-Mar-2015	04-Mar-2015
EPH CWG (Aromatic) GC (S)	05-Mar-2015	05-Mar-2015	09-Mar-2015	05-Mar-2015	05-Mar-2015	06-Mar-2015	05-Mar-2015	06-Mar-2015	05-Mar-2015	04-Mar-2015
GRO by GC-FID (S)	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	11-Mar-2015	11-Mar-2015
Metals in solid samples by OES	05-Mar-2015	06-Mar-2015	05-Mar-2015	05-Mar-2015	06-Mar-2015	06-Mar-2015	06-Mar-2015	03-Mar-2015	06-Mar-2015	05-Mar-2015
PAH by GCMS	06-Mar-2015	06-Mar-2015	06-Mar-2015	06-Mar-2015	06-Mar-2015	05-Mar-2015	05-Mar-2015	05-Mar-2015	10-Mar-2015	06-Mar-2015
pH	09-Mar-2015	10-Mar-2015	09-Mar-2015	09-Mar-2015	10-Mar-2015	09-Mar-2015	09-Mar-2015	09-Mar-2015	07-Mar-2015	09-Mar-2015
Sample description	03-Mar-2015	02-Mar-2015	03-Mar-2015	03-Mar-2015	02-Mar-2015	02-Mar-2015	02-Mar-2015	02-Mar-2015	27-Feb-2015	28-Feb-2015
Total Organic Carbon		09-Mar-2015			09-Mar-2015					
TPH CWG GC (S)	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	11-Mar-2015	11-Mar-2015

Lab Sample No(s)	10880121	10880199	10880205	10879524	10880210	10880215	10880143	10880148	10880152	10880157
Customer Sample Ref.	TPE2501	TPE2514	TPE2514	TPE2516	TPE2516	TPE2516	TPE2527	TPE2527	TPE2527	TPE2527
AGS Ref.										
Depth	2.70	0.50	1.70	2.50	0.30	1.50	0.50	1.50	2.50	3.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos fibres in Soil*		12-Mar-2015			12-Mar-2015		12-Mar-2015			
Asbestos Quantification - Full		05-May-2015			01-May-2015		01-May-2015			
EPH CWG (Aliphatic) GC (S)	04-Mar-2015	05-Mar-2015	06-Mar-2015	05-Mar-2015	05-Mar-2015	04-Mar-2015	09-Mar-2015	09-Mar-2015	06-Mar-2015	06-Mar-2015
EPH CWG (Aromatic) GC (S)	04-Mar-2015	05-Mar-2015	06-Mar-2015	05-Mar-2015	05-Mar-2015	04-Mar-2015	09-Mar-2015	09-Mar-2015	06-Mar-2015	06-Mar-2015
GRO by GC-FID (S)	11-Mar-2015	12-Mar-2015	12-Mar-2015	11-Mar-2015	12-Mar-2015	11-Mar-2015	10-Mar-2015	11-Mar-2015	10-Mar-2015	11-Mar-2015
Metals in solid samples by OES	06-Mar-2015	06-Mar-2015	06-Mar-2015	06-Mar-2015	06-Mar-2015	06-Mar-2015	10-Mar-2015	11-Mar-2015	11-Mar-2015	05-Mar-2015
PAH by GCMS	05-Mar-2015	05-Mar-2015	09-Mar-2015	05-Mar-2015	10-Mar-2015	06-Mar-2015	09-Mar-2015	10-Mar-2015	09-Mar-2015	06-Mar-2015
pH	09-Mar-2015	10-Mar-2015	09-Mar-2015	09-Mar-2015	10-Mar-2015	09-Mar-2015	07-Mar-2015	09-Mar-2015	09-Mar-2015	09-Mar-2015
Sample description	28-Feb-2015	27-Feb-2015	02-Mar-2015	28-Feb-2015	27-Feb-2015	28-Feb-2015	04-Mar-2015	02-Mar-2015	02-Mar-2015	02-Mar-2015
Total Organic Carbon					06-Mar-2015					
TPH CWG GC (S)	11-Mar-2015	12-Mar-2015	12-Mar-2015	11-Mar-2015	12-Mar-2015	11-Mar-2015	10-Mar-2015	11-Mar-2015	10-Mar-2015	11-Mar-2015

CERTIFICATE OF ANALYSIS

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

Lab Sample No(s)	10880161	10880020	10879608	10879612	10879617	10879621	10879626	10879579	10880125	10880130
Customer Sample Ref.	TPE2527	TPE2529	TPE2564	TPE2577	TPE2577	TPE2577	TPE2577	TPE2613	TPE2651	TPE2651
AGS Ref.										
Depth	4.50	0.50	1.50	0.50	1.50	2.50	3.50	0.50	0.50	1.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos fibres in Soil*		12-Mar-2015		12-Mar-2015				12-Mar-2015	12-Mar-2015	
Asbestos Quantification - Full		01-May-2015		05-May-2015				05-May-2015		
EPH CWG (Aliphatic) GC (S)	05-Mar-2015	05-Mar-2015	06-Mar-2015	05-Mar-2015	10-Mar-2015	05-Mar-2015	05-Mar-2015	05-Mar-2015	10-Mar-2015	04-Mar-2015
EPH CWG (Aromatic) GC (S)	05-Mar-2015	05-Mar-2015	06-Mar-2015	05-Mar-2015	10-Mar-2015	05-Mar-2015	05-Mar-2015	05-Mar-2015	10-Mar-2015	04-Mar-2015
GRO by GC-FID (S)	10-Mar-2015	10-Mar-2015	11-Mar-2015	11-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	12-Mar-2015	10-Mar-2015
Metals in solid samples by OES	05-Mar-2015	06-Mar-2015	06-Mar-2015	06-Mar-2015	10-Mar-2015	05-Mar-2015	06-Mar-2015	06-Mar-2015	11-Mar-2015	06-Mar-2015
PAH by GCMS	06-Mar-2015	06-Mar-2015	10-Mar-2015	06-Mar-2015	09-Mar-2015	06-Mar-2015	06-Mar-2015	06-Mar-2015	10-Mar-2015	11-Mar-2015
pH	09-Mar-2015	10-Mar-2015	09-Mar-2015	10-Mar-2015	07-Mar-2015	07-Mar-2015	09-Mar-2015	10-Mar-2015	10-Mar-2015	09-Mar-2015
Sample description	02-Mar-2015	02-Mar-2015	02-Mar-2015	02-Mar-2015	03-Mar-2015	03-Mar-2015	03-Mar-2015	02-Mar-2015	27-Feb-2015	28-Feb-2015
Total Organic Carbon	06-Mar-2015								10-Mar-2015	
TPH CWG GC (S)	10-Mar-2015	10-Mar-2015	11-Mar-2015	11-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	12-Mar-2015	10-Mar-2015

Lab Sample No(s)	10880134	10880138	10879654	10879545	10879550	10879556	10879593	10879597	10879602	10879631
Customer Sample Ref.	TPE2651	TPE2651	TPE2654	TPE2666	TPE2666	TPE2666	TPE2667	TPE2667	TPE2667	TPE2703
AGS Ref.										
Depth	2.50	3.30	0.50	0.50	1.50	2.60	0.50	1.50	2.20	0.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos fibres in Soil*			12-Mar-2015	12-Mar-2015			12-Mar-2015			12-Mar-2015
Asbestos Quantification - Full			01-May-2015	05-May-2015						
EPH CWG (Aliphatic) GC (S)	04-Mar-2015	04-Mar-2015	05-Mar-2015	10-Mar-2015	06-Mar-2015	10-Mar-2015	10-Mar-2015	11-Mar-2015	05-Mar-2015	09-Mar-2015
EPH CWG (Aromatic) GC (S)	04-Mar-2015	04-Mar-2015	05-Mar-2015	10-Mar-2015	06-Mar-2015	10-Mar-2015	10-Mar-2015	11-Mar-2015	05-Mar-2015	09-Mar-2015
GRO by GC-FID (S)	12-Mar-2015	12-Mar-2015	11-Mar-2015	10-Mar-2015	11-Mar-2015	10-Mar-2015	11-Mar-2015	11-Mar-2015	10-Mar-2015	11-Mar-2015
Metals in solid samples by OES	05-Mar-2015	05-Mar-2015	06-Mar-2015	10-Mar-2015	05-Mar-2015	09-Mar-2015	10-Mar-2015	09-Mar-2015	05-Mar-2015	10-Mar-2015
PAH by GCMS	06-Mar-2015	06-Mar-2015	06-Mar-2015	10-Mar-2015	06-Mar-2015	10-Mar-2015	09-Mar-2015	11-Mar-2015	06-Mar-2015	10-Mar-2015
pH	09-Mar-2015	09-Mar-2015	10-Mar-2015	07-Mar-2015	09-Mar-2015	07-Mar-2015	10-Mar-2015	09-Mar-2015	09-Mar-2015	10-Mar-2015
Sample description	28-Feb-2015	28-Feb-2015	02-Mar-2015	02-Mar-2015	02-Mar-2015	02-Mar-2015	04-Mar-2015	02-Mar-2015	28-Feb-2015	03-Mar-2015
Total Organic Carbon									06-Mar-2015	
TPH CWG GC (S)	12-Mar-2015	12-Mar-2015	11-Mar-2015	10-Mar-2015	11-Mar-2015	10-Mar-2015	11-Mar-2015	11-Mar-2015	10-Mar-2015	11-Mar-2015

Lab Sample No(s)	10879636	10879640	10879644	10879528	10879532	10879538	10879560	10879565	10879571	10879583
Customer Sample Ref.	TPE2703	TPE2703	TPE2703	TPE2715	TPE2715	TPE2715	TPE2716	TPE2716	TPE2716	TPE2717
AGS Ref.										
Depth	1.50	2.50	3.40	0.50	1.50	2.50	0.50	1.50	2.50	0.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos fibres in Soil*				12-Mar-2015			12-Mar-2015			12-Mar-2015
Asbestos Quantification - Full				01-May-2015			05-May-2015			01-May-2015
EPH CWG (Aliphatic) GC (S)	05-Mar-2015	10-Mar-2015	05-Mar-2015	09-Mar-2015	06-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	05-Mar-2015
EPH CWG (Aromatic) GC (S)	05-Mar-2015	10-Mar-2015	05-Mar-2015	09-Mar-2015	06-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	05-Mar-2015
GRO by GC-FID (S)	11-Mar-2015	11-Mar-2015	11-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	11-Mar-2015
Metals in solid samples by OES	05-Mar-2015	10-Mar-2015	05-Mar-2015	06-Mar-2015	05-Mar-2015	09-Mar-2015	10-Mar-2015	09-Mar-2015	09-Mar-2015	06-Mar-2015
PAH by GCMS	06-Mar-2015	09-Mar-2015	06-Mar-2015	06-Mar-2015	06-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	06-Mar-2015
pH	06-Mar-2015	07-Mar-2015	09-Mar-2015	07-Mar-2015	09-Mar-2015	07-Mar-2015	10-Mar-2015	07-Mar-2015	07-Mar-2015	10-Mar-2015
Sample description	03-Mar-2015	03-Mar-2015	03-Mar-2015	02-Mar-2015	02-Mar-2015	02-Mar-2015	02-Mar-2015	02-Mar-2015	02-Mar-2015	27-Feb-2015
Total Organic Carbon	06-Mar-2015			09-Mar-2015			10-Mar-2015			
TPH CWG GC (S)	11-Mar-2015	11-Mar-2015	11-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	11-Mar-2015

Lab Sample No(s)	10879588	10879660	10879664	10879668
Customer Sample Ref.	TPE2717	TPE2807	TPE2807	TPE2807
AGS Ref.				
Depth	1.70	0.50	1.50	2.30
Type	SOLID	SOLID	SOLID	SOLID
Asbestos fibres in Soil*		12-Mar-2015		
EPH CWG (Aliphatic) GC (S)	05-Mar-2015	10-Mar-2015	06-Mar-2015	06-Mar-2015
EPH CWG (Aromatic) GC (S)	05-Mar-2015	10-Mar-2015	06-Mar-2015	06-Mar-2015
GRO by GC-FID (S)		11-Mar-2015	10-Mar-2015	10-Mar-2015
Metals in solid samples by OES	06-Mar-2015	11-Mar-2015	05-Mar-2015	06-Mar-2015
PAH by GCMS	05-Mar-2015	10-Mar-2015	06-Mar-2015	05-Mar-2015
pH	09-Mar-2015	07-Mar-2015	09-Mar-2015	09-Mar-2015
Sample description	28-Feb-2015	03-Mar-2015	02-Mar-2015	02-Mar-2015
TPH CWG GC (S)	12-Mar-2015	11-Mar-2015	10-Mar-2015	10-Mar-2015

Derwentside Environmental Testing Services

Certificate of Analysis

Certificate Number 15-28510

11-Mar-15

Client	Alcontrol Laboratories Units 7 & 8 Hawarden Business Park Manor Road Hawarden Deeside CH5 3US
Our Reference	15-28510
Client Reference	150221-57
Contract Title	150221-57
Description	44 Soil samples.
Date Received	27-Feb-15
Date Started	27-Feb-15
Date Completed	11-Mar-15
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 15-28510
Client Ref 150221-57
Contract Title 150221-57

Lab No	Sample ID	Material Type	Result	Comment*	Analyst
775743	10906154 BR2807 0.50	SOIL	NAD	none	Andrew Little
775744	10907457 IP0673 1.00	SOIL	NAD	none	Andrew Little
775745	10907013 IP0813 1.00	SOIL	NAD	none	Andrew Little
775746	10907017 IP0814 1.00	SOIL	NAD	none	Andrew Little
775747	10907449 IP1405 0.50	SOIL	Crocidolite Amosite Chrys	Clumps of Crocidolite/Amosite/Chrysotile insulation present	Andrew Little
775748	10907069 IP1567 0.50	SOIL	Amosite Chrysotile	Clumps of Amosite/Chrysotile insulation present	Andrew Little
775749	10906960 IP1569 0.50	SOIL	Amosite Chrysotile	Bundles of Amosite/Chrysotile present	Andrew Little
775750	10907057 IP1573 0.50	SOIL	Amosite Chrysotile	Bundles of Amosite/Chrysotile present	Andrew Little
775751	10906987 IP1576 0.50	SOIL	Amosite	Small bundle of Amosite present	Andrew Little
775752	10907143 IP1962 0.50	SOIL	Chrysotile	Bundles of Chrysotile fibres present	Andrew Little
775753	10907126 IP3430 1.00	SOIL	Chrysotile	Bundle of chrysotile fibre present	Andrew Little
775754	10907138 IP3431 0.50	SOIL	Chrysotile	Clump of chrysotile fibre present	Andrew Little
775755	10907131 IP3432 0.50	SOIL	Amosite Chrysotile	Bundles of Amosite/Chrysotile present	Andrew Little
775756	10907122 IP3436 0.50	SOIL	Chrysotile	Bundles of Chrysotile fibres present	Andrew Little
775757	10907087 IP3471 0.50	SOIL	NAD	none	Andrew Little
775758	10907080 IP3474 0.50	SOIL	NAD	none	Andrew Little
775759	10907394 IP3476 1.00	SOIL	Chrysotile	Small bundle of chrysotile fibres present	Andrew Little
775760	10906944 TPE0593 0.50	SOIL	Amosite Chrysotile	Bundles of Amosite/Chrysotile present	Andrew Little
775761	10907062 TPE0639 0.50	SOIL	Chrysotile	Bundles of Chrysotile fibres present	Andrew Little
775762	10906978 TPE0739 0.50	SOIL	Chrysotile	Small bundle of chrysotile fibres present	Andrew Little
775763	10907134 TPE0891 0.50	SOIL	NAD	none	Andrew Little
775764	10907096 TPE0959 0.50	SOIL	Chrysotile	Clumps of Chrysotile insulation present	Andrew Little
775765	10907388 TPE1300 0.50	SOIL	Chrysotile	Small bundle of chrysotile fibres present	Andrew Little
775766	10907391 TPE1300 1.00	SOIL	NAD	none	Andrew Little
775767	10907102 TPE2394 0.50	SOIL	Amosite Chrysotile	Clumps of Amosite/Chrysotile present	Andrew Little
775768	10907104 TPE2475 0.50	SOIL	Chrysotile	Bundles of Chrysotile fibres present	Andrew Little
775769	10907108 TPE2477 0.40	SOIL	Amosite Chrysotile	Bundle of Amosite/Chrysotile present	Andrew Little
775770	10907496 TPE2493 0.50	SOIL	Chrysotile	Clump of chrysotile fibre present	Andrew Little
775771	10907439 TPE2494 0.50	SOIL	Chrysotile	Bundles of Chrysotile fibres present	Andrew Little
775772	10907410 TPE2501 0.50	SOIL	Chrysotile	Bundles of Chrysotile fibres present	Andrew Little

Summary of Asbestos Analysis
Soil Samples

Our Ref 15-28510
Client Ref 150221-57
Contract Title 150221-57

Lab No	Sample ID	Material Type	Result	Comment*	Analyst
775773	10907420 TPE2514 0.50	SOIL	Amosite Chrysotile	Bundles of Amosite/Chrysotile present	Andrew Little
775774	10907401 TPE2516 0.30	SOIL	Chrysotile	Clump of chrysotile fibre present	Andrew Little
775775	10907936 TPE2527 0.50	SOIL	Chrysotile	Chrysotile present as clump and fibre bundles	D Wilkinson
775776	10907481 TPE2529 0.50	SOIL	Chrysotile Amosite	Chrysotile and Amosite present as clumps	D Wilkinson
775777	10907425 TPE2577 0.50	SOIL	Chrysotile Amosite	Chrysotile and Amosite present as Fragments of insulation	D Wilkinson
775778	10907500 TPE2613 0.50	SOIL	Amosite	Amosite present as small fibre bundles	D Wilkinson
775779	10907405 TPE2651 0.50	SOIL	Crocidolite	Crocidolite present as fibre bundle	D Wilkinson
775780	10906930 TPE2654 0.50	SOIL	Amosite	Amosite present as small fibre bundle	D Wilkinson
775781	10907940 TPE2666 0.50	SOIL	Chrysotile Amosite	Chrysotile and Amosite present as fibres bundles	D Wilkinson
775782	10907525 TPE2667 0.50	SOIL	NAD	none	D Wilkinson
775783	10906199 TPE2703 0.50	SOIL	NAD	none	D Wilkinson
775784	10907931 TPE2715 0.50	SOIL	Chrysotile	Chrysotile present as fibre bundle	D Wilkinson
775785	10907533 TPE2716 0.50	SOIL	Chrysotile	Chrysotile present as fibre bundle	D Wilkinson
775786	10907542 TPE2717 0.50	SOIL	Chrysotile	Chrysotile present as small fibre bundles	D Wilkinson

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.

Information in Support of the Analytical Results

Our Ref 15-28510
Client Ref 150221-57
Contract 150221-57

Containers Received & Deviating Samples

Lab No	Sample ID	Date Sampled	Containers Received	Holding time exceeded for tests	Inappropriate container for tests
775743	10906154 0.50 SOIL	17/02/15	PT 500ml		
775744	10907457 1.00 SOIL	17/02/15	PT 500ml		
775745	10907013 1.00 SOIL	17/02/15	PT 500ml		
775746	10907017 1.00 SOIL	17/02/15	PT 500ml		
775747	10907449 0.50 SOIL	17/02/15	PT 500ml		
775748	10907069 0.50 SOIL	17/02/15	PT 500ml		
775749	10906960 0.50 SOIL	17/02/15	PT 500ml		
775750	10907057 0.50 SOIL	17/02/15	PT 500ml		
775751	10906987 0.50 SOIL	17/02/15	PT 500ml		
775752	10907143 0.50 SOIL	17/02/15	PT 500ml		
775753	10907126 1.00 SOIL	17/02/15	PT 500ml		
775754	10907138 0.50 SOIL	17/02/15	PT 500ml		
775755	10907131 0.50 SOIL	17/02/15	PT 500ml		
775756	10907122 0.50 SOIL	17/02/15	PT 500ml		
775757	10907087 0.50 SOIL	17/02/15	PT 500ml		
775758	10907080 0.50 SOIL	17/02/15	PT 500ml		
775759	10907394 1.00 SOIL	17/02/15	PT 500ml		
775760	10906944 0.50 SOIL	17/02/15	PT 500ml		
775761	10907062 0.50 SOIL	17/02/15	PT 500ml		
775762	10906978 0.50 SOIL	17/02/15	PT 500ml		
775763	10907134 0.50 SOIL	17/02/15	PT 500ml		
775764	10907096 0.50 SOIL	17/02/15	PT 500ml		
775765	10907388 0.50 SOIL	17/02/15	PT 500ml		
775766	10907391 1.00 SOIL	17/02/15	PT 500ml		
775767	10907102 0.50 SOIL	17/02/15	PT 500ml		
775768	10907104 0.50 SOIL	17/02/15	PT 500ml		
775769	10907108 0.40 SOIL	17/02/15	PT 500ml		
775770	10907496 0.50 SOIL	17/02/15	PT 500ml		
775771	10907439 0.50 SOIL	17/02/15	PT 500ml		
775772	10907410 0.50 SOIL	17/02/15	PT 500ml		
775773	10907420 0.50 SOIL	17/02/15	PT 500ml		
775774	10907401 0.30 SOIL	17/02/15	PT 500ml		
775775	10907936 0.50 SOIL	17/02/15	PT 500ml		
775776	10907481 0.50 SOIL	17/02/15	PT 500ml		
775777	10907425 0.50 SOIL	17/02/15	PT 500ml		
775778	10907500 0.50 SOIL	17/02/15	PT 500ml		
775779	10907405 0.50 SOIL	17/02/15	PT 500ml		
775780	10906930 0.50 SOIL	17/02/15	PT 500ml		
775781	10907940 0.50 SOIL	17/02/15	PT 500ml		
775782	10907525 0.50 SOIL	17/02/15	PT 500ml		
775783	10906199 0.50 SOIL	17/02/15	PT 500ml		
775784	10907931 0.50 SOIL	17/02/15	PT 500ml		
775785	10907533 0.50 SOIL	17/02/15	PT 500ml		
775786	10907542 0.50 SOIL	17/02/15	PT 500ml		

Information in Support of the Analytical Results

Our Ref 15-28510
Client Ref 150221-57
Contract 150221-57

Key: P-Plastic T-Tub

DETS cannot be held responsible for the integrity of samples received whereby the laboratory did not undertake the sampling. In this instance samples received may be deviating. Deviating Sample criteria are based on British and International standards and laboratory trials in conjunction with the UKAS note 'Guidance on Deviating Samples'. All samples received are listed above. However, those samples that have additional comments in relation to hold time and/or inappropriate containers are deviating due to the reasons stated. This means that the analysis is accredited where applicable, but results may be compromised due to sample deviations. If no sampled date (soils) or date+time (waters) has been supplied then samples are deviating. However, if you are able to supply a sampled date (and time for waters) this will prevent samples being reported as deviating where specific hold times are not exceeded and where the container supplied is suitable.

Disposal

From the issue date of this test certificate, samples will be held for the following times prior to disposal :-

Soils - 1 month, Liquids - 2 weeks, Asbestos (test portion) - 6 months

SDG:	150221-57	**Location:**	Coed Darcy	**Order Number:**	CD1105
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	311504
Client Reference:	Site Wide Trial Pitting	**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** - Surrogates are added to your sample to monitor recovery of the test requested. A % recovery is reported, results are not corrected for the recovery measured. Typical recoveries for organics tests are 70-130%, they are generally wider for volatiles analysis, 50-150%. Recoveries in soils are affected by organic rich or clay rich matrices. Waters can be affected by remediation fluids or high amounts of sediment. Test results are only ever reported if all of the associated quality checks pass; it is assumed that all recoveries outside of the values above are due to matrix affect.

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

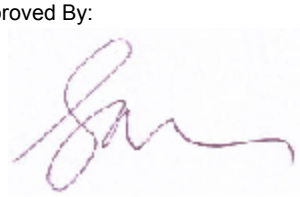
Date:	30 April 2015
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	150221-45
Your Reference:	Site Wide Trial Pitting
Location:	Coed Darcy
Report No:	310972

We received 56 samples on Saturday February 21, 2015 and 56 of these samples were scheduled for analysis which was completed on Wednesday April 29, 2015. 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:	150221-45	**Location:**	Coed Darcy	**Order Number:**	CD1103
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310972
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
10879058	IP1295		0.50	16/02/2015
10879066	IP1295		1.50	16/02/2015
10879075	IP1295		2.50	16/02/2015
10879003	IP1350		0.50	16/02/2015
10879007	IP1350		1.50	16/02/2015
10878994	IP1351		0.50	16/02/2015
10878998	IP1351		1.50	16/02/2015
10878887	IP1417		0.80	16/02/2015
10878891	IP1417		2.00	16/02/2015
10878896	IP1417		3.00	16/02/2015
10878901	IP1417		4.80	16/02/2015
10878909	IP1418		0.80	16/02/2015
10878919	IP1418		2.00	16/02/2015
10878924	IP1418		3.00	16/02/2015
10878929	IP1418		4.80	16/02/2015
10879123	IP1419		0.80	16/02/2015
10878794	IP1419		2.00	16/02/2015
10878801	IP1419		3.00	16/02/2015
10878807	IP1419		4.00	16/02/2015
10878813	IP1420		0.80	16/02/2015
10878820	IP1420		2.00	16/02/2015
10878824	IP1420		3.00	16/02/2015
10878833	IP1420		4.00	16/02/2015
10878977	IP1563		0.50	16/02/2015
10878982	IP1585		0.50	16/02/2015
10878989	IP1585		1.50	16/02/2015
10878973	IP1586		0.50	16/02/2015
10878785	TPE0592		0.50	16/02/2015
10878854	TPE0592		1.60	16/02/2015
10878914	TPE0592		2.70	16/02/2015
10878969	TPE0592		3.80	16/02/2015
10879015	TPE0594		0.50	16/02/2015
10879020	TPE0594		1.50	16/02/2015
10879039	TPE0594		2.50	16/02/2015
10879049	TPE0594		3.50	16/02/2015
10879086	TPE0595		0.50	16/02/2015
10879097	TPE0595		1.50	16/02/2015
10879033	TPE0640		0.50	16/02/2015
10879109	TPE0640		1.60	16/02/2015
10879115	TPE0640		2.70	16/02/2015
10879119	TPE0640		3.80	16/02/2015
10878837	TPE0649		0.80	16/02/2015
10878842	TPE0649		2.00	16/02/2015
10878850	TPE0649		3.00	16/02/2015
10878861	TPE0649		4.00	16/02/2015
10878866	TPE0677		0.80	16/02/2015
10878873	TPE0677		2.00	16/02/2015
10878878	TPE0677		3.00	16/02/2015
10878883	TPE0677		4.00	16/02/2015
10878961	TPE0725		0.50	16/02/2015
10878965	TPE0725		1.50	16/02/2015
10878933	TPE0816		0.50	16/02/2015
10878938	TPE0816		1.50	16/02/2015
10878942	TPE0901		0.50	16/02/2015
10878949	TPE0901		1.50	16/02/2015
10878953	TPE6311		0.50	16/02/2015

CERTIFICATE OF ANALYSIS

SDG:	150221-45	**Location:**	Coed Darcy	**Order Number:**	CD1103
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310972
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

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

CERTIFICATE OF ANALYSIS

SDG:	150221-45	**Location:**	Coed Darcy	**Order Number:**	CD1103
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310972
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

SOLID

Results Legend

- X — Test
- N — No Determination Possible

Lab Sample No(s)			10879058			10879066			10879075			10879003			10879007			10878994			10878998			10878887			10878891			10878896			10878901			10878909			10878919			10878924
Customer Sample Reference			IP1295			IP1295			IP1295			IP1350			IP1350			IP1351			IP1351			IP1417			IP1417			IP1417			IP1417			IP1418			IP1418			IP1418
AGS Reference																																										
Depth (m)			0.50			1.50			2.50			0.50			1.50			0.50			1.50			0.80			2.00			3.00			4.80			0.80			2.00			3.00
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: 20		X									X						X						X												X					
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 56	X			X			X			X			X			X			X			X			X			X			X			X			X			X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 56	X			X			X			X			X			X			X			X			X			X			X			X			X			X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 56			X			X			X			X			X			X			X			X			X			X			X			X			X	
Metals in solid samples by OES	All	NDPs: 0 Tests: 56	X			X			X			X			X			X			X			X			X			X			X			X			X			X
PAH by GCMS	All	NDPs: 0 Tests: 56	X			X			X			X			X			X			X			X			X			X			X			X			X			X
pH	All	NDPs: 0 Tests: 56		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
Total Organic Carbon	All	NDPs: 0 Tests: 7																															X									
TPH CWG GC (S)	All	NDPs: 0 Tests: 56	X			X			X			X			X			X			X			X			X			X			X			X			X			X

SDG:	150221-45	**Location:**	Coed Darcy	**Order Number:**	CD1103
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310972
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

SOLID

Results Legend

- X Test
- N No Determination Possible

Lab Sample No(s)			10878924		10878929			10879123			10878794			10878801			10878807			10878813			10878820			10878824			10878833			10878977			10878982			10878989			10878973	
Customer Sample Reference			IP1418		IP1418			IP1419			IP1419			IP1419			IP1419			IP1420			IP1420			IP1420			IP1420			IP1563			IP1585			IP1585			IP1586	
AGS Reference																																										
Depth (m)			3.00		4.80			0.80			2.00			3.00			4.00			0.80			2.00			3.00			4.00			0.50			0.50			1.50			0.50	
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: 20							X												X												X			X						X
Asbestos Quantification - Full	All	NDPs: 1 Tests: 4																																		X						
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 56			X			X			X			X			X			X			X			X			X			X			X			X			X	
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 56			X			X			X			X			X			X			X			X			X			X			X			X			X	
GRO by GC-FID (S)	All	NDPs: 0 Tests: 56		X			X			X			X			X			X			X			X			X			X			X			X			X		
Metals in solid samples by OES	All	NDPs: 0 Tests: 56			X			X			X			X			X			X			X			X			X			X			X			X			X	
PAH by GCMS	All	NDPs: 0 Tests: 56			X			X			X			X			X			X			X			X			X			X			X			X			X	
pH	All	NDPs: 0 Tests: 56	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	
TPH CWG GC (S)	All	NDPs: 0 Tests: 56			X			X			X			X			X			X			X			X			X			X			X			X			X	

CERTIFICATE OF ANALYSIS

SDG:	150221-45	**Location:**	Coed Darcy	**Order Number:**	CD1103
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310972
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

SOLID

Results Legend

- X Test
- N No Determination Possible

Lab Sample No(s)			10878973	10878785			10878854			10878914			10878969		10879015			10879020			10879039			10879049			10879086			10879097			10879033		10879109			10879115			10879119	
Customer Sample Reference			IP1586	TPE0592			TPE0592			TPE0592			TPE0592		TPE0594			TPE0594			TPE0594			TPE0594			TPE0595			TPE0595			TPE0640		TPE0640			TPE0640			TPE0640	
AGS Reference																																											
Depth (m)			0.50	0.50			1.60			2.70			3.80		0.50			1.50			2.50			3.50			0.50			1.50			0.50		1.60			2.70			3.80	
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)	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)	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: 20			X											X												X					X									
Asbestos Quantification - Full	All	NDPs: 1 Tests: 4			X											X																										
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 56		X			X			X			X		X			X			X			X			X			X			X		X			X			X	
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 56		X			X			X			X		X			X			X			X			X			X			X		X			X			X	
GRO by GC-FID (S)	All	NDPs: 0 Tests: 56	X			X			X			X	X				X			X			X			X			X			X		X			X			X		
Metals in solid samples by OES	All	NDPs: 0 Tests: 56		X			X			X			X		X			X			X			X			X			X			X		X			X			X	
PAH by GCMS	All	NDPs: 0 Tests: 56		X			X			X			X		X			X			X			X			X			X			X		X			X			X	
pH	All	NDPs: 0 Tests: 56			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			X	
Total Organic Carbon	All	NDPs: 0 Tests: 7		X											X												X								X							
TPH CWG GC (S)	All	NDPs: 0 Tests: 56		X			X			X			X		X			X			X			X			X			X			X		X			X			X	

CERTIFICATE OF ANALYSIS

SDG:	150221-45	**Location:**	Coed Darcy	**Order Number:**	CD1103
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310972
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

SOLID

Results Legend

X **Test**

N **No Determination Possible**

Lab Sample No(s)	10879119	10878837	10878842	10878850	10878861	10878866	10878873	10878878	10878883	10878961	10878965	10878933	10878938	10878942
Customer Sample Reference	TPE0640	TPE0649	TPE0649	TPE0649	TPE0649	TPE0677	TPE0677	TPE0677	TPE0677	TPE0725	TPE0725	TPE0816	TPE0816	TPE0901
AGS Reference														
Depth (m)	3.80	0.80	2.00	3.00	4.00	0.80	2.00	3.00	4.00	0.50	1.50	0.50	1.50	0.50
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) 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: 20		X			X				X			X	X
Asbestos Quantification - Full	All	NDPs: 1 Tests: 4					N								
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 56	X	X	X	X	X	X	X	X	X	X	X	X	X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 56	X	X	X	X	X	X	X	X	X	X	X	X	X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 56	X	X	X	X	X	X	X	X	X	X	X	X	X
Metals in solid samples by OES	All	NDPs: 0 Tests: 56	X	X	X	X	X	X	X	X	X	X	X	X	X
PAH by GCMS	All	NDPs: 0 Tests: 56	X	X	X	X	X	X	X	X	X	X	X	X	X
pH	All	NDPs: 0 Tests: 56	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
Total Organic Carbon	All	NDPs: 0 Tests: 7	X							X					
TPH CWG GC (S)	All	NDPs: 0 Tests: 56	X	X	X	X	X	X	X	X	X	X	X	X	X

CERTIFICATE OF ANALYSIS

SDG:	150221-45	**Location:**	Coed Darcy	**Order Number:**	CD1103
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310972
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

SOLID

Results Legend

X **Test**

N **No Determination Possible**

			Lab Sample No(s)					
			10878949			10878953		
			Customer Sample Reference					
			TPE0901			TPE6311		
			AGS Reference					
			Depth (m)					
			1.50			0.50		
			Container					
			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: 20					X	
Asbestos Quantification - Full	All	NDPs: 1 Tests: 4					X	
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 56	X			X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 56	X			X		
GRO by GC-FID (S)	All	NDPs: 0 Tests: 56			X			X
Metals in solid samples by OES	All	NDPs: 0 Tests: 56	X			X		
PAH by GCMS	All	NDPs: 0 Tests: 56	X			X		
pH	All	NDPs: 0 Tests: 56		X			X	
Sample description	All	NDPs: 0 Tests: 55	X			X		
TPH CWG GC (S)	All	NDPs: 0 Tests: 56	X			X		

CERTIFICATE OF ANALYSIS

SDG:	150221-45	**Location:**	Coed Darcy	**Order Number:**	CD1103
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310972
Client Reference:	Site Wide Trial Pitting	**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
10879058	IP1295	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
10879066	IP1295	1.50	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	None
10879075	IP1295	2.50	Light Brown	Silty Clay	0.063 - 0.1 mm	Stones	Brick
10879003	IP1350	0.50	Dark Brown	Sand	0.1 - 2 mm	Stones	None
10879007	IP1350	1.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
10878994	IP1351	0.50	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	None
10878998	IP1351	1.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
10878887	IP1417	0.80	Black	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
10878891	IP1417	2.00	Black	Sandy Loam	0.1 - 2 mm	Stones	None
10878896	IP1417	3.00	Black	Sandy Loam	0.1 - 2 mm	Stones	None
10878901	IP1417	4.80	Light Brown	Silt Loam	0.063 - 0.1 mm	Oil/Petroleum	None
10878909	IP1418	0.80	Black	Loamy Sand	0.1 - 2 mm	Stones	None
10878919	IP1418	2.00	Black	Clinker	0.1 - 2 mm	None	None
10878924	IP1418	3.00	Black	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
10878929	IP1418	4.80	Beige	Silty Clay	0.063 - 0.1 mm	Oil/Petroleum	None
10878794	IP1419	2.00	Black	Clinker	0.1 - 2 mm	Stones	Vegetation
10878801	IP1419	3.00	Dark Brown	Clinker	0.1 - 2 mm	Vegetation	Stones
10878807	IP1419	4.00	Light Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	Vegetation
10879123	IP1419	0.80	Black	Sandy Loam	0.1 - 2 mm	Stones	None
10878813	IP1420	0.80	Black	Sandy Loam	0.1 - 2 mm	Stones	None
10878820	IP1420	2.00	Black	Clinker	0.1 - 2 mm	None	None
10878824	IP1420	3.00	Black	Clinker	0.1 - 2 mm	None	None
10878833	IP1420	4.00	Light Brown	Silt Loam	0.063 - 0.1 mm	Oil/Petroleum	None
10878977	IP1563	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Vegetation	Brick
10878982	IP1585	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Brick
10878989	IP1585	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
10878973	IP1586	0.50	Dark Brown	Sand	0.1 - 2 mm	Stones	Vegetation
10878785	TPE0592	0.50	Black	Sand	0.1 - 2 mm	Stones	N/A
10878854	TPE0592	1.60	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
10878914	TPE0592	2.70	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Oil/Petroleum	None
10878969	TPE0592	3.80	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Oil/Petroleum	None
10879015	TPE0594	0.50	Grey	Sand	0.1 - 2 mm	Oil/Petroleum	Stones
10879020	TPE0594	1.50	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	Vegetation
10879039	TPE0594	2.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
10879049	TPE0594	3.50	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	Vegetation
10879086	TPE0595	0.50	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	Vegetation
10879097	TPE0595	1.50	Light Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
10879033	TPE0640	0.50	Black	Clinker	2 - 10 mm	None	None

CERTIFICATE OF ANALYSIS

SDG:	150221-45	**Location:**	Coed Darcy	**Order Number:**	CD1103
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310972
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

			Colour	Description	Grain size	Inclusions	Inclusions 2
10879109	TPE0640	1.60	Black	Clinker	0.1 - 2 mm	Stones	None
10879115	TPE0640	2.70	Light Brown	Sandy Clay	0.1 - 2 mm	None	None
10879119	TPE0640	3.80	Black	Stone/Soil	0.1 - 2 mm	Concrete/Aggregate	Stones
10878837	TPE0649	0.80	Black	Sandy Loam	0.1 - 2 mm	Stones	None
10878842	TPE0649	2.00	Black	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
10878850	TPE0649	3.00	Black	Clinker	0.1 - 2 mm	N/A	None
10878861	TPE0649	4.00	Black	Sandy Loam	0.1 - 2 mm	Stones	None
10878866	TPE0677	0.80	Black	Sand	0.1 - 2 mm	Stones	None
10878873	TPE0677	2.00	Black	Clinker	0.1 - 2 mm	None	None
10878878	TPE0677	3.00	Black	N/A	0.1 - 2 mm	None	None
10878883	TPE0677	4.00	Light Brown	Silt Loam	0.063 - 0.1 mm	N/A	None
10878961	TPE0725	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
10878965	TPE0725	1.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Brick
10878933	TPE0816	0.50	Light Brown	Silt Loam	0.063 - 0.1 mm	Stones	Brick
10878938	TPE0816	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Oil/Petroleum
10878942	TPE0901	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
10878949	TPE0901	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Oil/Petroleum
10878953	TPE6311	0.50	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:	150221-45	**Location:**	Coed Darcy	**Order Number:**	CD1103
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310972
Client Reference:	Site Wide Trial Pitting	**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	IP1295	IP1295	IP1295	IP1350	IP1350	IP1351
			Depth (m)	0.50	1.50	2.50	0.50	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-45	150221-45	150221-45	150221-45	150221-45	150221-45
			Lab Sample No.(s)	10879058	10879066	10879075	10879003	10879007	10878994
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		13	23	25	15	18	19
pH	1 pH Units	TM133		8.5 M	6.19 M	6.34 M	7.93 M	6.67 M	5.68 M
Arsenic	<0.6 mg/kg	TM181		14.7 M	66.8 M	19.1 M	270 M	33.1 M	8.78 M
Cadmium	<0.02 mg/kg	TM181		0.688 M	2.12 M	1.15 M	4.71 M	1.13 M	0.326 M
Chromium	<0.9 mg/kg	TM181		52.6 M	17.5 M	11.7 M	19.6 M	13.2 M	12 M
Copper	<1.4 mg/kg	TM181		42.7 M	68.5 M	31.3 M	1530 M	68.7 M	12.8 M
Lead	<0.7 mg/kg	TM181		110 M	27.1 M	17.4 M	1660 M	42.6 M	15.3 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		20.7 M	13.2 M	9.02 M	40.8 M	23.4 M	12.1 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<10 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		22.3 #	34.4 #	20 #	41.3 #	16 #	15.9 #
Zinc	<1.9 mg/kg	TM181		226 M	163 M	141 M	4840 M	136 M	27.5 M

CERTIFICATE OF ANALYSIS

SDG:	150221-45	**Location:**	Coed Darcy	**Order Number:**	CD1103
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310972
Client Reference:	Site Wide Trial Pitting	**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	IP1351	IP1417	IP1417	IP1417	IP1417	IP1418
			Depth (m)	1.50	0.80	2.00	3.00	4.80	0.80
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-45	150221-45	150221-45	150221-45	150221-45	150221-45
			Lab Sample No.(s)	10878998	10878887	10878891	10878896	10878901	10878909
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		9.9	26	26	25	44	23
Soil Organic Matter (SOM)	<0.35 %	TM132						10.8 #	
pH	1 pH Units	TM133		5.81 M	5.68 M	5.61 M	5.72 M	7.87 M	7.22 M
Arsenic	<0.6 mg/kg	TM181		6.15 M	39.4 M	37.4 M	32.7 M	4.43 M	37.2 M
Cadmium	<0.02 mg/kg	TM181		0.52 M	0.348 M	0.394 M	0.452 M	0.546 M	1.08 M
Chromium	<0.9 mg/kg	TM181		12.1 M	6.86 M	13.6 M	14 M	4.22 M	24.1 M
Copper	<1.4 mg/kg	TM181		11.3 M	44.8 M	54.2 M	56.2 M	9.08 M	100 M
Lead	<0.7 mg/kg	TM181		11.3 M	20.8 M	24.4 M	11.9 M	41.2 M	161 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	2.62 M	0.412 M
Nickel	<0.2 mg/kg	TM181		24.5 M	26 M	35.4 M	31.8 M	11.7 M	50.5 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		11.7 #	20.6 #	35.9 #	45.1 #	5.51 #	43.2 #
Zinc	<1.9 mg/kg	TM181		51.6 M	35.7 M	42 M	19.5 M	95.6 M	573 M

CERTIFICATE OF ANALYSIS

SDG:	150221-45	**Location:**	Coed Darcy	**Order Number:**	CD1103
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310972
Client Reference:	Site Wide Trial Pitting	**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	IP1418	IP1418	IP1418	IP1419	IP1419	IP1419
			Depth (m)	2.00	3.00	4.80	0.80	2.00	3.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-45	150221-45	150221-45	150221-45	150221-45	150221-45
			Lab Sample No.(s)	10878919	10878924	10878929	10879123	10878794	10878801
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		31	30	41	19	30	28
pH	1 pH Units	TM133		5.91 #	6.39 M	7.81 M	6.83 M	6.7 #	6.84 #
Arsenic	<0.6 mg/kg	TM181		24.9 #	39.2 M	4.56 M	29 M	38.1 #	25.5 #
Cadmium	<0.02 mg/kg	TM181		0.405 #	0.4 M	0.816 M	0.512 M	0.446 #	0.353 #
Chromium	<0.9 mg/kg	TM181		7.15 #	6.84 M	6.77 M	6.64 M	7.93 #	7.55 #
Copper	<1.4 mg/kg	TM181		39.9 #	39.5 M	23.5 M	63.8 M	49.7 #	46.5 #
Lead	<0.7 mg/kg	TM181		10.8 #	25.1 M	34 M	24.5 M	28.5 #	13.2 #
Mercury	<0.14 mg/kg	TM181		<0.14 #	<0.14 M	0.597 M	2.18 M	0.283 #	0.342 #
Nickel	<0.2 mg/kg	TM181		24 #	22.4 M	5.09 M	25.6 M	22.8 #	24.9 #
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	1.14 #
Vanadium	<0.2 mg/kg	TM181		23.2 #	21.2 #	10.4 #	20.1 #	19.9 #	23.3 #
Zinc	<1.9 mg/kg	TM181		37.8 #	112 M	99.9 M	53.3 M	61.3 #	19.5 #

CERTIFICATE OF ANALYSIS

SDG:	150221-45	**Location:**	Coed Darcy	**Order Number:**	CD1103
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310972
Client Reference:	Site Wide Trial Pitting	**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	IP1419	IP1420	IP1420	IP1420	IP1420	IP1563
			Depth (m)	4.00	0.80	2.00	3.00	4.00	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-45	150221-45	150221-45	150221-45	150221-45	150221-45
			Lab Sample No.(s)	10878807	10878813	10878820	10878824	10878833	10878977
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		38	18	24	26	46	19
pH	1 pH Units	TM133		12 M	6.98 M	7.44 #	6.89 #	9.1 M	4.89 M
Arsenic	<0.6 mg/kg	TM181		15.4 M	23.1 M	26.5 #	29 #	4.95 M	85.6 M
Cadmium	<0.02 mg/kg	TM181		0.62 M	0.488 M	1.64 #	0.587 #	0.339 M	0.552 M
Chromium	<0.9 mg/kg	TM181		6.76 M	7.59 M	9.12 #	10.2 #	4.69 M	11.9 M
Copper	<1.4 mg/kg	TM181		31.4 M	53.4 M	58.8 #	52 #	10.7 M	86.4 M
Lead	<0.7 mg/kg	TM181		42.1 M	15.4 M	123 #	62.3 #	62.6 M	54.3 M
Mercury	<0.14 mg/kg	TM181		1.99 M	<0.14 M	<0.14 #	0.228 #	0.92 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		8.31 M	27.8 M	26.9 #	28.2 #	7.22 M	17 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		10.4 #	20.8 #	25.2 #	24.1 #	10.8 #	16.1 #
Zinc	<1.9 mg/kg	TM181		70.2 M	318 M	267 #	242 #	57.3 M	72.3 M

CERTIFICATE OF ANALYSIS

SDG:	150221-45	**Location:**	Coed Darcy	**Order Number:**	CD1103
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310972
Client Reference:	Site Wide Trial Pitting	**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.
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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 R	IP1585	IP1585	IP1586	TPE0592	TPE0592	TPE0592
			Depth (m)	0.50	1.50	0.50	0.50	1.60	2.70
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-45	150221-45	150221-45	150221-45	150221-45	150221-45
			Lab Sample No.(s)	10878982	10878989	10878973	10878785	10878854	10878914
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		21	14	11	20	23	22
Soil Organic Matter (SOM)	<0.35 %	TM132					42.8 #		
pH	1 pH Units	TM133		7.19 M	7.47 M	6.95 M	7.88 M	7.26 M	6.44 M
Arsenic	<0.6 mg/kg	TM181		43.2 M	19.8 M	9.61 M	16.5 M	20.9 M	30 M
Cadmium	<0.02 mg/kg	TM181		2.17 M	0.869 M	0.538 M	0.803 M	0.638 M	2.09 M
Chromium	<0.9 mg/kg	TM181		18.8 M	14.3 M	9.72 M	12.4 M	30.6 M	17.2 M
Copper	<1.4 mg/kg	TM181		113 M	36.1 M	18.7 M	54.2 M	77.6 M	34.2 M
Lead	<0.7 mg/kg	TM181		351 M	45.1 M	16.9 M	46.2 M	32.1 M	29.1 M
Mercury	<0.14 mg/kg	TM181		0.388 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<1.4 M
Nickel	<0.2 mg/kg	TM181		39.7 M	24.1 M	19.8 M	38.4 M	184 M	20.8 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
Vanadium	<0.2 mg/kg	TM181		34.7 #	16.6 #	10.6 #	28.5 #	261 #	24.7 #
Zinc	<1.9 mg/kg	TM181		468 M	165 M	79.7 M	134 M	46 M	118 M

CERTIFICATE OF ANALYSIS

SDG:	150221-45	**Location:**	Coed Darcy	**Order Number:**	CD1103
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310972
Client Reference:	Site Wide Trial Pitting	**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	TPE0592	TPE0594	TPE0594	TPE0594	TPE0594	TPE0595
			Depth (m)	3.80	0.50	1.50	2.50	3.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-45	150221-45	150221-45	150221-45	150221-45	150221-45
			Lab Sample No.(s)	10878969	10879015	10879020	10879039	10879049	10879086
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		21	18	17	15	10	13
Soil Organic Matter (SOM)	<0.35 %	TM132			25.7 #				1.39 #
pH	1 pH Units	TM133		5.39 M	5.72 M	6.15 M	4.88 M	5.28 M	6.15 M
Arsenic	<0.6 mg/kg	TM181		34.4 M	20.1 M	27.9 M	4.51 M	6.44 M	7.9 M
Cadmium	<0.02 mg/kg	TM181		0.995 M	0.881 M	1.14 M	0.506 M	0.69 M	0.578 M
Chromium	<0.9 mg/kg	TM181		14.2 M	14 M	14.7 M	10.4 M	11.5 M	12 M
Copper	<1.4 mg/kg	TM181		73.5 M	44.9 M	58.4 M	13 M	10.6 M	14.2 M
Lead	<0.7 mg/kg	TM181		30.1 M	71.2 M	29.2 M	12.1 M	10.9 M	13.8 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		27.9 M	29.1 M	19.4 M	18 M	24.7 M	24 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		59.6 #	23 #	16.4 #	11.7 #	11.4 #	12.5 #
Zinc	<1.9 mg/kg	TM181		83.7 M	164 M	107 M	47.2 M	54.1 M	51.8 M

CERTIFICATE OF ANALYSIS

SDG:	150221-45	**Location:**	Coed Darcy	**Order Number:**	CD1103
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310972
Client Reference:	Site Wide Trial Pitting	**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	TPE0595	TPE0640	TPE0640	TPE0640	TPE0640	TPE0649
			Depth (m)	1.50	0.50	1.60	2.70	3.80	0.80
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-45	150221-45	150221-45	150221-45	150221-45	150221-45
			Lab Sample No.(s)	10879097	10879033	10879109	10879115	10879119	10878837
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		12	23	30	49	27	21
Soil Organic Matter (SOM)	<0.35 %	TM132				92.4 #			63.3 #
pH	1 pH Units	TM133		7.11 M	7.42 #	8.06 #	7.94 M	11.8 M	7.49 M
Arsenic	<0.6 mg/kg	TM181		7.04 M	15.4 #	18.3 #	6.2 M	20.5 M	35.6 M
Cadmium	<0.02 mg/kg	TM181		0.587 M	0.279 #	1.13 #	0.34 M	0.83 M	0.488 M
Chromium	<0.9 mg/kg	TM181		10.4 M	4.29 #	9.07 #	4.29 M	10.4 M	15.6 M
Copper	<1.4 mg/kg	TM181		9.97 M	42.1 #	83.1 #	99.6 M	65.7 M	87.3 M
Lead	<0.7 mg/kg	TM181		9.31 M	26.9 #	73.2 #	41.1 M	45.5 M	57.6 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 #	0.606 #	<0.14 M	0.746 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		26.2 M	12 #	25.4 #	8.42 M	29.5 M	56.2 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		10.5 #	12.3 #	24.6 #	4.93 #	26.9 #	59.8 #
Zinc	<1.9 mg/kg	TM181		55.9 M	97.4 #	324 #	109 M	223 M	111 M

CERTIFICATE OF ANALYSIS

SDG:	150221-45	**Location:**	Coed Darcy	**Order Number:**	CD1103
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310972
Client Reference:	Site Wide Trial Pitting	**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	TPE0649	TPE0649	TPE0649	TPE0677	TPE0677	TPE0677
			Depth (m)	2.00	3.00	4.00	0.80	2.00	3.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-45	150221-45	150221-45	150221-45	150221-45	150221-45
			Lab Sample No.(s)	10878842	10878850	10878861	10878866	10878873	10878878
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		22	20	19	30	31	30
pH	1 pH Units	TM133		7.03 M	7.1 #	7.73 M	7.27 M	6.63 #	6.53
Arsenic	<0.6 mg/kg	TM181		30.5 M	19.2 #	19.4 M	17.6 M	23.3 #	32
Cadmium	<0.02 mg/kg	TM181		0.594 M	0.726 #	0.556 M	0.338 M	0.377 #	0.399
Chromium	<0.9 mg/kg	TM181		16.5 M	14.3 #	14.1 M	5 M	7.24 #	7.45
Copper	<1.4 mg/kg	TM181		57.9 M	49.7 #	41.8 M	35.5 M	39.9 #	37
Lead	<0.7 mg/kg	TM181		39.5 M	39.5 #	25.6 M	23.1 M	10.5 #	10.2
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 #	<0.14 M	<0.14 M	<0.14 #	<0.14
Nickel	<0.2 mg/kg	TM181		38.2 M	32.4 #	33.6 M	20 M	24 #	30.8
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1
Vanadium	<0.2 mg/kg	TM181		50.7 #	37.3 #	41.2 #	11.5 #	20.1 #	26.3
Zinc	<1.9 mg/kg	TM181		86.5 M	108 #	62.3 M	44.6 M	17.1 #	22.5

CERTIFICATE OF ANALYSIS

SDG:	150221-45	**Location:**	Coed Darcy	**Order Number:**	CD1103
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310972
Client Reference:	Site Wide Trial Pitting	**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	TPE0677	TPE0725	TPE0725	TPE0816	TPE0816	TPE0901
			Depth (m)	4.00	0.50	1.50	0.50	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-45	150221-45	150221-45	150221-45	150221-45	150221-45
			Lab Sample No.(s)	10878883	10878961	10878965	10878933	10878938	10878942
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		54	20	9.9	15	11	15
Soil Organic Matter (SOM)	<0.35 %	TM132			1.09 #				
pH	1 pH Units	TM133		8.03 M	7.68 M	6.56 M	7.18 M	6.62 M	7 M
Arsenic	<0.6 mg/kg	TM181		14.3 M	9.66 M	9.85 M	9.85 M	8.86 M	11.3 M
Cadmium	<0.02 mg/kg	TM181		1.17 M	0.462 M	0.606 M	0.426 M	0.687 M	0.513 M
Chromium	<0.9 mg/kg	TM181		14.6 M	18.5 M	11.5 M	15 M	11.9 M	8.4 M
Copper	<1.4 mg/kg	TM181		66.9 M	11.5 M	21 M	13.4 M	15.2 M	8.37 M
Lead	<0.7 mg/kg	TM181		97.5 M	18.8 M	19.8 M	15.2 M	13.9 M	15.4 M
Mercury	<0.14 mg/kg	TM181		7.84 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		97.8 M	12 M	33.5 M	15.9 M	25 M	18.5 M
Selenium	<1 mg/kg	TM181		1.13 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		39.3 #	25.8 #	12.7 #	18.2 #	12.5 #	7.77 #
Zinc	<1.9 mg/kg	TM181		148 M	54.9 M	82.3 M	44.6 M	65.2 M	52.4 M

CERTIFICATE OF ANALYSIS

SDG:	150221-45	**Location:**	Coed Darcy	**Order Number:**	CD1103
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310972
Client Reference:	Site Wide Trial Pitting	**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	TPE0901	TPE6311				
			Depth (m)	1.50	0.50				
			Sample Type	Soil/Solid	Soil/Solid				
			Date Sampled	16/02/2015	16/02/2015				
			Sample Time	.	.				
			Date Received	21/02/2015	21/02/2015				
			SDG Ref	150221-45	150221-45				
			Lab Sample No.(s)	10878949	10878953				
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		12	14				
pH	1 pH Units	TM133		6.24 M	7.69 M				
Arsenic	<0.6 mg/kg	TM181		7.49 M	11.9 M				
Cadmium	<0.02 mg/kg	TM181		0.582 M	0.807 M				
Chromium	<0.9 mg/kg	TM181		11.5 M	18.2 M				
Copper	<1.4 mg/kg	TM181		15.5 M	25.5 M				
Lead	<0.7 mg/kg	TM181		16.5 M	109 M				
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M				
Nickel	<0.2 mg/kg	TM181		25 M	28.2 M				
Selenium	<1 mg/kg	TM181		<1 #	<1 #				
Vanadium	<0.2 mg/kg	TM181		11.7 #	14.7 #				
Zinc	<1.9 mg/kg	TM181		68.2 M	144 M				

CERTIFICATE OF ANALYSIS

SDG:	150221-45	**Location:**	Coed Darcy	**Order Number:**	CD1103
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310972
Client Reference:	Site Wide Trial Pitting	**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	IP1295	IP1295	IP1295	IP1350	IP1350	IP1351
			Depth (m)	0.50	1.50	2.50	0.50	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-45	150221-45	150221-45	150221-45	150221-45	150221-45
			Lab Sample No.(s)	10879058	10879066	10879075	10879003	10879007	10878994
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		120	102	116	108	105	108
Acenaphthene-d10 % recovery**	%	TM218		118	104	113	109	104	108
Phenanthrene-d10 % recovery**	%	TM218		118	102	114	108	102	108
Chrysene-d12 % recovery**	%	TM218		109	96.9	119	100	97.3	105
Perylene-d12 % recovery**	%	TM218		109	89.4	123	99.1	101	107
Naphthalene	<9 µg/kg	TM218		696 @ M	219 @ M	221 @ M	80.5 @ M	44.9 M	917 @ M
Acenaphthylene	<12 µg/kg	TM218		108 @ M	165 @ M	<12 @ M	<12 @ M	18.2 M	64.6 @ M
Acenaphthene	<8 µg/kg	TM218		171 @ M	282 @ M	397 @ M	11.1 @ M	13.2 M	334 @ M
Fluorene	<10 µg/kg	TM218		226 @ M	967 @ M	1250 @ M	22.3 @ M	<10 M	634 @ M
Phenanthrene	<15 µg/kg	TM218		759 @ M	1110 @ M	1580 @ M	309 @ M	112 M	1000 @ M
Anthracene	<16 µg/kg	TM218		275 @ M	341 @ M	295 @ M	42.1 @ M	20.7 M	159 @ M
Fluoranthene	<17 µg/kg	TM218		1420 @ M	73.4 @ M	82.9 @ M	293 @ M	55.8 M	42.8 @ M
Pyrene	<15 µg/kg	TM218		1170 @ M	129 @ M	115 @ M	249 @ M	42.9 M	71.5 @ M
Benz(a)anthracene	<14 µg/kg	TM218		845 @ M	<14 @ M	32.9 @ M	181 @ M	<14 M	19.4 @ M
Chrysene	<10 µg/kg	TM218		955 @ M	16.8 @ M	24 @ M	241 @ M	53.8 M	<10 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		1920 @ M	<15 @ M	<15 @ M	355 @ M	72.5 M	71.7 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		777 @ M	<14 @ M	<14 @ M	106 @ M	17.6 M	<14 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		1160 @ M	<15 @ M	<15 @ M	181 @ M	23 M	<15 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		1040 @ M	<18 @ M	<18 @ M	108 @ M	<18 M	<18 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		352 @ M	<23 @ M	<23 @ M	45.8 @ M	<23 M	<23 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		1320 @ M	<24 @ M	<24 @ M	143 @ M	<24 M	<24 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		13200	3310	4000	2370	474	3320

CERTIFICATE OF ANALYSIS

SDG:	150221-45	**Location:**	Coed Darcy	**Order Number:**	CD1103
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310972
Client Reference:	Site Wide Trial Pitting	**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	IP1351	IP1417	IP1417	IP1417	IP1417	IP1418
			Depth (m)	1.50	0.80	2.00	3.00	4.80	0.80
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-45	150221-45	150221-45	150221-45	150221-45	150221-45
			Lab Sample No.(s)	10878998	10878887	10878891	10878896	10878901	10878909
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		99.7	101	101	98.7	119	94.3
Acenaphthene-d10 % recovery**	%	TM218		99.6	103	99.1	98.8	119	97.6
Phenanthrene-d10 % recovery**	%	TM218		98.6	89.2	90.1	85.3	109	94
Chrysene-d12 % recovery**	%	TM218		98.3	60.8	76	64	117	90.9
Perylene-d12 % recovery**	%	TM218		97.8	51.7	64.5	57.3	119	107
Naphthalene	<9 µg/kg	TM218		46.7 @ M	85.3 @ M	32.4 @ M	102 @ M	2240 @ M	151 @ M
Acenaphthylene	<12 µg/kg	TM218		<12 @ M	<12 @ M	<12 @ M	16.5 @ M	596 @ M	139 @ M
Acenaphthene	<8 µg/kg	TM218		<8 @ M	<8 @ M	<8 @ M	<8 @ M	1370 @ M	61.2 @ M
Fluorene	<10 µg/kg	TM218		203 @ M	<10 @ M	<10 @ M	<10 @ M	2740 @ M	59.6 @ M
Phenanthrene	<15 µg/kg	TM218		296 @ M	130 @ M	77 @ M	109 @ M	3230 @ M	575 @ M
Anthracene	<16 µg/kg	TM218		88.5 @ M	<16 @ M	<16 @ M	<16 @ M	826 @ M	253 @ M
Fluoranthene	<17 µg/kg	TM218		31.9 @ M	68.2 @ M	62.7 @ M	65.3 @ M	248 @ M	2140 @ M
Pyrene	<15 µg/kg	TM218		44.3 @ M	64.2 @ M	63.9 @ M	61.2 @ M	843 @ M	1920 @ M
Benz(a)anthracene	<14 µg/kg	TM218		<14 @ M	53.8 @ M	66.6 @ M	58.5 @ M	114 @ M	2190 @ M
Chrysene	<10 µg/kg	TM218		25 @ M	88.3 @ M	67.1 @ M	62.5 @ M	224 @ M	2310 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		31.4 @ M	114 @ M	140 @ M	132 @ M	146 @ M	5060 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 @ M	28.2 @ M	32 @ M	30.1 @ M	26.9 @ M	1620 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 @ M	39.3 @ M	60.7 @ M	48 @ M	115 @ M	3150 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 @ M	<18 @ M	34 @ M	25.9 @ M	44.3 @ M	2240 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 @ M	<23 @ M	<23 @ M	<23 @ M	<23 @ M	811 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 @ M	<24 @ M	45.6 @ M	40.2 @ M	75.3 @ M	2600 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		767	671	682	752	12800	25300

CERTIFICATE OF ANALYSIS

SDG:	150221-45	**Location:**	Coed Darcy	**Order Number:**	CD1103
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310972
Client Reference:	Site Wide Trial Pitting	**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	IP1418	IP1418	IP1418	IP1419	IP1419	IP1419
			Depth (m)	2.00	3.00	4.80	0.80	2.00	3.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-45	150221-45	150221-45	150221-45	150221-45	150221-45
			Lab Sample No.(s)	10878919	10878924	10878929	10879123	10878794	10878801
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		91.5	115	102	120	102	196
Acenaphthene-d10 % recovery**	%	TM218		90.8	113	109	120	101	199
Phenanthrene-d10 % recovery**	%	TM218		70.6	101	93.5	114	91.1	158
Chrysene-d12 % recovery**	%	TM218		35.8	81.4	89.6	95.3	73.3	87.8
Perylene-d12 % recovery**	%	TM218		20.5	65.3	95.4	89.3	68.4	42.6
Naphthalene	<9 µg/kg	TM218		83.3 @ #	84.9 @ M	43200 @ M	145 M	45.2 @ #	218 @ #
Acenaphthylene	<12 µg/kg	TM218		<12 @ #	<12 @ M	<12 @ M	22.8 M	<12 @ #	27 @ #
Acenaphthene	<8 µg/kg	TM218		<8 @ #	<8 @ M	1440 @ M	16.4 M	<8 @ #	<8 @ #
Fluorene	<10 µg/kg	TM218		<10 @ #	<10 @ M	4430 @ M	28.3 M	<10 @ #	<10 @ #
Phenanthrene	<15 µg/kg	TM218		103 @ #	108 @ M	8490 @ M	504 M	141 @ #	291 @ #
Anthracene	<16 µg/kg	TM218		<16 @ #	<16 @ M	829 @ M	83.8 M	<16 @ #	26 @ #
Fluoranthene	<17 µg/kg	TM218		<17 @ #	89.2 @ M	699 @ M	337 M	46.6 @ #	117 @ #
Pyrene	<15 µg/kg	TM218		<15 @ #	72.1 @ M	1210 @ M	332 M	46.7 @ #	113 @ #
Benz(a)anthracene	<14 µg/kg	TM218		<14 @ #	73.3 @ M	351 @ M	233 M	<14 @ #	38.3 @ #
Chrysene	<10 µg/kg	TM218		28.3 @ #	97.2 @ M	567 @ M	355 M	55.1 @ #	88.3 @ #
Benzo(b)fluoranthene	<15 µg/kg	TM218		23.6 @ #	144 @ M	265 @ M	394 M	56.5 @ #	36.8 @ #
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 @ #	31.6 @ M	65 @ M	116 M	<14 @ #	<14 @ #
Benzo(a)pyrene	<15 µg/kg	TM218		<15 @ #	54.1 @ M	146 @ M	207 M	23.5 @ #	<15 @ #
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 @ #	31.3 @ M	59 @ M	116 M	<18 @ #	<18 @ #
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 @ #	<23 @ M	<23 @ M	70.5 M	<23 @ #	<23 @ #
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 @ #	41.4 @ M	78.1 @ M	159 M	<24 @ #	<24 @ #
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		239	826	61800	3120	415	956

CERTIFICATE OF ANALYSIS

SDG:	150221-45	**Location:**	Coed Darcy	**Order Number:**	CD1103
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310972
Client Reference:	Site Wide Trial Pitting	**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	IP1419	IP1420	IP1420	IP1420	IP1420	IP1563
			Depth (m)	4.00	0.80	2.00	3.00	4.00	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-45	150221-45	150221-45	150221-45	150221-45	150221-45
			Lab Sample No.(s)	10878807	10878813	10878820	10878824	10878833	10878977
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		106	107	102	113	101	111
Acenaphthene-d10 % recovery**	%	TM218		110	135	102	115	126	110
Phenanthrene-d10 % recovery**	%	TM218		103	91	88.7	102	110	111
Chrysene-d12 % recovery**	%	TM218		98.7	81.9	60.3	88.4	113	101
Perylene-d12 % recovery**	%	TM218		115	83.8	44	79.2	121	99.1
Naphthalene	<9 µg/kg	TM218		1440 @ M	103 @ M	553 @ #	790 @ #	294000 @ M	29.5 @ M
Acenaphthylene	<12 µg/kg	TM218		<12 @ M	<12 @ M	23.6 @ #	49.8 @ #	<60 @ M	<12 @ M
Acenaphthene	<8 µg/kg	TM218		1670 @ M	<8 @ M	<8 @ #	<8 @ #	7960 @ M	<8 @ M
Fluorene	<10 µg/kg	TM218		1490 @ M	13.1 @ M	<10 @ #	66.3 @ #	25000 @ M	<10 @ M
Phenanthrene	<15 µg/kg	TM218		2790 @ M	166 @ M	399 @ #	786 @ #	160000 @ M	233 @ M
Anthracene	<16 µg/kg	TM218		1150 @ M	<16 @ M	21.4 @ #	82.5 @ #	10900 @ M	<16 @ M
Fluoranthene	<17 µg/kg	TM218		2170 @ M	59.8 @ M	108 @ #	507 @ #	9230 @ M	136 @ M
Pyrene	<15 µg/kg	TM218		1930 @ M	80.2 @ M	103 @ #	419 @ #	21500 @ M	108 @ M
Benz(a)anthracene	<14 µg/kg	TM218		965 @ M	55.7 @ M	<14 @ #	<14 @ #	7990 @ M	64.5 @ M
Chrysene	<10 µg/kg	TM218		912 @ M	179 @ M	<10 @ #	<10 @ #	17300 @ M	118 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		865 @ M	330 @ M	142 @ #	768 @ #	3220 @ M	150 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		315 @ M	52.4 @ M	<14 @ #	<14 @ #	802 @ M	34 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		634 @ M	76.7 @ M	<15 @ #	193 @ #	2160 @ M	59.1 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		273 @ M	50.3 @ M	26.4 @ #	152 @ #	619 @ M	40.2 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		109 @ M	77 @ M	<23 @ #	138 @ #	769 @ M	<23 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		297 @ M	234 @ M	37.4 @ #	260 @ #	806 @ M	48.8 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		17000	1480	1410	4210	562000	1020

CERTIFICATE OF ANALYSIS

SDG:	150221-45	**Location:**	Coed Darcy	**Order Number:**	CD1103
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310972
Client Reference:	Site Wide Trial Pitting	**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	IP1585	IP1585	IP1586	TPE0592	TPE0592	TPE0592
			Depth (m)	0.50	1.50	0.50	0.50	1.60	2.70
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-45	150221-45	150221-45	150221-45	150221-45	150221-45
			Lab Sample No.(s)	10878982	10878989	10878973	10878785	10878854	10878914
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		122	109	107	87.5	116	113
Acenaphthene-d10 % recovery**	%	TM218		123	108	107	83.6	113	113
Phenanthrene-d10 % recovery**	%	TM218		122	109	108	73.7	105	113
Chrysene-d12 % recovery**	%	TM218		110	102	99.8	55.8	88.7	110
Perylene-d12 % recovery**	%	TM218		107	107	98.8	47.6	71.4	108
Naphthalene	<9 µg/kg	TM218		141 @ M	154 M	18.4 @ M	554 @ M	173 @ M	638 @ M
Acenaphthylene	<12 µg/kg	TM218		50 @ M	<12 M	<12 @ M	76.6 @ M	<12 @ M	<12 @ M
Acenaphthene	<8 µg/kg	TM218		62.6 @ M	14.2 M	<8 @ M	23.7 @ M	<8 @ M	24.7 @ M
Fluorene	<10 µg/kg	TM218		57.2 @ M	29.9 M	<10 @ M	25 @ M	<10 @ M	44.8 @ M
Phenanthrene	<15 µg/kg	TM218		1070 @ M	351 M	134 @ M	327 @ M	50.9 @ M	101 @ M
Anthracene	<16 µg/kg	TM218		189 @ M	34.4 M	<16 @ M	55.2 @ M	<16 @ M	<16 @ M
Fluoranthene	<17 µg/kg	TM218		1620 @ M	138 M	27.3 @ M	391 @ M	<17 @ M	41.2 @ M
Pyrene	<15 µg/kg	TM218		1330 @ M	109 M	19.1 @ M	299 @ M	<15 @ M	31.1 @ M
Benz(a)anthracene	<14 µg/kg	TM218		707 @ M	56.9 M	<14 @ M	204 @ M	<14 @ M	<14 @ M
Chrysene	<10 µg/kg	TM218		873 @ M	110 M	71.3 @ M	283 @ M	30.1 @ M	<10 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		1200 @ M	112 M	86.8 @ M	509 @ M	34.3 @ M	<15 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		432 @ M	37.4 M	<14 @ M	156 @ M	<14 @ M	<14 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		729 @ M	61.8 M	<15 @ M	210 @ M	<15 @ M	<15 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		437 @ M	47.6 M	<18 @ M	130 @ M	<18 @ M	<18 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		155 @ M	<23 M	<23 @ M	60.5 @ M	<23 @ M	<23 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		539 @ M	60.3 M	<24 @ M	157 @ M	<24 @ M	<24 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		9590	1320	357	3460	288	881

CERTIFICATE OF ANALYSIS

SDG:	150221-45	**Location:**	Coed Darcy	**Order Number:**	CD1103
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310972
Client Reference:	Site Wide Trial Pitting	**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	TPE0592	TPE0594	TPE0594	TPE0594	TPE0594	TPE0595
			Depth (m)	3.80	0.50	1.50	2.50	3.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-45	150221-45	150221-45	150221-45	150221-45	150221-45
			Lab Sample No.(s)	10878969	10879015	10879020	10879039	10879049	10879086
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		105	111	107	116	102	105
Acenaphthene-d10 % recovery**	%	TM218		101	108	106	115	99.6	102
Phenanthrene-d10 % recovery**	%	TM218		97.8	103	106	115	99.2	102
Chrysene-d12 % recovery**	%	TM218		94.4	93.5	98.1	107	87.6	93.8
Perylene-d12 % recovery**	%	TM218		90.9	90	89.7	115	79.6	92.8
Naphthalene	<9 µg/kg	TM218		225 @ M	1980 @ M	244 @ M	<9 @ M	17.6 @ M	<9 @ M
Acenaphthylene	<12 µg/kg	TM218		<12 @ M	<12 @ M	29.4 @ M	<12 @ M	<12 @ M	<12 @ M
Acenaphthene	<8 µg/kg	TM218		51.2 @ M	2990 @ M	56 @ M	<8 @ M	<8 @ M	<8 @ M
Fluorene	<10 µg/kg	TM218		58 @ M	4250 @ M	206 @ M	<10 @ M	16.9 @ M	<10 @ M
Phenanthrene	<15 µg/kg	TM218		98.2 @ M	3220 @ M	335 @ M	43.6 @ M	68.5 @ M	74.1 @ M
Anthracene	<16 µg/kg	TM218		22 @ M	2430 @ M	75.9 @ M	<16 @ M	<16 @ M	<16 @ M
Fluoranthene	<17 µg/kg	TM218		55.1 @ M	3030 @ M	36.7 @ M	21.9 @ M	<17 @ M	<17 @ M
Pyrene	<15 µg/kg	TM218		54.6 @ M	2530 @ M	38.5 @ M	19.7 @ M	<15 @ M	<15 @ M
Benz(a)anthracene	<14 µg/kg	TM218		<14 @ M	1290 @ M	<14 @ M	<14 @ M	<14 @ M	<14 @ M
Chrysene	<10 µg/kg	TM218		22 @ M	1330 @ M	33.9 @ M	34.1 @ M	21.5 @ M	28.3 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		32.9 @ M	2210 @ M	23.3 @ M	44 @ M	25 @ M	46.9 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 @ M	748 @ M	<14 @ M	<14 @ M	<14 @ M	<14 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 @ M	986 @ M	<15 @ M	<15 @ M	<15 @ M	<15 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 @ M	574 @ M	<18 @ M	<18 @ M	<18 @ M	<18 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 @ M	303 @ M	<23 @ M	<23 @ M	<23 @ M	<23 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 @ M	680 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		619	28500	1080	163	149	149

CERTIFICATE OF ANALYSIS

SDG:	150221-45	**Location:**	Coed Darcy	**Order Number:**	CD1103
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310972
Client Reference:	Site Wide Trial Pitting	**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	TPE0595	TPE0640	TPE0640	TPE0640	TPE0640	TPE0649
			Depth (m)	1.50	0.50	1.60	2.70	3.80	0.80
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-45	150221-45	150221-45	150221-45	150221-45	150221-45
			Lab Sample No.(s)	10879097	10879033	10879109	10879115	10879119	10878837
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		102	78.7	123	115	121	121
Acenaphthene-d10 % recovery**	%	TM218		98.5	75.1	122	114	124	115
Phenanthrene-d10 % recovery**	%	TM218		97.5	49.4	114	113	116	112
Chrysene-d12 % recovery**	%	TM218		85.7	16.2	105	114	120	113
Perylene-d12 % recovery**	%	TM218		72.7	7.26	100	116	124	114
Naphthalene	<9 µg/kg	TM218		<9 @ M	674 @ #	598 @ #	60.8 @ M	1150 @ M	488 @ M
Acenaphthylene	<12 µg/kg	TM218		<12 @ M	133 @ #	<60 @ #	<12 @ M	<120 @ M	347 @ M
Acenaphthene	<8 µg/kg	TM218		<8 @ M	13 @ #	<40 @ #	<8 @ M	<80 @ M	604 @ M
Fluorene	<10 µg/kg	TM218		<10 @ M	40.9 @ #	89.7 @ #	<10 @ M	193 @ M	741 @ M
Phenanthrene	<15 µg/kg	TM218		77.4 @ M	205 @ #	1710 @ #	106 @ M	2330 @ M	6880 @ M
Anthracene	<16 µg/kg	TM218		<16 @ M	25.5 @ #	449 @ #	43.2 @ M	471 @ M	4190 @ M
Fluoranthene	<17 µg/kg	TM218		<17 @ M	43.7 @ #	442 @ #	173 @ M	556 @ M	46200 @ M
Pyrene	<15 µg/kg	TM218		<15 @ M	51.3 @ #	2140 @ #	244 @ M	1900 @ M	33100 @ M
Benz(a)anthracene	<14 µg/kg	TM218		<14 @ M	27.3 @ #	920 @ #	200 @ M	872 @ M	40400 @ M
Chrysene	<10 µg/kg	TM218		24.5 @ M	48 @ #	2150 @ #	168 @ M	1640 @ M	37100 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		<15 @ M	40.1 @ #	1360 @ #	285 @ M	1130 @ M	58000 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 @ M	23.3 @ #	189 @ #	100 @ M	331 @ M	19100 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 @ M	25.3 @ #	589 @ #	201 @ M	662 @ M	34500 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 @ M	<18 @ #	305 @ #	112 @ M	395 @ M	19500 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 @ M	<23 @ #	368 @ #	50.5 @ M	450 @ M	9140 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 @ M	<24 @ #	848 @ #	170 @ M	873 @ M	19700 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		<118	1350	12200	1910	12900	330000

CERTIFICATE OF ANALYSIS

SDG:	150221-45	**Location:**	Coed Darcy	**Order Number:**	CD1103
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310972
Client Reference:	Site Wide Trial Pitting	**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	TPE0649	TPE0649	TPE0649	TPE0677	TPE0677	TPE0677
			Depth (m)	2.00	3.00	4.00	0.80	2.00	3.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-45	150221-45	150221-45	150221-45	150221-45	150221-45
			Lab Sample No.(s)	10878842	10878850	10878861	10878866	10878873	10878878
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		94.7	109	104	116	114	102
Acenaphthene-d10 % recovery**	%	TM218		93.7	111	102	117	116	104
Phenanthrene-d10 % recovery**	%	TM218		87.4	104	97.2	110	94.7	87.9
Chrysene-d12 % recovery**	%	TM218		79	96.7	95.2	99.2	58	61.2
Perylene-d12 % recovery**	%	TM218		77.1	90.1	90.7	96.9	40.2	46.9
Naphthalene	<9 µg/kg	TM218		169 M	145 @ #	103 @ M	89.4 @ M	213 @ #	297 @ #
Acenaphthylene	<12 µg/kg	TM218		72.4 M	40.1 @ #	47.5 @ M	<12 @ M	23.9 @ #	46.4 @ #
Acenaphthene	<8 µg/kg	TM218		49.9 M	74.1 @ #	64.5 @ M	<8 @ M	<8 @ #	<8 @ #
Fluorene	<10 µg/kg	TM218		61 M	77.3 @ #	75.5 @ M	<10 @ M	<10 @ #	31.5 @ #
Phenanthrene	<15 µg/kg	TM218		518 M	791 @ #	612 @ M	193 @ M	289 @ #	317 @ #
Anthracene	<16 µg/kg	TM218		256 M	256 @ #	257 @ M	<16 @ M	<16 @ #	35.1 @ #
Fluoranthene	<17 µg/kg	TM218		3080 M	2000 @ #	3010 @ M	41.4 @ M	55.6 @ #	229 @ #
Pyrene	<15 µg/kg	TM218		2680 M	1480 @ #	2470 @ M	33.4 @ M	80.7 @ #	260 @ #
Benz(a)anthracene	<14 µg/kg	TM218		3020 M	1490 @ #	2800 @ M	<14 @ M	<14 @ #	166 @ #
Chrysene	<10 µg/kg	TM218		2810 M	1530 @ #	2580 @ M	<10 @ M	68 @ #	226 @ #
Benzo(b)fluoranthene	<15 µg/kg	TM218		5520 M	2420 @ #	5310 @ M	369 @ M	59.3 @ #	345 @ #
Benzo(k)fluoranthene	<14 µg/kg	TM218		1800 M	868 @ #	1610 @ M	<14 @ M	<14 @ #	108 @ #
Benzo(a)pyrene	<15 µg/kg	TM218		3190 M	1340 @ #	3010 @ M	<15 @ M	<15 @ #	123 @ #
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		1950 M	882 @ #	1710 @ M	<18 @ M	<18 @ #	78.5 @ #
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		892 M	436 @ #	798 @ M	<23 @ M	<23 @ #	41.7 @ #
Benzo(g,h,i)perylene	<24 µg/kg	TM218		2050 M	1040 @ #	1890 @ M	202 @ M	<24 @ #	107 @ #
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		28100	14900	26400	927	790	2410

CERTIFICATE OF ANALYSIS

SDG:	150221-45	**Location:**	Coed Darcy	**Order Number:**	CD1103
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310972
Client Reference:	Site Wide Trial Pitting	**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	TPE0677	TPE0725	TPE0725	TPE0816	TPE0816	TPE0901
			Depth (m)	4.00	0.50	1.50	0.50	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-45	150221-45	150221-45	150221-45	150221-45	150221-45
			Lab Sample No.(s)	10878883	10878961	10878965	10878933	10878938	10878942
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		120	111	106	121	102	107
Acenaphthene-d10 % recovery**	%	TM218		120	110	106	121	98.2	107
Phenanthrene-d10 % recovery**	%	TM218		113	111	107	121	95.8	108
Chrysene-d12 % recovery**	%	TM218		115	102	96.7	112	95	99.2
Perylene-d12 % recovery**	%	TM218		114	102	92.1	110	94.2	97.6
Naphthalene	<9 µg/kg	TM218		196 @ M	<9 @ M	32.9 @ M	<9 @ M	1040 @ M	41.9 @ M
Acenaphthylene	<12 µg/kg	TM218		44.1 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
Acenaphthene	<8 µg/kg	TM218		64 @ M	<8 @ M	<8 @ M	<8 @ M	17.9 @ M	<8 @ M
Fluorene	<10 µg/kg	TM218		<10 @ M	<10 @ M	<10 @ M	<10 @ M	54.1 @ M	<10 @ M
Phenanthrene	<15 µg/kg	TM218		123 @ M	24.3 @ M	239 @ M	37 @ M	129 @ M	46.1 @ M
Anthracene	<16 µg/kg	TM218		73.2 @ M	<16 @ M	<16 @ M	<16 @ M	<16 @ M	<16 @ M
Fluoranthene	<17 µg/kg	TM218		<17 @ M	<17 @ M	19.2 @ M	<17 @ M	<17 @ M	<17 @ M
Pyrene	<15 µg/kg	TM218		114 @ M	<15 @ M	<15 @ M	<15 @ M	<15 @ M	<15 @ M
Benz(a)anthracene	<14 µg/kg	TM218		<14 @ M	<14 @ M	<14 @ M	23.6 @ M	<14 @ M	23.1 @ M
Chrysene	<10 µg/kg	TM218		<10 @ M	<10 @ M	118 @ M	17.4 @ M	30.9 @ M	24.3 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		48.3 @ M	<15 @ M	97.4 @ M	<15 @ M	28 @ M	26.4 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 @ M	<14 @ M	<14 @ M	<14 @ M	<14 @ M	<14 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		64.7 @ M	<15 @ M	<15 @ M	<15 @ M	<15 @ M	<15 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 @ M	<18 @ M	<18 @ M	<18 @ M	<18 @ M	<18 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 @ M	<23 @ M	<23 @ M	<23 @ M	<23 @ M	<23 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		175 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		902	<118	507	<118	1300	162

CERTIFICATE OF ANALYSIS

SDG:	150221-45	**Location:**	Coed Darcy	**Order Number:**	CD1103
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310972
Client Reference:	Site Wide Trial Pitting	**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	TPE0901	TPE6311				
			Depth (m)	1.50	0.50				
			Sample Type	Soil/Solid	Soil/Solid				
			Date Sampled	16/02/2015	16/02/2015				
			Sample Time	.	.				
			Date Received	21/02/2015	21/02/2015				
			SDG Ref	150221-45	150221-45				
			Lab Sample No.(s)	10878949	10878953				
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		102	107				
Acenaphthene-d10 % recovery**	%	TM218		98.2	106				
Phenanthrene-d10 % recovery**	%	TM218		97.1	108				
Chrysene-d12 % recovery**	%	TM218		94.7	99.2				
Perylene-d12 % recovery**	%	TM218		93.4	97.7				
Naphthalene	<9 µg/kg	TM218		83.5 @ M	34.7 @ M				
Acenaphthylene	<12 µg/kg	TM218		<12 @ M	<12 @ M				
Acenaphthene	<8 µg/kg	TM218		11.6 @ M	20.8 @ M				
Fluorene	<10 µg/kg	TM218		35.5 @ M	14.4 @ M				
Phenanthrene	<15 µg/kg	TM218		117 @ M	337 @ M				
Anthracene	<16 µg/kg	TM218		<16 @ M	<16 @ M				
Fluoranthene	<17 µg/kg	TM218		69.4 @ M	307 @ M				
Pyrene	<15 µg/kg	TM218		57.4 @ M	252 @ M				
Benz(a)anthracene	<14 µg/kg	TM218		25.9 @ M	74.4 @ M				
Chrysene	<10 µg/kg	TM218		62.8 @ M	146 @ M				
Benzo(b)fluoranthene	<15 µg/kg	TM218		59.9 @ M	223 @ M				
Benzo(k)fluoranthene	<14 µg/kg	TM218		16.7 @ M	78.8 @ M				
Benzo(a)pyrene	<15 µg/kg	TM218		24.4 @ M	112 @ M				
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 @ M	80.5 @ M				
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 @ M	<23 @ M				
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 @ M	113 @ M				
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		564	1790				

CERTIFICATE OF ANALYSIS

SDG:	150221-45	**Location:**	Coed Darcy	**Order Number:**	CD1103
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310972
Client Reference:	Site Wide Trial Pitting	**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	IP1295	IP1295	IP1295	IP1350	IP1350	IP1351
			Depth (m)	0.50	1.50	2.50	0.50	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-45	150221-45	150221-45	150221-45	150221-45	150221-45
			Lab Sample No.(s)	10879058	10879066	10879075	10879003	10879007	10878994
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		78 @	81 @	78 @	68 @	89 @	104 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		1310 @ M	1580 @ M	46800 @ M	<176 @ M	1030 @ M	75900 @ 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		74.8 @ M	<40 @ M	<40 @ M	<40 @ M	<40 @ M	<40 @ M
Toluene	<2 µg/kg	TM089		248 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M
Ethylbenzene	<3 µg/kg	TM089		29.9 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
m,p-Xylene	<6 µg/kg	TM089		109 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M
o-Xylene	<3 µg/kg	TM089		21.9 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		131 @	<9 @	<9 @	<9 @	<9 @	<9 @
sum of detected BTEX by GC	<24 µg/kg	TM089		484 @	<24 @	<24 @	<24 @	<24 @	<24 @
Aliphatics >C5-C6	<10 µg/kg	TM089		46 @	74.1 @	<40 @	<40 @	<40 @	52.1 @
Aliphatics >C6-C8	<10 µg/kg	TM089		125 @	142 @	817 @	47.2 @	46.4 @	1340 @
Aliphatics >C8-C10	<10 µg/kg	TM089		122 @	234 @	5320 @	<40 @	163 @	7910 @
Aliphatics >C10-C12	<10 µg/kg	TM089		271 @	573 @	22200 @	<40 @	410 @	36800 @
Aliphatics >C12-C16	<100 µg/kg	TM173		116000	1350000	1150000	1710	51600	413000
Aliphatics >C16-C21	<100 µg/kg	TM173		123000	967000	820000	2110	52600	270000
Aliphatics >C21-C35	<100 µg/kg	TM173		149000	222000	167000	34000	20000	55600
Aliphatics >C35-C44	<100 µg/kg	TM173		96500	3530	2000	8520	1590	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		485000	2540000	2140000	46300	126000	738000
Aromatics >EC5-EC7	<10 µg/kg	TM089		74.8 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC7-EC8	<10 µg/kg	TM089		248 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC8-EC10	<10 µg/kg	TM089		243 @	172 @	3550 @	<40 @	115 @	5270 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		181 @	382 @	14800 @	<40 @	273 @	24500 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		8340	140000	377000	861	6150	45400
Aromatics >EC16-EC21	<100 µg/kg	TM173		30000	196000	361000	3940	17500	39600
Aromatics >EC21-EC35	<100 µg/kg	TM173		123000	79000	109000	37900	13800	13900
Aromatics >EC35-EC44	<100 µg/kg	TM173		116000	7110	21400	24700	1170	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		55300	2890	<100	9180	234	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		278000	422000	868000	67400	38700	98800
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		764000	2960000	3060000	114000	166000	913000

CERTIFICATE OF ANALYSIS

SDG:	150221-45	**Location:**	Coed Darcy	**Order Number:**	CD1103
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310972
Client Reference:	Site Wide Trial Pitting	**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	IP1351	IP1417	IP1417	IP1417	IP1417	IP1418
			Depth (m)	1.50	0.80	2.00	3.00	4.80	0.80
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-45	150221-45	150221-45	150221-45	150221-45	150221-45
			Lab Sample No.(s)	10878998	10878887	10878891	10878896	10878901	10878909
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		77 @	86 @	46 @	47 @	87 @	56 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 @ M	33900 @ M	<176 @ M	<176 @ M	2580000 3 @ M	403 @ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 @ M	<100 @ M	<20 @ M	<20 @ M	<100 @ M	<20 @ M
Benzene	<10 µg/kg	TM089		<40 @ M	<200 @ M	<40 @ M	<40 @ M	916 @ M	<40 @ M
Toluene	<2 µg/kg	TM089		<8 @ M	<40 @ M	<8 @ M	<8 @ M	<40 @ M	15.6 @ M
Ethylbenzene	<3 µg/kg	TM089		<12 @ M	<60 @ M	<12 @ M	<12 @ M	<60 @ M	<12 @ M
m,p-Xylene	<6 µg/kg	TM089		<24 @ M	<120 @ M	<24 @ M	<24 @ M	<120 @ M	<24 @ M
o-Xylene	<3 µg/kg	TM089		<12 @ M	<60 @ M	<12 @ M	<12 @ M	<60 @ 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 @	916 @	<24 @
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 @	<200 @	<40 @	<40 @	37400 3 @	<40 @
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 @	222 @	<40 @	<40 @	307000 3 @	79.3 @
Aliphatics >C8-C10	<10 µg/kg	TM089		<40 @	4770 @	<40 @	<40 @	626000 3 @	66.3 @
Aliphatics >C10-C12	<10 µg/kg	TM089		75.5 @	15400 @	<40 @	<40 @	715000 3 @	65 @
Aliphatics >C12-C16	<100 µg/kg	TM173		41400	10500	9670	11800	5380000	6270
Aliphatics >C16-C21	<100 µg/kg	TM173		39300	22600	37200	23900	2830000	19300
Aliphatics >C21-C35	<100 µg/kg	TM173		10200	148000	217000	133000	614000	137000
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	42000	43500	33700	205000	58300
Total Aliphatics >C12-C44	<100 µg/kg	TM173		90900	224000	307000	202000	9020000	221000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 @	<200 @	<40 @	<40 @	916 3 @	<40 @
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 @	<200 @	<40 @	<40 @	<200 3 @	<40 @
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40 @	3190 @	<40 @	<40 @	417000 3 @	94.9 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		50 @	10200 @	<40 @	<40 @	477000 3 @	44.2 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		14900	898	1390	2000	1110000	1320
Aromatics >EC16-EC21	<100 µg/kg	TM173		15600	4710	12500	6970	1250000	14000
Aromatics >EC21-EC35	<100 µg/kg	TM173		6680	106000	190000	125000	2940000	315000
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	46500	60300	57000	772000	137000
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	15900	21700	20100	266000	36500
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		37200	158000	264000	191000	6070000	467000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		128000	415000	572000	393000	17700000	689000

CERTIFICATE OF ANALYSIS

SDG:	150221-45	**Location:**	Coed Darcy	**Order Number:**	CD1103
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310972
Client Reference:	Site Wide Trial Pitting	**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	IP1418	IP1418	IP1418	IP1419	IP1419	IP1419
			Depth (m)	2.00	3.00	4.80	0.80	2.00	3.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-45	150221-45	150221-45	150221-45	150221-45	150221-45
			Lab Sample No.(s)	10878919	10878924	10878929	10879123	10878794	10878801
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		104 @	82 @	132 @	56 @	91 @	70 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 @ #	5680 @ M	7650000 3 @ M	856 @ M	<880 @ #	6980 @ #
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 @ #	<20 @ M	<100 @ M	<20 @ M	<100 @ #	<20 @ #
Benzene	<10 µg/kg	TM089		<40 @ #	<40 @ M	<200 @ M	<40 @ M	<200 @ #	<40 @ #
Toluene	<2 µg/kg	TM089		25.9 @ #	119 @ M	<40 @ M	36.9 @ M	64.4 @ #	67.2 @ #
Ethylbenzene	<3 µg/kg	TM089		<12 @ #	129 @ M	91900 @ M	16 @ M	<60 @ #	<12 @ #
m,p-Xylene	<6 µg/kg	TM089		60.5 @ #	478 @ M	306000 @ M	51.7 @ M	<120 @ #	65.8 @ #
o-Xylene	<3 µg/kg	TM089		<12 @ #	245 @ M	111000 @ M	25.8 @ M	<60 @ #	40.6 @ #
sum of detected mpo xylene by GC	<9 µg/kg	TM089		60.5 @	723 @	417000 @	77.5 @	<9 @	106 @
sum of detected BTEX by GC	<24 µg/kg	TM089		86.4 @	971 @	509000 @	130 @	64.4 @	173 @
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 @	144 @	788000 @	75 @	<200 @	84 @
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 @	297 @	3390000 @	114 @	235 @	277 @
Aliphatics >C8-C10	<10 µg/kg	TM089		<40 @	798 @	1080000 @	98.4 @	<200 @	1290 @
Aliphatics >C10-C12	<10 µg/kg	TM089		<40 @	1750 @	692000 @	218 @	<200 @	2560 @
Aliphatics >C12-C16	<100 µg/kg	TM173		6190	34400	1980000	11900	15200	31100
Aliphatics >C16-C21	<100 µg/kg	TM173		11400	17900	671000	29500	20000	31300
Aliphatics >C21-C35	<100 µg/kg	TM173		22800	36300	324000	168000	34900	67000
Aliphatics >C35-C44	<100 µg/kg	TM173		26600	21800	105000	85300	28100	25600
Total Aliphatics >C12-C44	<100 µg/kg	TM173		66900	110000	3080000	295000	98200	155000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 @	<40 @	<200 @	<40 @	<200 @	<40 @
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 @	119 @	<200 @	<40 @	<200 @	67.2 @
Aromatics >EC8-EC10	<10 µg/kg	TM089		101 @	1380 @	1230000 @	159 @	249 @	976 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40 @	1170 @	461000 @	145 @	<200 @	1710 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	16100	2220000	3670	3630	4710
Aromatics >EC16-EC21	<100 µg/kg	TM173		1120	18500	1280000	7280	4910	8410
Aromatics >EC21-EC35	<100 µg/kg	TM173		17800	141000	1770000	86300	26800	36300
Aromatics >EC35-EC44	<100 µg/kg	TM173		18600	81900	442000	85600	32100	19100
Aromatics >EC40-EC44	<100 µg/kg	TM173		7250	26900	144000	40400	15200	7650
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		37500	257000	5720000	183000	67400	68500
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		105000	373000	16400000	479000	167000	231000

CERTIFICATE OF ANALYSIS

SDG:	150221-45	**Location:**	Coed Darcy	**Order Number:**	CD1103
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310972
Client Reference:	Site Wide Trial Pitting	**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	IP1419	IP1420	IP1420	IP1420	IP1420	IP1563
			Depth (m)	4.00	0.80	2.00	3.00	4.00	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-45	150221-45	150221-45	150221-45	150221-45	150221-45
			Lab Sample No.(s)	10878807	10878813	10878820	10878824	10878833	10878977
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		88 @	84 @	73 @	82 @	99 @	102 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		3470000 3 @ M	1290 @ M	984 @ #	1970 3 @ #	5980000 @ M	<176 @ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<100 @ M	<20 @ M	<50 @ #	<100 @ #	<100 @ M	<20 @ M
Benzene	<10 µg/kg	TM089		978 @ M	<40 @ M	<100 @ #	<200 @ #	<200 @ M	<40 @ M
Toluene	<2 µg/kg	TM089		<40 @ M	46.4 @ M	62.9 @ #	56.7 @ #	31300 @ M	<8 @ M
Ethylbenzene	<3 µg/kg	TM089		4240 @ M	24.4 @ M	52.4 @ #	<60 @ #	56000 @ M	<12 @ M
m,p-Xylene	<6 µg/kg	TM089		<120 @ M	134 @ M	140 @ #	<120 @ #	179000 @ M	<24 @ M
o-Xylene	<3 µg/kg	TM089		<60 @ M	80.5 @ M	<30 @ #	<60 @ #	98100 @ M	<12 @ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 @	215 @	140 @	<9 @	277000 @	<9 @
sum of detected BTEX by GC	<24 µg/kg	TM089		5220 @	286 @	255 @	56.7 @	364000 @	<24 @
Aliphatics >C5-C6	<10 µg/kg	TM089		138000 3 @	90.3 @	<100 @	<200 3 @	348000 @	<40 @
Aliphatics >C6-C8	<10 µg/kg	TM089		712000 3 @	199 @	118 @	<200 3 @	1490000 @	<40 @
Aliphatics >C8-C10	<10 µg/kg	TM089		814000 3 @	246 @	204 @	328 3 @	1400000 @	<40 @
Aliphatics >C10-C12	<10 µg/kg	TM089		753000 3 @	176 @	114 @	570 3 @	865000 @	<40 @
Aliphatics >C12-C16	<100 µg/kg	TM173		5800000	18200	21600	38000	16900000	408
Aliphatics >C16-C21	<100 µg/kg	TM173		2650000	28500	68500	107000	5990000	6040
Aliphatics >C21-C35	<100 µg/kg	TM173		606000	133000	63800	131000	6510000	11000
Aliphatics >C35-C44	<100 µg/kg	TM173		150000	35200	17600	54400	1430000	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		9210000	215000	171000	330000	30800000	17400
Aromatics >EC5-EC7	<10 µg/kg	TM089		978 3 @	<40 @	<100 @	<200 3 @	<200 @	<40 @
Aromatics >EC7-EC8	<10 µg/kg	TM089		<200 3 @	46.4 @	<100 @	<200 3 @	31300 @	<40 @
Aromatics >EC8-EC10	<10 µg/kg	TM089		547000 3 @	404 @	356 @	369 3 @	1270000 @	<40 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		502000 3 @	117 @	<100 @	379 3 @	577000 @	<40 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		1460000	855	3780	5680	3950000	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		1020000	5320	14300	20200	2750000	2110
Aromatics >EC21-EC35	<100 µg/kg	TM173		2050000	301000	82000	139000	4430000	15300
Aromatics >EC35-EC44	<100 µg/kg	TM173		388000	134000	36500	72900	1100000	6210
Aromatics >EC40-EC44	<100 µg/kg	TM173		120000	34700	12600	27900	336000	2770
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		4920000	441000	137000	238000	12200000	23600
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		17600000	657000	309000	569000	49000000	41000

CERTIFICATE OF ANALYSIS

SDG:	150221-45	**Location:**	Coed Darcy	**Order Number:**	CD1103
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310972
Client Reference:	Site Wide Trial Pitting	**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	IP1585	IP1585	IP1586	TPE0592	TPE0592	TPE0592
			Depth (m)	0.50	1.50	0.50	0.50	1.60	2.70
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-45	150221-45	150221-45	150221-45	150221-45	150221-45
			Lab Sample No.(s)	10878982	10878989	10878973	10878785	10878854	10878914
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		111 @	78 @	102 @	48 @	47 @	116 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 @ M	<176 @ M	336 @ M	<176 @ M	<176 @ M	303000 @ 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	1040 @ M
Toluene	<2 µg/kg	TM089		<8 @ M	<8 @ M	<8 @ M	<8 @ M	11.7 @ 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 @	1040 @
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	21100 @
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	118000 @
Aliphatics >C8-C10	<10 µg/kg	TM089		<40 @	<40 @	78.4 @	<40 @	<40 @	54400 @
Aliphatics >C10-C12	<10 µg/kg	TM089		<40 @	<40 @	96.3 @	<40 @	<40 @	43700 @
Aliphatics >C12-C16	<100 µg/kg	TM173		4390	20000	2590	2200	<100	185000
Aliphatics >C16-C21	<100 µg/kg	TM173		27900	118000	123	5170	<100	1830
Aliphatics >C21-C35	<100 µg/kg	TM173		44000	42600	2290	13600	<100	5690
Aliphatics >C35-C44	<100 µg/kg	TM173		15900	<100	<100	9550	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		92100	180000	5010	30600	<100	192000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	1040 @
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40 @	<40 @	52.6 @	<40 @	42.9 @	36300 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40 @	<40 @	63.8 @	<40 @	<40 @	29100 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		1800	1610	323	<100	<100	59800
Aromatics >EC16-EC21	<100 µg/kg	TM173		13200	11100	351	3750	<100	2100
Aromatics >EC21-EC35	<100 µg/kg	TM173		65500	20300	1980	29600	5770	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173		32200	<100	188	20000	1650	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		12400	<100	<100	9880	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		113000	32900	2840	53300	7420	61900
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		205000	213000	8180	84000	7500	558000

CERTIFICATE OF ANALYSIS

SDG:	150221-45	**Location:**	Coed Darcy	**Order Number:**	CD1103
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310972
Client Reference:	Site Wide Trial Pitting	**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	TPE0592	TPE0594	TPE0594	TPE0594	TPE0594	TPE0595
			Depth (m)	3.80	0.50	1.50	2.50	3.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-45	150221-45	150221-45	150221-45	150221-45	150221-45
			Lab Sample No.(s)	10878969	10879015	10879020	10879039	10879049	10879086
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		78 2	109 @	97 @	82 @	79 @	110 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		44100 2 M	173000 @ M	11100 @ M	1860 @ M	6580 @ M	<176 @ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 2 M	<100 @ M	<20 @ M	<20 @ M	<20 @ M	<20 @ M
Benzene	<10 µg/kg	TM089		120 2 M	<200 @ M	<40 @ M	<40 @ M	<40 @ M	<40 @ M
Toluene	<2 µg/kg	TM089		<8 2 M	<40 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M
Ethylbenzene	<3 µg/kg	TM089		<12 2 M	<60 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
m,p-Xylene	<6 µg/kg	TM089		<24 2 M	<120 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M
o-Xylene	<3 µg/kg	TM089		<12 2 M	<60 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 2	<9 @	<9 @	<9 @	<9 @	<9 @
sum of detected BTEX by GC	<24 µg/kg	TM089		120 2	<24 @	<24 @	<24 @	<24 @	<24 @
Aliphatics >C5-C6	<10 µg/kg	TM089		339 2	<200 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C6-C8	<10 µg/kg	TM089		5730 2	461 @	308 @	50.3 @	297 @	<40 @
Aliphatics >C8-C10	<10 µg/kg	TM089		10300 2	15900 @	1350 @	233 @	769 @	<40 @
Aliphatics >C10-C12	<10 µg/kg	TM089		12400 2	87300 @	5140 @	847 @	2980 @	<40 @
Aliphatics >C12-C16	<100 µg/kg	TM173		168000	4990000	94800	7850	3360	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		2360	3760000	86400	9920	1560	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	608000	20100	1420	<100	<100
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	9200	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		171000	9370000	201000	19200	4920	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089		120 2	<200 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 2	<200 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC8-EC10	<10 µg/kg	TM089		6880 2	10600 @	898 @	154 @	513 @	<40 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		8280 2	58200 @	3420 @	565 @	1990 @	<40 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		49600	293000	12000	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		2180	831000	15000	<100	<100	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		6680	282000	14800	10900	<100	428
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	61500	4810	2890	<100	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	22400	1970	<100	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		58500	1470000	46600	13700	<100	428
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		273000	11000000	259000	34800	11500	428

CERTIFICATE OF ANALYSIS

SDG:	150221-45	**Location:**	Coed Darcy	**Order Number:**	CD1103
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310972
Client Reference:	Site Wide Trial Pitting	**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	TPE0595	TPE0640	TPE0640	TPE0640	TPE0640	TPE0649
			Depth (m)	1.50	0.50	1.60	2.70	3.80	0.80
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-45	150221-45	150221-45	150221-45	150221-45	150221-45
			Lab Sample No.(s)	10879097	10879033	10879109	10879115	10879119	10878837
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		83 @	62 @	54 @	80 @	64 @	59 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 @ M	<176 @ #	1110 @ #	672 @ M	<176 @ #	<176 @ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 @ M	<20 @ #	<20 @ #	<20 @ M	<20 @ #	<20 @ M
Benzene	<10 µg/kg	TM089		<40 @ M	<40 @ #	<40 @ #	<40 @ M	<40 @ #	<40 @ M
Toluene	<2 µg/kg	TM089		<8 @ M	<8 @ #	<8 @ #	<8 @ M	<8 @ #	<8 @ M
Ethylbenzene	<3 µg/kg	TM089		<12 @ M	<12 @ #	<12 @ #	<12 @ M	<12 @ #	<12 @ M
m,p-Xylene	<6 µg/kg	TM089		<24 @ M	<24 @ #	<24 @ #	<24 @ M	<24 @ #	<24 @ M
o-Xylene	<3 µg/kg	TM089		<12 @ M	<12 @ #	<12 @ #	<12 @ M	<12 @ #	<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 @	136 @	84.7 @	<40 @	<40 @
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 @	<40 @	260 @	112 @	<40 @	<40 @
Aliphatics >C8-C10	<10 µg/kg	TM089		<40 @	<40 @	204 @	80.8 @	<40 @	<40 @
Aliphatics >C10-C12	<10 µg/kg	TM089		<40 @	<40 @	197 @	203 @	<40 @	<40 @
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	5890	66000	98100	11500	3740
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	9060	258000	136000	56100	8710
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	110000	1790000	517000	518000	59900
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	28600	600000	236000	257000	24500
Total Aliphatics >C12-C44	<100 µg/kg	TM173		<100	154000	2720000	987000	843000	96900
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 @	162 @	55.2 @	<40 @	<40 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40 @	<40 @	132 @	136 @	<40 @	<40 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	2740	16400	158000	4430	2210
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	7040	239000	433000	32500	22900
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	46800	4580000	1350000	1260000	265000
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	17000	1360000	484000	606000	101000
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	5380	352000	184000	171000	23700
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		<100	73600	6190000	2420000	1900000	391000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		<100	228000	8910000	3410000	2740000	488000

CERTIFICATE OF ANALYSIS

SDG:	150221-45	**Location:**	Coed Darcy	**Order Number:**	CD1103
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310972
Client Reference:	Site Wide Trial Pitting	**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	TPE0649	TPE0649	TPE0649	TPE0677	TPE0677	TPE0677
			Depth (m)	2.00	3.00	4.00	0.80	2.00	3.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-45	150221-45	150221-45	150221-45	150221-45	150221-45
			Lab Sample No.(s)	10878842	10878850	10878861	10878866	10878873	10878878
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		63 @	91 @	87 @	75 @	44 @	86 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 @ M	<880 @ #	<880 @ M	<440 @ M	<176 @ #	<880 @ #
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 @ M	<100 @ #	<100 @ M	<50 @ M	<20 @ #	<100 @ #
Benzene	<10 µg/kg	TM089		<40 @ M	<200 @ #	<200 @ M	<100 @ M	<40 @ #	<200 @ #
Toluene	<2 µg/kg	TM089		<8 @ M	<40 @ #	<40 @ M	<20 @ M	23.4 @ #	<40 @ #
Ethylbenzene	<3 µg/kg	TM089		<12 @ M	<60 @ #	<60 @ M	<30 @ M	<12 @ #	<60 @ #
m,p-Xylene	<6 µg/kg	TM089		<24 @ M	<120 @ #	<120 @ M	<60 @ M	<24 @ #	<120 @ #
o-Xylene	<3 µg/kg	TM089		<12 @ M	<60 @ #	<60 @ M	<30 @ M	<12 @ #	<60 @ #
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 @	<9 @	<9 @	<9 @	<9 @	<9 @
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 @	<24 @	<24 @	<24 @	<24 @	<24 @
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 @	<200 @	<200 @	<100 @	<40 @	<200 @
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 @	<200 @	<200 @	<100 @	<40 @	<200 @
Aliphatics >C8-C10	<10 µg/kg	TM089		<40 @	<200 @	<200 @	<100 @	<40 @	<200 @
Aliphatics >C10-C12	<10 µg/kg	TM089		<40 @	<200 @	<200 @	<100 @	<40 @	<200 @
Aliphatics >C12-C16	<100 µg/kg	TM173		8780	6980	9450	13000	10500	34700
Aliphatics >C16-C21	<100 µg/kg	TM173		14700	16700	16400	10100	22700	32700
Aliphatics >C21-C35	<100 µg/kg	TM173		63800	69400	66800	24500	59700	81300
Aliphatics >C35-C44	<100 µg/kg	TM173		20600	28500	23800	23700	42900	42900
Total Aliphatics >C12-C44	<100 µg/kg	TM173		108000	122000	116000	71200	136000	192000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 @	<200 @	<200 @	<100 @	<40 @	<200 @
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 @	<200 @	<200 @	<100 @	<40 @	<200 @
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40 @	<200 @	<200 @	<100 @	<40 @	<200 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40 @	<200 @	<200 @	<100 @	<40 @	<200 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		4010	1480	4580	618	1110	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		41900	19200	63200	1400	3000	4170
Aromatics >EC21-EC35	<100 µg/kg	TM173		328000	199000	661000	28700	46300	69800
Aromatics >EC35-EC44	<100 µg/kg	TM173		125000	77100	252000	21900	35500	46200
Aromatics >EC40-EC44	<100 µg/kg	TM173		37800	19000	71500	8010	12000	17800
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		499000	297000	981000	52600	86000	120000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		607000	418000	1100000	124000	222000	312000

CERTIFICATE OF ANALYSIS

SDG:	150221-45	**Location:**	Coed Darcy	**Order Number:**	CD1103
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310972
Client Reference:	Site Wide Trial Pitting	**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	TPE0677	TPE0725	TPE0725	TPE0816	TPE0816	TPE0901
			Depth (m)	4.00	0.50	1.50	0.50	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015	16/02/2015
			Sample Time	.	.	.	.	.	.
			Date Received	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015	21/02/2015
			SDG Ref	150221-45	150221-45	150221-45	150221-45	150221-45	150221-45
			Lab Sample No.(s)	10878883	10878961	10878965	10878933	10878938	10878942
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		76 @	92 @	91 @	75 @	112 @	99 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<440 @ M	<176 @ M	29600 @ M	<176 @ M	1810000 @ M	371 @ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<50 @ M	<20 @ M	<20 @ M	<20 @ M	<100 @ M	<20 @ M
Benzene	<10 µg/kg	TM089		<100 @ M	<40 @ M	<40 @ M	<40 @ M	<200 @ M	<40 @ M
Toluene	<2 µg/kg	TM089		<20 @ M	<8 @ M	<8 @ M	<8 @ M	<40 @ M	<8 @ M
Ethylbenzene	<3 µg/kg	TM089		<30 @ M	<12 @ M	<12 @ M	<12 @ M	<60 @ M	<12 @ M
m,p-Xylene	<6 µg/kg	TM089		<60 @ M	<24 @ M	<24 @ M	<24 @ M	<120 @ M	<24 @ M
o-Xylene	<3 µg/kg	TM089		<30 @ M	<12 @ M	<12 @ M	<12 @ M	<60 @ 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		<100 @	<40 @	145 @	<40 @	68600 @	<40 @
Aliphatics >C6-C8	<10 µg/kg	TM089		<100 @	<40 @	1450 @	<40 @	496000 @	58.5 @
Aliphatics >C8-C10	<10 µg/kg	TM089		<100 @	<40 @	5630 @	<40 @	457000 @	122 @
Aliphatics >C10-C12	<10 µg/kg	TM089		<100 @	<40 @	11200 @	<40 @	287000 @	63.2 @
Aliphatics >C12-C16	<100 µg/kg	TM173		730000	2290	79300	<100	155000	3220
Aliphatics >C16-C21	<100 µg/kg	TM173		2170000	2860	53600	<100	31100	7000
Aliphatics >C21-C35	<100 µg/kg	TM173		1720000	5750	18200	<100	35700	7580
Aliphatics >C35-C44	<100 µg/kg	TM173		849000	479	<100	<100	10100	344
Total Aliphatics >C12-C44	<100 µg/kg	TM173		5470000	11400	151000	<100	232000	18100
Aromatics >EC5-EC7	<10 µg/kg	TM089		<100 @	<40 @	<40 @	<40 @	200 @	<40 @
Aromatics >EC7-EC8	<10 µg/kg	TM089		<100 @	<40 @	<40 @	<40 @	<200 @	<40 @
Aromatics >EC8-EC10	<10 µg/kg	TM089		<100 @	<40 @	3750 @	<40 @	305000 @	80.7 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		<100 @	<40 @	7440 @	<40 @	192000 @	42.1 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		78900	184	5630	<100	51000	566
Aromatics >EC16-EC21	<100 µg/kg	TM173		368000	130	8820	<100	15700	1480
Aromatics >EC21-EC35	<100 µg/kg	TM173		1830000	3470	5040	<100	23000	4270
Aromatics >EC35-EC44	<100 µg/kg	TM173		802000	225	<100	<100	8830	387
Aromatics >EC40-EC44	<100 µg/kg	TM173		264000	<100	<100	<100	3810	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		3080000	4000	19500	<100	98500	6710
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		8550000	15400	200000	<100	2140000	25200

CERTIFICATE OF ANALYSIS

SDG:	150221-45	**Location:**	Coed Darcy	**Order Number:**	CD1103
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310972
Client Reference:	Site Wide Trial Pitting	**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	TPE0901	TPE6311				
			Depth (m)	1.50	0.50				
			Sample Type	Soil/Solid	Soil/Solid				
			Date Sampled	16/02/2015	16/02/2015				
			Sample Time	.	.				
			Date Received	21/02/2015	21/02/2015				
			SDG Ref	150221-45	150221-45				
			Lab Sample No.(s)	10878949	10878953				
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		110 @	73 @				
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		254000 @ M	14000 @ 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		87.8 @	62 @				
Aliphatics >C6-C8	<10 µg/kg	TM089		16400 @	2490 @				
Aliphatics >C8-C10	<10 µg/kg	TM089		84500 @	4060 @				
Aliphatics >C10-C12	<10 µg/kg	TM089		58200 @	2790 @				
Aliphatics >C12-C16	<100 µg/kg	TM173		35600	12400				
Aliphatics >C16-C21	<100 µg/kg	TM173		15400	12600				
Aliphatics >C21-C35	<100 µg/kg	TM173		7250	17200				
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	4850				
Total Aliphatics >C12-C44	<100 µg/kg	TM173		58300	47100				
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		56300 @	2710 @				
Aromatics >EC10-EC12	<10 µg/kg	TM089		38800 @	1860 @				
Aromatics >EC12-EC16	<100 µg/kg	TM173		12400	1260				
Aromatics >EC16-EC21	<100 µg/kg	TM173		8220	7960				
Aromatics >EC21-EC35	<100 µg/kg	TM173		7460	27200				
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	12500				
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	5030				
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		28100	48900				
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		341000	110000				

CERTIFICATE OF ANALYSIS

SDG:	150221-45	**Location:**	Coed Darcy	**Order Number:**	CD1103
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310972
Client Reference:	Site Wide Trial Pitting	**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	IP1295 0.50 SOLID 16/02/2015 00:00:00 27/02/2015 13:08:59 150221-45 10879058 TM048	10/3/15	Rebecca Rawlings	-	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	IP1350 0.50 SOLID 16/02/2015 00:00:00 28/02/2015 16:06:02 150221-45 10879003 TM048	10/3/15	Rebecca Rawlings	-	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	IP1351 0.50 SOLID 16/02/2015 00:00:00 27/02/2015 16:21:15 150221-45 10878994 TM048	10/3/15	Rebecca Rawlings	-	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	IP1417 0.80 SOLID 16/02/2015 00:00:00 27/02/2015 13:41:34 150221-45 10878887 TM048	10/3/15	Rebecca Rawlings	-	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	IP1418 0.80 SOLID 16/02/2015 00:00:00 03/03/2015 07:22:01 150221-45 10878909 TM048	10/3/15	Chris Swindells	Loose fibres in soil	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	150221-45	**Location:**	Coed Darcy	**Order Number:**	CD1103
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310972
Client Reference:	Site Wide Trial Pitting	**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	IP1419 0.80 SOLID 16/02/2015 00:00:00 27/02/2015 13:57:10 150221-45 10879123 TM048	10/3/15	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	IP1420 0.80 SOLID 16/02/2015 00:00:00 27/02/2015 10:55:28 150221-45 10878813 TM048	10/3/15	Rebecca Rawlings	-	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	IP1563 0.50 SOLID 16/02/2015 00:00:00 28/02/2015 16:02:51 150221-45 10878977 TM048	9/3/15	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	IP1585 0.50 SOLID 16/02/2015 00:00:00 28/02/2015 15:52:00 150221-45 10878982 TM048	10/3/15	Rebecca Rawlings	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	IP1586 0.50 SOLID 16/02/2015 00:00:00 28/02/2015 15:59:08 150221-45 10878973 TM048	9/3/15	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	TPE0592 0.50 SOLID 16/02/2015 00:00:00 27/02/2015 11:49:07 150221-45 10878785 TM048	10/3/15	Rebecca Rawlings	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	150221-45	**Location:**	Coed Darcy	**Order Number:**	CD1103
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310972
Client Reference:	Site Wide Trial Pitting	**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	TPE0594 0.50 SOLID 16/02/2015 00:00:00 27/02/2015 06:52:30 150221-45 10879015 TM048	10/3/15	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	TPE0595 0.50 SOLID 16/02/2015 00:00:00 27/02/2015 13:13:52 150221-45 10879086 TM048	9/3/15	Kevin Gill	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE0640 0.50 SOLID 16/02/2015 00:00:00 27/02/2015 12:48:12 150221-45 10879033 TM048	10/3/15	Rebecca Rawlings	-	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	TPE0649 0.80 SOLID 16/02/2015 00:00:00 03/03/2015 07:19:05 150221-45 10878837 TM048	10/3/15	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	TPE0677 0.80 SOLID 16/02/2015 00:00:00 27/02/2015 10:58:08 150221-45 10878866 TM048	10/3/15	Rebecca Rawlings	Soil containing 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	TPE0725 0.50 SOLID 16/02/2015 00:00:00 27/02/2015 15:23:52 150221-45 10878961 TM048	9/3/15	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	150221-45	**Location:**	Coed Darcy	**Order Number:**	CD1103
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310972
Client Reference:	Site Wide Trial Pitting	**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	TPE0816 0.50 SOLID 16/02/2015 00:00:00 27/02/2015 15:19:31 150221-45 10878933 TM048	9/3/15	Kevin Gill	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE0901 0.50 SOLID 16/02/2015 00:00:00 27/02/2015 13:59:52 150221-45 10878942 TM048	9/3/15	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	TPE6311 0.50 SOLID 16/02/2015 00:00:00 28/02/2015 15:54:52 150221-45 10878953 TM048	10/3/15	Rebecca Rawlings	Loose fibres in soil	Detected (#)	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	150221-45	**Location:**	Coed Darcy	**Order Number:**	CD1103
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310972
Client Reference:	Site Wide Trial Pitting	**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	IP1585 0.50 SOLID 16/02/2015 00:00:00 16/04/2015 08:09:55 150221-45 10878982 TM 304	None (#)	N/C	0.0425 (#)	<0.001 (#)	0.0434 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE0592 0.50 SOLID 16/02/2015 00:00:00 28/04/2015 10:42:52 150221-45 10878785 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	TPE0594 0.50 SOLID 16/02/2015 00:00:00 17/04/2015 10:39:01 150221-45 10879015 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	TPE6311 0.50 SOLID 16/02/2015 00:00:00 16/04/2015 08:12:40 150221-45 10878953 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)

CERTIFICATE OF ANALYSIS

SDG:	150221-45	**Location:**	Coed Darcy	**Order Number:**	CD1103
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310972
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

Notification of NDPs (No determination possible)

Date Received : 21/02/2015 11:37:41

Sample No	Customer Sample Ref.	Depth (m)	Test	Comment
10878866	TPE0677	0.80	Asbestos Quantification - Full	Insufficient Sample

CERTIFICATE OF ANALYSIS

SDG:	150221-45	**Location:**	Coed Darcy	**Order Number:**	CD1103
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310972
Client Reference:	Site Wide Trial Pitting	**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		
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:	150221-45	**Location:**	Coed Darcy	**Order Number:**	CD1103
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	310972
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

Test Completion Dates

Lab Sample No(s)	10879058	10879066	10879075	10879003	10879007	10878994	10878998	10878887	10878891	10878896
Customer Sample Ref.	IP1295	IP1295	IP1295	IP1350	IP1350	IP1351	IP1351	IP1417	IP1417	IP1417
AGS Ref.										
Depth	0.50	1.50	2.50	0.50	1.50	0.50	1.50	0.80	2.00	3.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	10-Mar-2015			10-Mar-2015		10-Mar-2015		10-Mar-2015		
EPH CWG (Aliphatic) GC (S)	04-Mar-2015	05-Mar-2015	06-Mar-2015	07-Mar-2015	05-Mar-2015	05-Mar-2015	04-Mar-2015	09-Mar-2015	04-Mar-2015	04-Mar-2015
EPH CWG (Aromatic) GC (S)	04-Mar-2015	05-Mar-2015	06-Mar-2015	07-Mar-2015	05-Mar-2015	05-Mar-2015	04-Mar-2015	09-Mar-2015	04-Mar-2015	04-Mar-2015
GRO by GC-FID (S)	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	09-Mar-2015	08-Mar-2015	08-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015
Metals in solid samples by OES	04-Mar-2015	06-Mar-2015	06-Mar-2015	06-Mar-2015	04-Mar-2015	06-Mar-2015	04-Mar-2015	06-Mar-2015	08-Mar-2015	05-Mar-2015
PAH by GCMS	05-Mar-2015	05-Mar-2015	06-Mar-2015	06-Mar-2015	04-Mar-2015	06-Mar-2015	04-Mar-2015	09-Mar-2015	10-Mar-2015	10-Mar-2015
pH	07-Mar-2015	06-Mar-2015	07-Mar-2015	07-Mar-2015	07-Mar-2015	07-Mar-2015	07-Mar-2015	07-Mar-2015	07-Mar-2015	07-Mar-2015
Sample description	27-Feb-2015	02-Mar-2015	04-Mar-2015	27-Feb-2015	02-Mar-2015	28-Feb-2015	02-Mar-2015	27-Feb-2015	02-Mar-2015	02-Mar-2015
TPH CWG GC (S)	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	09-Mar-2015	08-Mar-2015	08-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015

Lab Sample No(s)	10878901	10878909	10878919	10878924	10878929	10878794	10878801	10878807	10879123	10878813
Customer Sample Ref.	IP1417	IP1418	IP1418	IP1418	IP1418	IP1419	IP1419	IP1419	IP1419	IP1420
AGS Ref.										
Depth	4.80	0.80	2.00	3.00	4.80	2.00	3.00	4.00	0.80	0.80
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples		11-Mar-2015							11-Mar-2015	10-Mar-2015
EPH CWG (Aliphatic) GC (S)	05-Mar-2015	07-Mar-2015	05-Mar-2015	04-Mar-2015	10-Mar-2015	05-Mar-2015	05-Mar-2015	05-Mar-2015	06-Mar-2015	04-Mar-2015
EPH CWG (Aromatic) GC (S)	05-Mar-2015	07-Mar-2015	05-Mar-2015	04-Mar-2015	10-Mar-2015	05-Mar-2015	05-Mar-2015	05-Mar-2015	06-Mar-2015	04-Mar-2015
GRO by GC-FID (S)	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015
Metals in solid samples by OES	06-Mar-2015	06-Mar-2015	06-Mar-2015	06-Mar-2015	06-Mar-2015	06-Mar-2015	05-Mar-2015	06-Mar-2015	06-Mar-2015	06-Mar-2015
PAH by GCMS	05-Mar-2015	09-Mar-2015	09-Mar-2015	04-Mar-2015	04-Mar-2015	09-Mar-2015	06-Mar-2015	09-Mar-2015	05-Mar-2015	10-Mar-2015
pH	07-Mar-2015	07-Mar-2015	07-Mar-2015	07-Mar-2015	07-Mar-2015	07-Mar-2015	06-Mar-2015	07-Mar-2015	07-Mar-2015	07-Mar-2015
Sample description	02-Mar-2015	27-Feb-2015	02-Mar-2015	02-Mar-2015	02-Mar-2015	02-Mar-2015	02-Mar-2015	02-Mar-2015	27-Feb-2015	27-Feb-2015
Total Organic Carbon	06-Mar-2015									
TPH CWG GC (S)	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015

Lab Sample No(s)	10878820	10878824	10878833	10878977	10878982	10878989	10878973	10878785	10878854	10878914
Customer Sample Ref.	IP1420	IP1420	IP1420	IP1563	IP1585	IP1585	IP1586	TPE0592	TPE0592	TPE0592
AGS Ref.										
Depth	2.00	3.00	4.00	0.50	0.50	1.50	0.50	0.50	1.60	2.70
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples				10-Mar-2015	10-Mar-2015		10-Mar-2015	10-Mar-2015		
Asbestos Quantification - Full					29-Apr-2015			29-Apr-2015		
EPH CWG (Aliphatic) GC (S)	05-Mar-2015	05-Mar-2015	05-Mar-2015	05-Mar-2015	07-Mar-2015	05-Mar-2015	04-Mar-2015	04-Mar-2015	04-Mar-2015	04-Mar-2015
EPH CWG (Aromatic) GC (S)	05-Mar-2015	05-Mar-2015	05-Mar-2015	05-Mar-2015	07-Mar-2015	05-Mar-2015	04-Mar-2015	04-Mar-2015	04-Mar-2015	04-Mar-2015
GRO by GC-FID (S)	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	08-Mar-2015	09-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015
Metals in solid samples by OES	06-Mar-2015	06-Mar-2015	06-Mar-2015	06-Mar-2015	06-Mar-2015	06-Mar-2015	06-Mar-2015	06-Mar-2015	05-Mar-2015	05-Mar-2015
PAH by GCMS	09-Mar-2015	09-Mar-2015	09-Mar-2015	06-Mar-2015	06-Mar-2015	05-Mar-2015	06-Mar-2015	02-Apr-2015	04-Mar-2015	05-Mar-2015
pH	06-Mar-2015	07-Mar-2015	07-Mar-2015	07-Mar-2015	07-Mar-2015	07-Mar-2015	07-Mar-2015	07-Mar-2015	06-Mar-2015	09-Mar-2015
Sample description	02-Mar-2015	02-Mar-2015	02-Mar-2015	28-Feb-2015	27-Feb-2015	28-Feb-2015	27-Feb-2015	27-Feb-2015	28-Feb-2015	28-Feb-2015
Total Organic Carbon								10-Mar-2015		
TPH CWG GC (S)	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	08-Mar-2015	09-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015

Lab Sample No(s)	10878969	10879015	10879020	10879039	10879049	10879086	10879097	10879033	10879109	10879115
Customer Sample Ref.	TPE0592	TPE0594	TPE0594	TPE0594	TPE0594	TPE0595	TPE0595	TPE0640	TPE0640	TPE0640
AGS Ref.										
Depth	3.80	0.50	1.50	2.50	3.50	0.50	1.50	0.50	1.60	2.70
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples		11-Mar-2015				10-Mar-2015		10-Mar-2015		
Asbestos Quantification - Full		28-Apr-2015								
EPH CWG (Aliphatic) GC (S)	04-Mar-2015	07-Mar-2015	05-Mar-2015	05-Mar-2015	05-Mar-2015	04-Mar-2015	04-Mar-2015	04-Mar-2015	05-Mar-2015	04-Mar-2015
EPH CWG (Aromatic) GC (S)	04-Mar-2015	07-Mar-2015	05-Mar-2015	05-Mar-2015	05-Mar-2015	04-Mar-2015	04-Mar-2015	04-Mar-2015	05-Mar-2015	04-Mar-2015
GRO by GC-FID (S)	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	08-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015
Metals in solid samples by OES	05-Mar-2015	04-Mar-2015	06-Mar-2015	06-Mar-2015	06-Mar-2015	04-Mar-2015	05-Mar-2015	06-Mar-2015	05-Mar-2015	05-Mar-2015
PAH by GCMS	04-Mar-2015	05-Mar-2015	05-Mar-2015	05-Mar-2015	05-Mar-2015	05-Mar-2015	05-Mar-2015	02-Apr-2015	05-Mar-2015	04-Mar-2015
pH	06-Mar-2015	07-Mar-2015	06-Mar-2015	06-Mar-2015	06-Mar-2015	07-Mar-2015	06-Mar-2015	07-Mar-2015	06-Mar-2015	06-Mar-2015
Sample description	28-Feb-2015	27-Feb-2015	02-Mar-2015	02-Mar-2015	02-Mar-2015	27-Feb-2015	27-Feb-2015	27-Feb-2015	02-Mar-2015	28-Feb-2015
Total Organic Carbon		06-Mar-2015				06-Mar-2015			09-Mar-2015	
TPH CWG GC (S)	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	08-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015	10-Mar-2015