Photograph 1: Existing Green/Blue tank base rubble/slag within the former DiMe.

Photographs 2 and 3: Removal of shallow soils overlying tank base rubble/slag

Photograph 4: Removal of identified concrete during the works

Photograph 5: Removal of granular tank base rubble/slag

Photograph 6: Base of excavations and exposure of ‘clean’ underlying natural soils

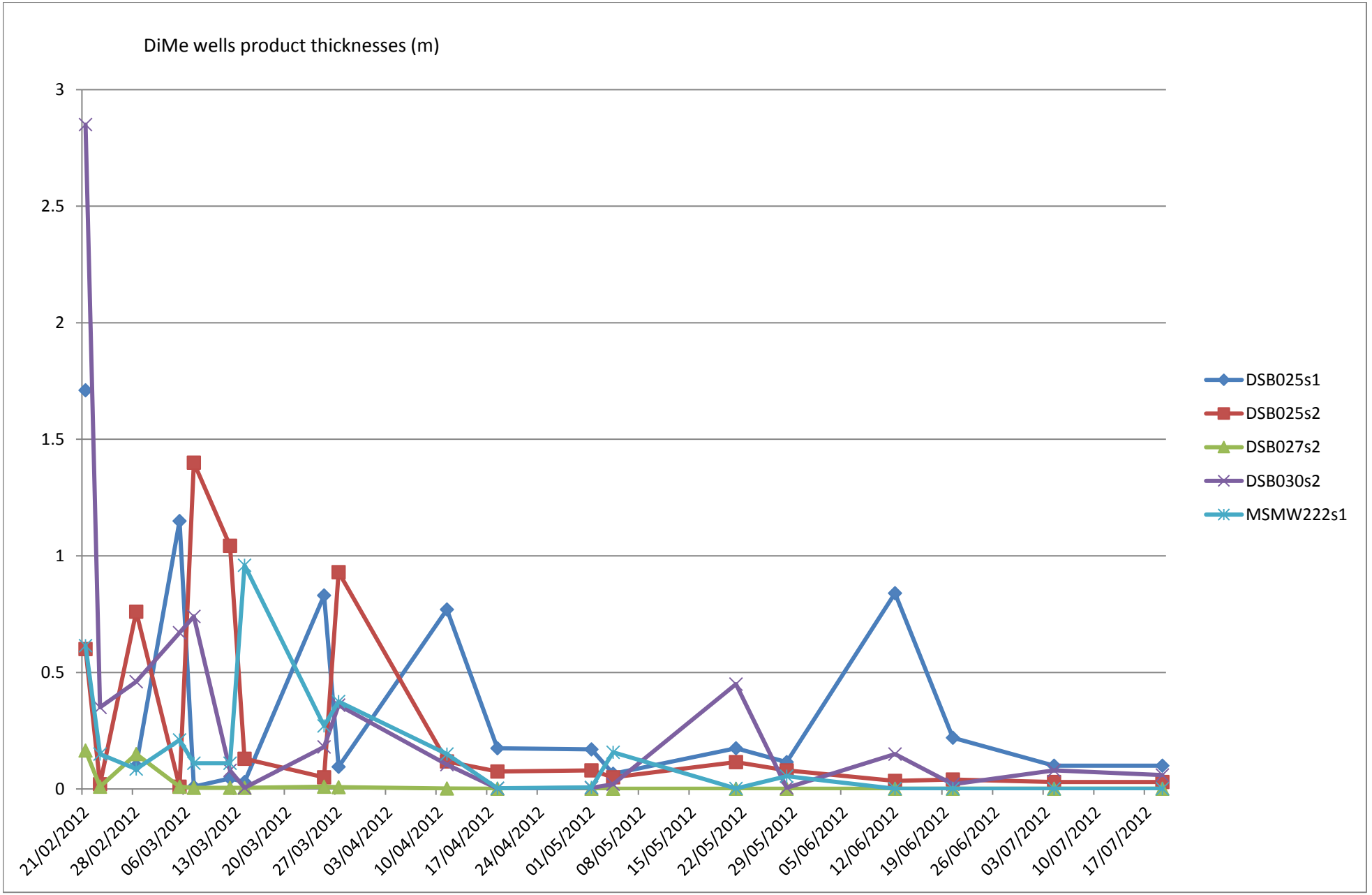
Photograph 7: Backfilling of remedial excavations within Phase 1.

Photograph 8: Phase 2 excavations

Photograph 9: Phase 2 reprofilling

Photograph 10: Phase 3 Backfilling Works

Appendix L. Borehole Monitoring Trends


DiMe wells product thicknesses (m)
3
2.5
2
1.5
1
0.5
0
21/02/2012
28/02/2012
06/03/2012
13/03/2012
20/03/2012
27/03/2012
03/04/2012
10/04/2012
17/04/2012
24/04/2012
01/05/2012
08/05/2012
15/05/2012
22/05/2012
29/05/2012
05/06/2012
12/06/2012
19/06/2012
26/06/2012
03/07/2012
10/07/2012
17/07/2012
DSB025s1
DSB025s2
DSB027s2
DSB030s2
MSMW222s1

DiMe Wells - Product (m)

	21/02/2012	23/02/2012	28/02/2012	05/03/2012	07/03/2012	12/03/2012	14/03/2012	25/03/2012	27/03/2012	11/04/2012	18/04/2012	01/05/2012	04/05/2012	21/05/2012	28/05/2012	12/06/2012	20/06/2012	04/07/2012	19/07/2012
DSB025s1	1.71		0.1	1.15	0.01	0.045	0.03	0.83	0.095	0.77	0.175	0.17	0.065	0.175	0.115	0.84	0.22	0.1	0.1
DSB025s2	0.6	0.02	0.76	0.01	1.4	1.043	0.13	0.05	0.93	0.118	0.075	0.08	0.05	0.115	0.08	0.035	0.04	0.03	0.03
DSB027s2	0.165	0.01	0.15	0.01	0.005	0.005	0.005	0.01	0.008	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
DSB030s2	2.85	0.35	0.46	0.67	0.74	0.08	0.005	0.18	0.36	0.105	0.002	0.005	0.02	0.45	0.005	0.15	0.02	0.08	0.06
MSMW222s1	0.615	0.15	0.085	0.21	0.11	0.11	0.96	0.27	0.375	0.15	0.003	0.007	0.157	0.002	0.055	0.001	0.001	0.001	0.001
	Purged (12.5l)		Purged (7.5l)			Purged (5l)			Purged (2.5l)	Purged (2.5l)	Purged (0.25l)	Purged (0.25l)	Purged (0.25l)						

Appendix M. Laboratory Analysis (Basal Sampling)

ALcontrol Laboratories

Unit 7-8 Hawarden Business Park
Manor Road (off Manor Lane)
Hawarden
Deeside
CH5 3US
Tel: (01244) 528700
Fax: (01244) 528701
email: mkt@alcontrol.com
Website: www.alcontrol.com

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

Attention: Jack Lowrie

CERTIFICATE OF ANALYSIS

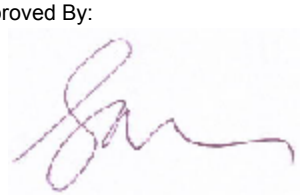
Date:	12 September 2014
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	140905-10
Your Reference:	
Location:	Closed
Report No:	283838

We received 24 samples on Friday September 05, 2014 and 24 of these samples were scheduled for analysis which was completed on Friday September 12, 2014. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

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

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

Approved By:



Sonia McWhan

Operations Manager

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

CERTIFICATE OF ANALYSIS

SDG:	140905-10	**Location:**	Closed	**Order Number:**	CD0815
Job:	H_ATKINS_LDC-238	**Customer:**	Atkins Global Ltd	**Report Number:**	283838
Client Reference:		**Attention:**	Jack Lowrie	**Superseded Report:**	

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
9928801	BOE TP 1		0.00 - 1.40	03/09/2014
9928798	BOE TP 1		0.30	03/09/2014
9928793	BOE TP 2		0.10	03/09/2014
9928796	BOE TP 2		1.80	03/09/2014
9928786	BOE TP 3		0.30	03/09/2014
9928791	BOE TP 3		1.20	03/09/2014
9928780	BOE TP 4		0.20	03/09/2014
9928783	BOE TP 4		1.00	03/09/2014
9928766	BOE TP 5		0.40	03/09/2014
9928768	BOE TP 5		1.20	03/09/2014
9928770	BOE TP 6		0.30	03/09/2014
9928772	BOE TP 6		1.40	03/09/2014
9928775	BOE TP 7		0.20	03/09/2014
9928777	BOE TP 7		1.30	03/09/2014
9928819	BOE TP 8		0.20	03/09/2014
9928764	BOE TP 8		1.10	03/09/2014
9928813	BOE TP 9		0.30	03/09/2014
9928815	BOE TP 9		1.20	03/09/2014
9928806	CA C - 1		0.00 - 0.00	03/09/2014
9928809	CA C - 2		0.00 - 0.00	03/09/2014
9928811	CA C - 3		0.00 - 0.00	03/09/2014
9928762	CA S - 1		0.00 - 0.00	03/09/2014
9928788	CA S - 2		0.00 - 0.00	03/09/2014
9928803	CA S - 3		0.00 - 0.00	03/09/2014

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

CERTIFICATE OF ANALYSIS

SDG:	140905-10	**Location:**	Closed	**Order Number:**	CD0815
Job:	H_ATKINS_LDC-238	**Customer:**	Atkins Global Ltd	**Report Number:**	283838
Client Reference:		**Attention:**	Jack Lowrie	**Superseded Report:**	

SOLID

Results Legend

X **Test**

N **No Determination Possible**

			9928801	9928798	9928793	9928796	9928786	9928791	9928780	9928783	9928766	9928768	9928770	9928772	9928775	9928777	9928819	9928764	9928813	9928815	9928806	9928809	9928811	9928762	9928788	9928803
Lab Sample No(s)																										
Customer Sample Reference			BOE TP 1	BOE TP 1	BOE TP 2	BOE TP 2	BOE TP 3	BOE TP 3	BOE TP 4	BOE TP 4	BOE TP 5	BOE TP 5	BOE TP 6	BOE TP 6	BOE TP 7	BOE TP 7	BOE TP 8	BOE TP 8	BOE TP 9	BOE TP 9	CA C - 1	CA C - 2	CA C - 3	CA S - 1	CA S - 2	CA S - 3
AGS Reference																										
Depth (m)			0.00 - 1.40	0.30	0.10	1.80	0.30	1.20	0.20	1.00	0.40	1.20	0.30	1.40	0.20	1.30	0.20	1.10	0.30	1.20	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
Container			60g VOC (ALE215)	60g VOC (ALE215)	60g VOC (ALE215)	60g VOC (ALE215)	60g VOC (ALE215)	60g VOC (ALE215)	60g VOC (ALE215)	60g VOC (ALE215)	60g VOC (ALE215)	60g VOC (ALE215)	60g VOC (ALE215)	60g VOC (ALE215)	60g VOC (ALE215)	60g VOC (ALE215)	60g VOC (ALE215)	60g VOC (ALE215)	60g VOC (ALE215)	60g VOC (ALE215)	60g VOC (ALE215)	60g VOC (ALE215)	60g VOC (ALE215)	60g VOC (ALE215)	60g VOC (ALE215)	60g VOC (ALE215)
Sample description	All	NDPs: 0 Tests: 24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
VOC MS (S)	All	NDPs: 0 Tests: 24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

CERTIFICATE OF ANALYSIS

SDG:	140905-10	**Location:**	Closed	**Order Number:**	CD0815
Job:	H_ATKINS_LDC-238	**Customer:**	Atkins Global Ltd	**Report Number:**	283838
Client Reference:		**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
9928798	BOE TP 1	0.30	Dark Brown	Sand	0.1 - 2 mm	Stones	None
9928801	BOE TP 1	0.00 - 1.40	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9928793	BOE TP 2	0.10	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9928796	BOE TP 2	1.80	Dark Brown	Sandy Loam	0.1 - 2 mm	Oil/Petroleum	Stones
9928786	BOE TP 3	0.30	Dark Brown	Sand	0.1 - 2 mm	Stones	None
9928791	BOE TP 3	1.20	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9928780	BOE TP 4	0.20	Dark Brown	Sand	0.1 - 2 mm	Stones	Oil/Petroleum
9928783	BOE TP 4	1.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9928766	BOE TP 5	0.40	Dark Brown	Sand	0.1 - 2 mm	Stones	None
9928768	BOE TP 5	1.20	Light Brown	Sand	0.1 - 2 mm	Oil/Petroleum	Stones
9928770	BOE TP 6	0.30	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Oil/Petroleum	Stones
9928772	BOE TP 6	1.40	Light Brown	Sand	0.1 - 2 mm	Oil/Petroleum	Stones
9928775	BOE TP 7	0.20	Dark Brown	Sand	0.1 - 2 mm	Stones	None
9928777	BOE TP 7	1.30	Dark Brown	Sand	0.1 - 2 mm	Stones	None
9928764	BOE TP 8	1.10	Dark Brown	Sand	0.1 - 2 mm	Oil/Petroleum	Stones
9928819	BOE TP 8	0.20	Light Brown	Sand	0.1 - 2 mm	Stones	Oil/Petroleum
9928813	BOE TP 9	0.30	Dark Brown	Sand	0.1 - 2 mm	Oil/Petroleum	None
9928815	BOE TP 9	1.20	Dark Brown	Sand	0.1 - 2 mm	Stones	None
9928806	CA C - 1	0.00 - 0.00	Dark Brown	Sandy Clay	0.1 - 2 mm	None	None
9928809	CA C - 2	0.00 - 0.00	Dark Brown	Sand	0.1 - 2 mm	Stones	None
9928811	CA C - 3	0.00 - 0.00	Dark Brown	Sand	0.1 - 2 mm	Stones	None
9928762	CA S - 1	0.00 - 0.00	Dark Brown	Sand	0.1 - 2 mm	Stones	Oil/Petroleum
9928788	CA S - 2	0.00 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9928803	CA S - 3	0.00 - 0.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None

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

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

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

CERTIFICATE OF ANALYSIS

SDG:	140905-10	**Location:**	Closed	**Order Number:**	CD0815
Job:	H_ATKINS_LDC-238	**Customer:**	Atkins Global Ltd	**Report Number:**	283838
Client Reference:		**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	BOE TP 1	BOE TP 1	BOE TP 2	BOE TP 2	BOE TP 3	BOE TP 3
			Depth (m)	0.00 - 1.40	0.30	0.10	1.80	0.30	1.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	03/09/2014	03/09/2014	03/09/2014	03/09/2014	03/09/2014	03/09/2014
			Sample Time	.	.	.	.	.	.
			Date Received	05/09/2014	05/09/2014	05/09/2014	05/09/2014	05/09/2014	05/09/2014
			SDG Ref	140905-10	140905-10	140905-10	140905-10	140905-10	140905-10
			Lab Sample No.(s)	9928801	9928798	9928793	9928796	9928786	9928791
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		14	9.4	13	11	12	14

CERTIFICATE OF ANALYSIS

SDG:	140905-10	**Location:**	Closed	**Order Number:**	CD0815
Job:	H_ATKINS_LDC-238	**Customer:**	Atkins Global Ltd	**Report Number:**	283838
Client Reference:		**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	BOE TP 4	BOE TP 4	BOE TP 5	BOE TP 5	BOE TP 6	BOE TP 6
			Depth (m)	0.20	1.00	0.40	1.20	0.30	1.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	03/09/2014	03/09/2014	03/09/2014	03/09/2014	03/09/2014	03/09/2014
			Sample Time	.	.	.	.	.	.
			Date Received	05/09/2014	05/09/2014	05/09/2014	05/09/2014	05/09/2014	05/09/2014
			SDG Ref	140905-10	140905-10	140905-10	140905-10	140905-10	140905-10
			Lab Sample No.(s)	9928780	9928783	9928766	9928768	9928770	9928772
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		11	15	9.9	10	13	9.1

CERTIFICATE OF ANALYSIS

SDG:	140905-10	**Location:**	Closed	**Order Number:**	CD0815
Job:	H_ATKINS_LDC-238	**Customer:**	Atkins Global Ltd	**Report Number:**	283838
Client Reference:		**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	BOE TP 7	BOE TP 7	BOE TP 8	BOE TP 8	BOE TP 9	BOE TP 9
			Depth (m)	0.20	1.30	0.20	1.10	0.30	1.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	03/09/2014	03/09/2014	03/09/2014	03/09/2014	03/09/2014	03/09/2014
			Sample Time	.	.	.	.	.	.
			Date Received	05/09/2014	05/09/2014	05/09/2014	05/09/2014	05/09/2014	05/09/2014
			SDG Ref	140905-10	140905-10	140905-10	140905-10	140905-10	140905-10
			Lab Sample No.(s)	9928775	9928777	9928819	9928764	9928813	9928815
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		11	9.7	8.3	6.8	9.1	9.4

CERTIFICATE OF ANALYSIS

SDG:	140905-10	**Location:**	Closed	**Order Number:**	CD0815
Job:	H_ATKINS_LDC-238	**Customer:**	Atkins Global Ltd	**Report Number:**	283838
Client Reference:		**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	CA C - 1	CA C - 2	CA C - 3	CA S - 1	CA S - 2	CA S - 3
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	03/09/2014	03/09/2014	03/09/2014	03/09/2014	03/09/2014	03/09/2014
			Sample Time	.	.	.	.	.	.
			Date Received	05/09/2014	05/09/2014	05/09/2014	05/09/2014	05/09/2014	05/09/2014
			SDG Ref	140905-10	140905-10	140905-10	140905-10	140905-10	140905-10
			Lab Sample No.(s)	9928806	9928809	9928811	9928762	9928788	9928803
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		21	14	14	8.4	13	16

CERTIFICATE OF ANALYSIS

SDG:	140905-10	**Location:**	Closed	**Order Number:**	CD0815
Job:	H_ATKINS_LDC-238	**Customer:**	Atkins Global Ltd	**Report Number:**	283838
Client Reference:		**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	BOE TP 1	BOE TP 1	BOE TP 2	BOE TP 2	BOE TP 3	BOE TP 3
			Depth (m)	0.00 - 1.40	0.30	0.10	1.80	0.30	1.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	03/09/2014	03/09/2014	03/09/2014	03/09/2014	03/09/2014	03/09/2014
			Sample Time	.	.	.	.	.	.
			Date Received	05/09/2014	05/09/2014	05/09/2014	05/09/2014	05/09/2014	05/09/2014
			SDG Ref	140905-10	140905-10	140905-10	140905-10	140905-10	140905-10
			Lab Sample No.(s)	9928801	9928798	9928793	9928796	9928786	9928791
			AGS Reference						
Dibromofluoromethane**	%	TM116		105	104	99	108	102	103
Toluene-d8**	%	TM116		97.3	92.3	97.5	102	95.7	96.7
4-Bromofluorobenzene**	%	TM116		89.7	79.4	85.6	93.3	79.2	90.5
Dichlorodifluoromethane	<6 µg/kg	TM116		<6 M	<6 M	<6 M	<60 M	<6 M	<6 M
Chloromethane	<7 µg/kg	TM116		<7 #	<7 #	<7 #	<70 #	<7 #	<7 #
Vinyl Chloride	<6 µg/kg	TM116		<6 M	<6 M	<6 M	<60 M	<6 M	<6 M
Bromomethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<100 M	<10 M	<10 M
Chloroethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<100 M	<10 M	<10 M
Trichlorofluorormethane	<6 µg/kg	TM116		<6 M	<6 M	<6 M	<60 M	<6 M	<6 M
1,1-Dichloroethene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<100 #	<10 #	<10 #
Carbon Disulphide	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<70 M	<7 M	<7 M
Dichloromethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<100 #	<10 #	<10 #
Methyl Tertiary Butyl Ether	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<100 M	<10 M	<10 M
trans-1,2-Dichloroethene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<100 M	<10 M	<10 M
1,1-Dichloroethane	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<80 M	<8 M	<8 M
cis-1,2-Dichloroethene	<6 µg/kg	TM116		<6 M	<6 M	<6 M	<60 M	<6 M	<6 M
2,2-Dichloropropane	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<100 M	<10 M	<10 M
Bromochloromethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<100 M	<10 M	<10 M
Chloroform	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<80 M	<8 M	<8 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<70 M	<7 M	<7 M
1,1-Dichloropropene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<100 M	<10 M	<10 M
Carbontetrachloride	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<100 M	<10 M	<10 M
1,2-Dichloroethane	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<50 M	<5 M	<5 M
Benzene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<90 M	<9 M	<9 M
Trichloroethene	<9 µg/kg	TM116		<9 #	<9 #	<9 #	<90 #	<9 #	<9 #
1,2-Dichloropropane	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<100 M	<10 M	<10 M
Dibromomethane	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<90 M	<9 M	<9 M
Bromodichloromethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<70 M	<7 M	<7 M
cis-1,3-Dichloropropene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<100 M	<10 M	<10 M
Toluene	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<70 M	<7 M	<7 M
trans-1,3-Dichloropropene	<10 µg/kg	TM116		<10	<10	<10	<100	<10	<10
1,1,2-Trichloroethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<100 M	<10 M	<10 M

CERTIFICATE OF ANALYSIS

SDG:	140905-10	**Location:**	Closed	**Order Number:**	CD0815
Job:	H_ATKINS_LDC-238	**Customer:**	Atkins Global Ltd	**Report Number:**	283838
Client Reference:		**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	BOE TP 1	BOE TP 1	BOE TP 2	BOE TP 2	BOE TP 3	BOE TP 3
			Depth (m)	0.00 - 1.40	0.30	0.10	1.80	0.30	1.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	03/09/2014	03/09/2014	03/09/2014	03/09/2014	03/09/2014	03/09/2014
			Sample Time	.	.	.	.	.	.
			Date Received	05/09/2014	05/09/2014	05/09/2014	05/09/2014	05/09/2014	05/09/2014
			SDG Ref	140905-10	140905-10	140905-10	140905-10	140905-10	140905-10
			Lab Sample No.(s)	9928801	9928798	9928793	9928796	9928786	9928791
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<70 M	<7 M	<7 M
Tetrachloroethene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<50 M	<5 M	<5 M
Dibromochloromethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<100 M	<10 M	<10 M
1,2-Dibromoethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<100 M	<10 M	<10 M
Chlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<50 M	<5 M	<5 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<100 M	<10 M	<10 M
Ethylbenzene	<4 µg/kg	TM116		<4 M	<4 M	<4 M	<40 M	<4 M	<4 M
p/m-Xylene	<10 µg/kg	TM116		<10 #	21.4 #	<10 #	<100 #	<10 #	<10 #
o-Xylene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<100 M	<10 M	<10 M
Styrene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<100 #	<10 #	<10 #
Bromoform	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<100 M	<10 M	<10 M
Isopropylbenzene	<5 µg/kg	TM116		34.7 #	40.1 #	<5 #	<50 #	<5 #	8.43 #
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<100 M	<10 M	<10 M
1,2,3-Trichloropropane	<16 µg/kg	TM116		<16 M	<16 M	<16 M	<160 M	<16 M	<16 M
Bromobenzene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<100 M	<10 M	<10 M
Propylbenzene	<10 µg/kg	TM116		36.2 M	59 M	<10 M	<100 M	<10 M	12.4 M
2-Chlorotoluene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<90 M	<9 M	<9 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<8 M	387 M	<8 M	<80 M	<8 M	<8 M
4-Chlorotoluene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<100 M	<10 M	<10 M
tert-Butylbenzene	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<140 M	<14 M	<14 M
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		17.8 #	1100 #	<9 #	<90 #	<9 #	<9 #
sec-Butylbenzene	<10 µg/kg	TM116		46.9 M	163 M	<10 M	<100 M	<10 M	<10 M
4-Isopropyltoluene	<10 µg/kg	TM116		<10 M	34.4 M	<10 M	<100 M	<10 M	<10 M
1,3-Dichlorobenzene	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<80 M	<8 M	<8 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<50 M	<5 M	<5 M
n-Butylbenzene	<11 µg/kg	TM116		<11	119	<11	<110	<11	<11
1,2-Dichlorobenzene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<100 M	<10 M	<10 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<140 M	<14 M	<14 M
Tert-amyl methyl ether	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<100 #	<10 #	<10 #
1,2,4-Trichlorobenzene	<20 µg/kg	TM116		<20	<20	<20	<200	<20	<20
Hexachlorobutadiene	<20 µg/kg	TM116		<20	<20	<20	<200	<20	<20
Naphthalene	<13 µg/kg	TM116		<13 M	<13 M	<13 M	<130 M	<13 M	<13 M

CERTIFICATE OF ANALYSIS

SDG:	140905-10	**Location:**	Closed	**Order Number:**	CD0815
Job:	H_ATKINS_LDC-238	**Customer:**	Atkins Global Ltd	**Report Number:**	283838
Client Reference:		**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	BOE TP 1	BOE TP 1	BOE TP 2	BOE TP 2	BOE TP 3	BOE TP 3
			Depth (m)	0.00 - 1.40	0.30	0.10	1.80	0.30	1.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	03/09/2014	03/09/2014	03/09/2014	03/09/2014	03/09/2014	03/09/2014
			Sample Time	.	.	.	.	.	.
			Date Received	05/09/2014	05/09/2014	05/09/2014	05/09/2014	05/09/2014	05/09/2014
			SDG Ref	140905-10	140905-10	140905-10	140905-10	140905-10	140905-10
			Lab Sample No.(s)	9928801	9928798	9928793	9928796	9928786	9928791
			AGS Reference						
1,2,3-Trichlorobenzene	<20 µg/kg	TM116		<20 #	<20 #	<20 #	<200 #	<20 #	<20 #

CERTIFICATE OF ANALYSIS

SDG:	140905-10	**Location:**	Closed	**Order Number:**	CD0815
Job:	H_ATKINS_LDC-238	**Customer:**	Atkins Global Ltd	**Report Number:**	283838
Client Reference:		**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	BOE TP 4	BOE TP 4	BOE TP 5	BOE TP 5	BOE TP 6	BOE TP 6
			Depth (m)	0.20	1.00	0.40	1.20	0.30	1.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	03/09/2014	03/09/2014	03/09/2014	03/09/2014	03/09/2014	03/09/2014
			Sample Time	.	.	.	.	.	.
			Date Received	05/09/2014	05/09/2014	05/09/2014	05/09/2014	05/09/2014	05/09/2014
			SDG Ref	140905-10	140905-10	140905-10	140905-10	140905-10	140905-10
			Lab Sample No.(s)	9928780	9928783	9928766	9928768	9928770	9928772
			AGS Reference						
Dibromofluoromethane**	%	TM116		118	109	118	105	108	106
Toluene-d8**	%	TM116		99.1	99.9	102	97.8	102	98.9
4-Bromofluorobenzene**	%	TM116		76.1	86.1	82.3	94.7	95.5	104
Dichlorodifluoromethane	<6 µg/kg	TM116		<6 M	<60 M	<60 M	<6 M	<60 M	<60 M
Chloromethane	<7 µg/kg	TM116		<7 #	<70 #	<70 #	<7 #	<70 #	<70 #
Vinyl Chloride	<6 µg/kg	TM116		<6 M	<60 M	<60 M	<6 M	<60 M	<60 M
Bromomethane	<10 µg/kg	TM116		<10 M	<100 M	<100 M	<10 M	<100 M	<100 M
Chloroethane	<10 µg/kg	TM116		<10 M	<100 M	<100 M	<10 M	<100 M	<100 M
Trichlorofluorormethane	<6 µg/kg	TM116		<6 M	<60 M	<60 M	<6 M	<60 M	<60 M
1,1-Dichloroethene	<10 µg/kg	TM116		<10 #	<100 #	<100 #	<10 #	<100 #	<100 #
Carbon Disulphide	<7 µg/kg	TM116		<7 M	<70 M	<70 M	<7 M	<70 M	<70 M
Dichloromethane	<10 µg/kg	TM116		<10 #	<100 #	<100 #	<10 #	<100 #	<100 #
Methyl Tertiary Butyl Ether	<10 µg/kg	TM116		<10 M	<100 M	<100 M	<10 M	<100 M	<100 M
trans-1,2-Dichloroethene	<10 µg/kg	TM116		<10 M	<100 M	<100 M	<10 M	<100 M	<100 M
1,1-Dichloroethane	<8 µg/kg	TM116		<8 M	<80 M	<80 M	<8 M	<80 M	<80 M
cis-1,2-Dichloroethene	<6 µg/kg	TM116		<6 M	<60 M	<60 M	<6 M	<60 M	<60 M
2,2-Dichloropropane	<10 µg/kg	TM116		<10 M	<100 M	<100 M	<10 M	<100 M	<100 M
Bromochloromethane	<10 µg/kg	TM116		<10 M	<100 M	<100 M	<10 M	<100 M	<100 M
Chloroform	<8 µg/kg	TM116		<8 M	<80 M	<80 M	<8 M	<80 M	<80 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<7 M	<70 M	<70 M	<7 M	<70 M	<70 M
1,1-Dichloropropene	<10 µg/kg	TM116		<10 M	<100 M	<100 M	<10 M	<100 M	<100 M
Carbontetrachloride	<10 µg/kg	TM116		<10 M	<100 M	<100 M	<10 M	<100 M	<100 M
1,2-Dichloroethane	<5 µg/kg	TM116		<5 M	<50 M	<50 M	<5 M	<50 M	<50 M
Benzene	<9 µg/kg	TM116		<9 M	<90 M	<90 M	<9 M	<90 M	<90 M
Trichloroethene	<9 µg/kg	TM116		<9 #	<90 #	<90 #	<9 #	<90 #	<90 #
1,2-Dichloropropane	<10 µg/kg	TM116		<10 M	<100 M	<100 M	<10 M	<100 M	<100 M
Dibromomethane	<9 µg/kg	TM116		<9 M	<90 M	<90 M	<9 M	<90 M	<90 M
Bromodichloromethane	<7 µg/kg	TM116		<7 M	<70 M	<70 M	<7 M	<70 M	<70 M
cis-1,3-Dichloropropene	<10 µg/kg	TM116		<10 M	<100 M	<100 M	<10 M	<100 M	<100 M
Toluene	<7 µg/kg	TM116		<7 M	<70 M	<70 M	<7 M	<70 M	<70 M
trans-1,3-Dichloropropene	<10 µg/kg	TM116		<10	<100	<100	<10	<100	<100
1,1,2-Trichloroethane	<10 µg/kg	TM116		<10 M	<100 M	<100 M	<10 M	<100 M	<100 M

CERTIFICATE OF ANALYSIS

SDG:	140905-10	**Location:**	Closed	**Order Number:**	CD0815
Job:	H_ATKINS_LDC-238	**Customer:**	Atkins Global Ltd	**Report Number:**	283838
Client Reference:		**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	BOE TP 4	BOE TP 4	BOE TP 5	BOE TP 5	BOE TP 6	BOE TP 6
			Depth (m)	0.20	1.00	0.40	1.20	0.30	1.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	03/09/2014	03/09/2014	03/09/2014	03/09/2014	03/09/2014	03/09/2014
			Sample Time	.	.	.	.	.	.
			Date Received	05/09/2014	05/09/2014	05/09/2014	05/09/2014	05/09/2014	05/09/2014
			SDG Ref	140905-10	140905-10	140905-10	140905-10	140905-10	140905-10
			Lab Sample No.(s)	9928780	9928783	9928766	9928768	9928770	9928772
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<7 M	<70 M	<70 M	<7 M	<70 M	<70 M
Tetrachloroethene	<5 µg/kg	TM116		<5 M	<50 M	<50 M	<5 M	<50 M	<50 M
Dibromochloromethane	<10 µg/kg	TM116		<10 M	<100 M	<100 M	<10 M	<100 M	<100 M
1,2-Dibromoethane	<10 µg/kg	TM116		<10 M	<100 M	<100 M	<10 M	<100 M	<100 M
Chlorobenzene	<5 µg/kg	TM116		<5 M	<50 M	<50 M	<5 M	<50 M	<50 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<10 M	<100 M	<100 M	<10 M	<100 M	<100 M
Ethylbenzene	<4 µg/kg	TM116		<4 M	<40 M	<40 M	<4 M	<40 M	<40 M
p/m-Xylene	<10 µg/kg	TM116		<10 #	<100 #	<100 #	<10 #	<100 #	<100 #
o-Xylene	<10 µg/kg	TM116		<10 M	<100 M	<100 M	<10 M	<100 M	<100 M
Styrene	<10 µg/kg	TM116		<10 #	<100 #	<100 #	<10 #	<100 #	<100 #
Bromoform	<10 µg/kg	TM116		<10 M	<100 M	<100 M	<10 M	<100 M	<100 M
Isopropylbenzene	<5 µg/kg	TM116		<5 #	<50 #	<50 #	<5 #	410 #	<50 #
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<10 M	<100 M	<100 M	<10 M	<100 M	<100 M
1,2,3-Trichloropropane	<16 µg/kg	TM116		<16 M	<160 M	<160 M	<16 M	<160 M	<160 M
Bromobenzene	<10 µg/kg	TM116		<10 M	<100 M	<100 M	<10 M	<100 M	<100 M
Propylbenzene	<10 µg/kg	TM116		<10 M	<100 M	<100 M	<10 M	790 M	<100 M
2-Chlorotoluene	<9 µg/kg	TM116		<9 M	<90 M	<90 M	<9 M	<90 M	<90 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<8 M	<80 M	183 M	101 M	797 M	<80 M
4-Chlorotoluene	<10 µg/kg	TM116		<10 M	<100 M	<100 M	<10 M	<100 M	<100 M
tert-Butylbenzene	<14 µg/kg	TM116		<14 M	<140 M	<140 M	<14 M	<140 M	<140 M
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		33.3 #	<90 #	<90 #	132 #	3660 #	<90 #
sec-Butylbenzene	<10 µg/kg	TM116		<10 M	<100 M	<100 M	<10 M	510 M	<100 M
4-Isopropyltoluene	<10 µg/kg	TM116		<10 M	<100 M	<100 M	<10 M	224 M	<100 M
1,3-Dichlorobenzene	<8 µg/kg	TM116		<8 M	<80 M	<80 M	<8 M	<80 M	<80 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<5 M	<50 M	<50 M	<5 M	<50 M	<50 M
n-Butylbenzene	<11 µg/kg	TM116		<11	<110	<110	21.6	511	<110
1,2-Dichlorobenzene	<10 µg/kg	TM116		<10 M	<100 M	<100 M	<10 M	<100 M	<100 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<14 M	<140 M	<140 M	<14 M	<140 M	<140 M
Tert-amyl methyl ether	<10 µg/kg	TM116		<10 #	<100 #	<100 #	<10 #	<100 #	<100 #
1,2,4-Trichlorobenzene	<20 µg/kg	TM116		<20	<200	<200	<20	<200	<200
Hexachlorobutadiene	<20 µg/kg	TM116		<20	<200	<200	<20	<200	<200
Naphthalene	<13 µg/kg	TM116		<13 M	<130 M	<130 M	<13 M	<130 M	<130 M

CERTIFICATE OF ANALYSIS

SDG:	140905-10	**Location:**	Closed	**Order Number:**	CD0815
Job:	H_ATKINS_LDC-238	**Customer:**	Atkins Global Ltd	**Report Number:**	283838
Client Reference:		**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	BOE TP 4	BOE TP 4	BOE TP 5	BOE TP 5	BOE TP 6	BOE TP 6
			Depth (m)	0.20	1.00	0.40	1.20	0.30	1.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	03/09/2014	03/09/2014	03/09/2014	03/09/2014	03/09/2014	03/09/2014
			Sample Time	.	.	.	.	.	.
			Date Received	05/09/2014	05/09/2014	05/09/2014	05/09/2014	05/09/2014	05/09/2014
			SDG Ref	140905-10	140905-10	140905-10	140905-10	140905-10	140905-10
			Lab Sample No.(s)	9928780	9928783	9928766	9928768	9928770	9928772
			AGS Reference						
1,2,3-Trichlorobenzene	<20 µg/kg	TM116		<20 #	<200 #	<200 #	<20 #	<200 #	<200 #

CERTIFICATE OF ANALYSIS

SDG:	140905-10	**Location:**	Closed	**Order Number:**	CD0815
Job:	H_ATKINS_LDC-238	**Customer:**	Atkins Global Ltd	**Report Number:**	283838
Client Reference:		**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	BOE TP 7	BOE TP 7	BOE TP 8	BOE TP 8	BOE TP 9	BOE TP 9
			Depth (m)	0.20	1.30	0.20	1.10	0.30	1.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	03/09/2014	03/09/2014	03/09/2014	03/09/2014	03/09/2014	03/09/2014
			Sample Time	.	.	.	.	.	.
			Date Received	05/09/2014	05/09/2014	05/09/2014	05/09/2014	05/09/2014	05/09/2014
			SDG Ref	140905-10	140905-10	140905-10	140905-10	140905-10	140905-10
			Lab Sample No.(s)	9928775	9928777	9928819	9928764	9928813	9928815
			AGS Reference						
Dibromofluoromethane**	%	TM116		111	110	108	116	111	115
Toluene-d8**	%	TM116		101	102	92.1	83.9	90.4	85.9
4-Bromofluorobenzene**	%	TM116		93.5	77.8	83.4	70.5	76.5	71.1
Dichlorodifluoromethane	<6 µg/kg	TM116		<60 M	<6 M	<6 M	<6 M	<6 M	<6 M
Chloromethane	<7 µg/kg	TM116		<70 #	<7 #	<7 #	<7 #	<7 #	<7 #
Vinyl Chloride	<6 µg/kg	TM116		<60 M	<6 M	<6 M	<6 M	<6 M	<6 M
Bromomethane	<10 µg/kg	TM116		<100 M	<10 M	<10 M	<10 M	<10 M	<10 M
Chloroethane	<10 µg/kg	TM116		<100 M	<10 M	<10 M	<10 M	<10 M	<10 M
Trichlorofluorormethane	<6 µg/kg	TM116		<60 M	<6 M	<6 M	<6 M	<6 M	<6 M
1,1-Dichloroethene	<10 µg/kg	TM116		<100 #	<10 #	<10 #	<10 #	<10 #	<10 #
Carbon Disulphide	<7 µg/kg	TM116		<70 M	<7 M	<7 M	<7 M	<7 M	<7 M
Dichloromethane	<10 µg/kg	TM116		<100 #	<10 #	<10 #	<10 #	<10 #	<10 #
Methyl Tertiary Butyl Ether	<10 µg/kg	TM116		<100 M	<10 M	<10 M	<10 M	<10 M	<10 M
trans-1,2-Dichloroethene	<10 µg/kg	TM116		<100 M	<10 M	<10 M	<10 M	<10 M	<10 M
1,1-Dichloroethane	<8 µg/kg	TM116		<80 M	<8 M	<8 M	<8 M	<8 M	<8 M
cis-1,2-Dichloroethene	<6 µg/kg	TM116		<60 M	<6 M	<6 M	<6 M	<6 M	<6 M
2,2-Dichloropropane	<10 µg/kg	TM116		<100 M	<10 M	<10 M	<10 M	<10 M	<10 M
Bromochloromethane	<10 µg/kg	TM116		<100 M	<10 M	<10 M	<10 M	<10 M	<10 M
Chloroform	<8 µg/kg	TM116		<80 M	<8 M	<8 M	<8 M	<8 M	<8 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<70 M	<7 M	<7 M	<7 M	<7 M	<7 M
1,1-Dichloropropene	<10 µg/kg	TM116		<100 M	<10 M	<10 M	<10 M	<10 M	<10 M
Carbontetrachloride	<10 µg/kg	TM116		<100 M	<10 M	<10 M	<10 M	<10 M	<10 M
1,2-Dichloroethane	<5 µg/kg	TM116		<50 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<9 µg/kg	TM116		<90 M	<9 M	<9 M	<9 M	<9 M	<9 M
Trichloroethene	<9 µg/kg	TM116		<90 #	<9 #	<9 #	<9 #	<9 #	<9 #
1,2-Dichloropropane	<10 µg/kg	TM116		<100 M	<10 M	<10 M	<10 M	<10 M	<10 M
Dibromomethane	<9 µg/kg	TM116		<90 M	<9 M	<9 M	<9 M	<9 M	<9 M
Bromodichloromethane	<7 µg/kg	TM116		<70 M	<7 M	<7 M	<7 M	<7 M	<7 M
cis-1,3-Dichloropropene	<10 µg/kg	TM116		<100 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<7 µg/kg	TM116		<70 M	<7 M	<7 M	<7 M	<7 M	<7 M
trans-1,3-Dichloropropene	<10 µg/kg	TM116		<100	<10	<10	<10	<10	<10
1,1,2-Trichloroethane	<10 µg/kg	TM116		<100 M	<10 M	<10 M	<10 M	<10 M	<10 M

CERTIFICATE OF ANALYSIS

SDG:	140905-10	**Location:**	Closed	**Order Number:**	CD0815
Job:	H_ATKINS_LDC-238	**Customer:**	Atkins Global Ltd	**Report Number:**	283838
Client Reference:		**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	BOE TP 7	BOE TP 7	BOE TP 8	BOE TP 8	BOE TP 9	BOE TP 9
			Depth (m)	0.20	1.30	0.20	1.10	0.30	1.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	03/09/2014	03/09/2014	03/09/2014	03/09/2014	03/09/2014	03/09/2014
			Sample Time	.	.	.	.	.	.
			Date Received	05/09/2014	05/09/2014	05/09/2014	05/09/2014	05/09/2014	05/09/2014
			SDG Ref	140905-10	140905-10	140905-10	140905-10	140905-10	140905-10
			Lab Sample No.(s)	9928775	9928777	9928819	9928764	9928813	9928815
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<70 M	<7 M	<7 M	<7 M	<7 M	<7 M
Tetrachloroethene	<5 µg/kg	TM116		<50 M	<5 M	<5 M	<5 M	<5 M	<5 M
Dibromochloromethane	<10 µg/kg	TM116		<100 M	<10 M	<10 M	<10 M	<10 M	<10 M
1,2-Dibromoethane	<10 µg/kg	TM116		<100 M	<10 M	<10 M	<10 M	<10 M	<10 M
Chlorobenzene	<5 µg/kg	TM116		<50 M	<5 M	<5 M	<5 M	<5 M	<5 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<100 M	<10 M	<10 M	<10 M	<10 M	<10 M
Ethylbenzene	<4 µg/kg	TM116		<40 M	<4 M	<4 M	<4 M	<4 M	5.41 M
p/m-Xylene	<10 µg/kg	TM116		<100 #	<10 #	<10 #	<10 #	<10 #	24.8 #
o-Xylene	<10 µg/kg	TM116		<100 M	<10 M	<10 M	<10 M	<10 M	<10 M
Styrene	<10 µg/kg	TM116		<100 #	<10 #	<10 #	<10 #	<10 #	<10 #
Bromoform	<10 µg/kg	TM116		<100 M	<10 M	<10 M	<10 M	<10 M	<10 M
Isopropylbenzene	<5 µg/kg	TM116		<50 #	29.5 #	<5 #	<5 #	13.9 #	26 #
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<100 M	<10 M	<10 M	<10 M	<10 M	<10 M
1,2,3-Trichloropropane	<16 µg/kg	TM116		<160 M	<16 M	<16 M	<16 M	<16 M	<16 M
Bromobenzene	<10 µg/kg	TM116		<100 M	<10 M	<10 M	<10 M	<10 M	<10 M
Propylbenzene	<10 µg/kg	TM116		<100 M	<10 M	<10 M	<10 M	23.4 M	46 M
2-Chlorotoluene	<9 µg/kg	TM116		<90 M	<9 M	<9 M	<9 M	<9 M	<9 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<80 M	<8 M	<8 M	<8 M	138 M	494 M
4-Chlorotoluene	<10 µg/kg	TM116		<100 M	<10 M	<10 M	<10 M	<10 M	<10 M
tert-Butylbenzene	<14 µg/kg	TM116		<140 M	<14 M	<14 M	<14 M	<14 M	<14 M
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<90 #	85.7 #	<9 #	<9 #	65.9 #	1360 #
sec-Butylbenzene	<10 µg/kg	TM116		<100 M	<10 M	<10 M	<10 M	<10 M	<10 M
4-Isopropyltoluene	<10 µg/kg	TM116		<100 M	<10 M	<10 M	<10 M	23.7 M	<10 M
1,3-Dichlorobenzene	<8 µg/kg	TM116		<80 M	<8 M	<8 M	<8 M	<8 M	<8 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<50 M	<5 M	<5 M	<5 M	<5 M	<5 M
n-Butylbenzene	<11 µg/kg	TM116		<110	<11	<11	<11	<11	68.3
1,2-Dichlorobenzene	<10 µg/kg	TM116		<100 M	<10 M	<10 M	<10 M	<10 M	<10 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<140 M	<14 M	<14 M	<14 M	<14 M	<14 M
Tert-amyl methyl ether	<10 µg/kg	TM116		<100 #	<10 #	<10 #	<10 #	<10 #	<10 #
1,2,4-Trichlorobenzene	<20 µg/kg	TM116		<200	<20	<20	<20	<20	<20
Hexachlorobutadiene	<20 µg/kg	TM116		<200	<20	<20	<20	<20	<20
Naphthalene	<13 µg/kg	TM116		<130 M	<13 M	<13 M	<13 M	<13 M	<13 M

CERTIFICATE OF ANALYSIS

SDG:	140905-10	**Location:**	Closed	**Order Number:**	CD0815
Job:	H_ATKINS_LDC-238	**Customer:**	Atkins Global Ltd	**Report Number:**	283838
Client Reference:		**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	BOE TP 7	BOE TP 7	BOE TP 8	BOE TP 8	BOE TP 9	BOE TP 9
			Depth (m)	0.20	1.30	0.20	1.10	0.30	1.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	03/09/2014	03/09/2014	03/09/2014	03/09/2014	03/09/2014	03/09/2014
			Sample Time	.	.	.	.	.	.
			Date Received	05/09/2014	05/09/2014	05/09/2014	05/09/2014	05/09/2014	05/09/2014
			SDG Ref	140905-10	140905-10	140905-10	140905-10	140905-10	140905-10
			Lab Sample No.(s)	9928775	9928777	9928819	9928764	9928813	9928815
			AGS Reference						
1,2,3-Trichlorobenzene	<20 µg/kg	TM116		<200 #	<20 #	<20 #	<20 #	<20 #	<20 #

CERTIFICATE OF ANALYSIS

SDG:	140905-10	**Location:**	Closed	**Order Number:**	CD0815
Job:	H_ATKINS_LDC-238	**Customer:**	Atkins Global Ltd	**Report Number:**	283838
Client Reference:		**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	CA C - 1	CA C - 2	CA C - 3	CA S - 1	CA S - 2	CA S - 3
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	03/09/2014	03/09/2014	03/09/2014	03/09/2014	03/09/2014	03/09/2014
			Sample Time	.	.	.	.	.	.
			Date Received	05/09/2014	05/09/2014	05/09/2014	05/09/2014	05/09/2014	05/09/2014
			SDG Ref	140905-10	140905-10	140905-10	140905-10	140905-10	140905-10
			Lab Sample No.(s)	9928806	9928809	9928811	9928762	9928788	9928803
			AGS Reference						
Dibromofluoromethane**	%	TM116		112	119	110	108	110	112
Toluene-d8**	%	TM116		102	106	98.5	94.4	100	101
4-Bromofluorobenzene**	%	TM116		90.1	87.1	81.8	85.1	85.4	77.8
Dichlorodifluoromethane	<6 µg/kg	TM116		<60 M	<60 M	<60 M	<6 M	<60 M	<60 M
Chloromethane	<7 µg/kg	TM116		<70 #	<70 #	<70 #	<7 #	<70 #	<70 #
Vinyl Chloride	<6 µg/kg	TM116		<60 M	<60 M	<60 M	<6 M	<60 M	<60 M
Bromomethane	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<10 M	<100 M	<100 M
Chloroethane	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<10 M	<100 M	<100 M
Trichlorofluorormethane	<6 µg/kg	TM116		<60 M	<60 M	<60 M	<6 M	<60 M	<60 M
1,1-Dichloroethene	<10 µg/kg	TM116		<100 #	<100 #	<100 #	<10 #	<100 #	<100 #
Carbon Disulphide	<7 µg/kg	TM116		<70 M	<70 M	<70 M	<7 M	<70 M	<70 M
Dichloromethane	<10 µg/kg	TM116		<100 #	<100 #	<100 #	<10 #	<100 #	<100 #
Methyl Tertiary Butyl Ether	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<10 M	<100 M	<100 M
trans-1,2-Dichloroethene	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<10 M	<100 M	<100 M
1,1-Dichloroethane	<8 µg/kg	TM116		<80 M	<80 M	<80 M	<8 M	<80 M	<80 M
cis-1,2-Dichloroethene	<6 µg/kg	TM116		<60 M	<60 M	<60 M	<6 M	<60 M	<60 M
2,2-Dichloropropane	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<10 M	<100 M	<100 M
Bromochloromethane	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<10 M	<100 M	<100 M
Chloroform	<8 µg/kg	TM116		<80 M	<80 M	<80 M	<8 M	<80 M	<80 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<70 M	<70 M	<70 M	<7 M	<70 M	<70 M
1,1-Dichloropropene	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<10 M	<100 M	<100 M
Carbontetrachloride	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<10 M	<100 M	<100 M
1,2-Dichloroethane	<5 µg/kg	TM116		<50 M	<50 M	<50 M	<5 M	<50 M	<50 M
Benzene	<9 µg/kg	TM116		<90 M	<90 M	<90 M	<9 M	<90 M	<90 M
Trichloroethene	<9 µg/kg	TM116		<90 #	<90 #	<90 #	<9 #	<90 #	<90 #
1,2-Dichloropropane	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<10 M	<100 M	<100 M
Dibromomethane	<9 µg/kg	TM116		<90 M	<90 M	<90 M	<9 M	<90 M	<90 M
Bromodichloromethane	<7 µg/kg	TM116		<70 M	<70 M	<70 M	<7 M	<70 M	<70 M
cis-1,3-Dichloropropene	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<10 M	<100 M	<100 M
Toluene	<7 µg/kg	TM116		<70 M	<70 M	<70 M	<7 M	<70 M	<70 M
trans-1,3-Dichloropropene	<10 µg/kg	TM116		<100	<100	<100	<10	<100	<100
1,1,2-Trichloroethane	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<10 M	<100 M	<100 M

CERTIFICATE OF ANALYSIS

SDG:	140905-10	**Location:**	Closed	**Order Number:**	CD0815
Job:	H_ATKINS_LDC-238	**Customer:**	Atkins Global Ltd	**Report Number:**	283838
Client Reference:		**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	CA C - 1	CA C - 2	CA C - 3	CA S - 1	CA S - 2	CA S - 3
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	03/09/2014	03/09/2014	03/09/2014	03/09/2014	03/09/2014	03/09/2014
			Sample Time	.	.	.	.	.	.
			Date Received	05/09/2014	05/09/2014	05/09/2014	05/09/2014	05/09/2014	05/09/2014
			SDG Ref	140905-10	140905-10	140905-10	140905-10	140905-10	140905-10
			Lab Sample No.(s)	9928806	9928809	9928811	9928762	9928788	9928803
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<70 M	<70 M	<70 M	<7 M	<70 M	<70 M
Tetrachloroethene	<5 µg/kg	TM116		<50 M	<50 M	<50 M	<5 M	<50 M	<50 M
Dibromochloromethane	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<10 M	<100 M	<100 M
1,2-Dibromoethane	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<10 M	<100 M	<100 M
Chlorobenzene	<5 µg/kg	TM116		<50 M	<50 M	<50 M	<5 M	<50 M	<50 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<10 M	<100 M	<100 M
Ethylbenzene	<4 µg/kg	TM116		<40 M	<40 M	<40 M	<4 M	<40 M	<40 M
p/m-Xylene	<10 µg/kg	TM116		<100 #	<100 #	<100 #	<10 #	<100 #	<100 #
o-Xylene	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<10 M	<100 M	<100 M
Styrene	<10 µg/kg	TM116		<100 #	<100 #	<100 #	<10 #	<100 #	<100 #
Bromoform	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<10 M	<100 M	<100 M
Isopropylbenzene	<5 µg/kg	TM116		<50 #	<50 #	<50 #	20.9 #	<50 #	<50 #
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<10 M	<100 M	<100 M
1,2,3-Trichloropropane	<16 µg/kg	TM116		<160 M	<160 M	<160 M	<16 M	<160 M	<160 M
Bromobenzene	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<10 M	<100 M	<100 M
Propylbenzene	<10 µg/kg	TM116		<100 M	<100 M	<100 M	36.6 M	<100 M	<100 M
2-Chlorotoluene	<9 µg/kg	TM116		<90 M	<90 M	<90 M	<9 M	<90 M	<90 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<80 M	<80 M	<80 M	57.5 M	<80 M	<80 M
4-Chlorotoluene	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<10 M	<100 M	<100 M
tert-Butylbenzene	<14 µg/kg	TM116		<140 M	<140 M	<140 M	<14 M	<140 M	<140 M
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<90 #	<90 #	<90 #	269 #	<90 #	<90 #
sec-Butylbenzene	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<10 M	<100 M	<100 M
4-Isopropyltoluene	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<10 M	<100 M	<100 M
1,3-Dichlorobenzene	<8 µg/kg	TM116		<80 M	<80 M	<80 M	<8 M	<80 M	<80 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<50 M	<50 M	<50 M	<5 M	<50 M	<50 M
n-Butylbenzene	<11 µg/kg	TM116		<110	<110	<110	40.3	<110	<110
1,2-Dichlorobenzene	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<10 M	<100 M	<100 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<140 M	<140 M	<140 M	<14 M	<140 M	<140 M
Tert-amyl methyl ether	<10 µg/kg	TM116		<100 #	<100 #	<100 #	<10 #	<100 #	<100 #
1,2,4-Trichlorobenzene	<20 µg/kg	TM116		<200	<200	<200	<20	<200	<200
Hexachlorobutadiene	<20 µg/kg	TM116		<200	<200	<200	<20	<200	<200
Naphthalene	<13 µg/kg	TM116		<130 M	<130 M	<130 M	<13 M	<130 M	<130 M

CERTIFICATE OF ANALYSIS

SDG:	140905-10	**Location:**	Closed	**Order Number:**	CD0815
Job:	H_ATKINS_LDC-238	**Customer:**	Atkins Global Ltd	**Report Number:**	283838
Client Reference:		**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	CA C - 1	CA C - 2	CA C - 3	CA S - 1	CA S - 2	CA S - 3
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	03/09/2014	03/09/2014	03/09/2014	03/09/2014	03/09/2014	03/09/2014
			Sample Time	.	.	.	.	.	.
			Date Received	05/09/2014	05/09/2014	05/09/2014	05/09/2014	05/09/2014	05/09/2014
			SDG Ref	140905-10	140905-10	140905-10	140905-10	140905-10	140905-10
			Lab Sample No.(s)	9928806	9928809	9928811	9928762	9928788	9928803
			AGS Reference						
1,2,3-Trichlorobenzene	<20 µg/kg	TM116		<200 #	<200 #	<200 #	<20 #	<200 #	<200 #

CERTIFICATE OF ANALYSIS

SDG:	140905-10	**Location:**	Closed	**Order Number:**	CD0815
Job:	H_ATKINS_LDC-238	**Customer:**	Atkins Global Ltd	**Report Number:**	283838
Client Reference:		**Attention:**	Jack Lowrie	**Superseded Report:**	

Table of Results - Appendix

Method No	Reference	Description	Wet/Dry Sample [1]	Surrogate Corrected
PM024	Modified BS 1377	Soil preparation including homogenisation, moisture screens of soils for Asbestos Containing Material		
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS		

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

CERTIFICATE OF ANALYSIS

SDG:	140905-10	**Location:**	Closed	**Order Number:**	CD0815
Job:	H_ATKINS_LDC-238	**Customer:**	Atkins Global Ltd	**Report Number:**	283838
Client Reference:		**Attention:**	Jack Lowrie	**Superseded Report:**	

Test Completion Dates

Lab Sample No(s)	9928798	9928801	9928793	9928796	9928786	9928791	9928780	9928783	9928766	9928768
Customer Sample Ref.	BOE TP 1	BOE TP 1	BOE TP 2	BOE TP 2	BOE TP 3	BOE TP 3	BOE TP 4	BOE TP 4	BOE TP 5	BOE TP 5
AGS Ref.										
Depth	0.30	0.00 - 1.40	0.10	1.80	0.30	1.20	0.20	1.00	0.40	1.20
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Sample description	10-Sep-2014	10-Sep-2014	10-Sep-2014	10-Sep-2014	10-Sep-2014	10-Sep-2014	10-Sep-2014	10-Sep-2014	10-Sep-2014	10-Sep-2014
VOC MS (S)	12-Sep-2014	11-Sep-2014	11-Sep-2014	12-Sep-2014	11-Sep-2014	11-Sep-2014	11-Sep-2014	11-Sep-2014	11-Sep-2014	11-Sep-2014

Lab Sample No(s)	9928770	9928772	9928775	9928777	9928764	9928819	9928813	9928815	9928806	9928809
Customer Sample Ref.	BOE TP 6	BOE TP 6	BOE TP 7	BOE TP 7	BOE TP 8	BOE TP 8	BOE TP 9	BOE TP 9	CA C - 1	CA C - 2
AGS Ref.										
Depth	0.30	1.40	0.20	1.30	1.10	0.20	0.30	1.20	0.00 - 0.00	0.00 - 0.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Sample description	10-Sep-2014	10-Sep-2014	10-Sep-2014	10-Sep-2014	10-Sep-2014	10-Sep-2014	10-Sep-2014	10-Sep-2014	10-Sep-2014	10-Sep-2014
VOC MS (S)	12-Sep-2014	11-Sep-2014	12-Sep-2014	12-Sep-2014	11-Sep-2014	11-Sep-2014	11-Sep-2014	11-Sep-2014	12-Sep-2014	11-Sep-2014

Lab Sample No(s)	9928811	9928762	9928788	9928803
Customer Sample Ref.	CA C - 3	CA S - 1	CA S - 2	CA S - 3
AGS Ref.				
Depth	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
Type	SOLID	SOLID	SOLID	SOLID
Sample description	10-Sep-2014	10-Sep-2014	10-Sep-2014	10-Sep-2014
VOC MS (S)	12-Sep-2014	11-Sep-2014	12-Sep-2014	12-Sep-2014

SDG:	140905-10	**Location:**	Closed	**Order Number:**	CD0815
Job:	H_ATKINS_LDC-238	**Customer:**	Atkins Global Ltd	**Report Number:**	283838
Client Reference:		**Attention:**	Jack Lowrie	**Superseded Report:**	

Appendix

General

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

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

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

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

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

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

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

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

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

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

11. Results relate only to the items tested.

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

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

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

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

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

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

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

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

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

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

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

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

Sample Deviations

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

Asbestos

Identification of Asbestos in Bulk Materials & Soils

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

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

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

Visual Estimation Of Fibre Content

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

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

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

ALcontrol Laboratories

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Attention: Jack Lowrie

CERTIFICATE OF ANALYSIS

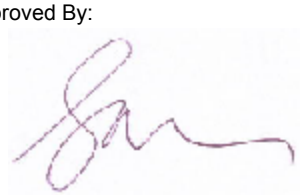
Date:	15 September 2014
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	140904-73
Your Reference:	Commercial Area
Location:	Coed Darcy Urban Village
Report No:	284142

We received 18 samples on Thursday September 04, 2014 and 18 of these samples were scheduled for analysis which was completed on Monday September 15, 2014. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

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

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

Approved By:



Sonia McWhan

Operations Manager

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CERTIFICATE OF ANALYSIS

SDG:	140904-73	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0814
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	284142
Client Reference:	Commercial Area	**Attention:**	Jack Lowrie	**Superseded Report:**	

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
9923418	SF1		0.00 - 0.00	02/09/2014
9923473	SF2		0.00 - 0.00	02/09/2014
9923478	SF3		0.00 - 0.00	02/09/2014
9923483	SF4		0.00 - 0.00	02/09/2014
9923487	SF5		0.00 - 0.00	02/09/2014
9923494	SF6		0.00 - 0.00	02/09/2014
9923501	SF7		0.00 - 0.00	02/09/2014
9923506	SF8		0.00 - 0.00	02/09/2014
9923511	SF9		0.00 - 0.00	02/09/2014
9923422	SF10		0.00 - 0.00	02/09/2014
9923427	SF11		0.00 - 0.00	02/09/2014
9923431	SF12		0.00 - 0.00	02/09/2014
9923435	SF13		0.00 - 0.00	02/09/2014
9923441	SF14		0.00 - 0.00	02/09/2014
9923450	SF15		0.00 - 0.00	02/09/2014
9923457	SF16		0.00 - 0.00	02/09/2014
9923463	SF17		0.00 - 0.00	02/09/2014
9923468	SF18		0.00 - 0.00	02/09/2014

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

CERTIFICATE OF ANALYSIS

SDG:	140904-73	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0814
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	284142
Client Reference:	Commercial Area	**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
			9923418	SF1		0.00 - 0.00	250g Amber Jar (AL)
			9923418	SF1		0.00 - 0.00	400g Tub (ALE214)
			9923418	SF1		0.00 - 0.00	60g VOC (ALE215)
			9923473	SF2		0.00 - 0.00	250g Amber Jar (AL)
			9923473	SF2		0.00 - 0.00	400g Tub (ALE214)
			9923473	SF2		0.00 - 0.00	60g VOC (ALE215)
			9923478	SF3		0.00 - 0.00	250g Amber Jar (AL)
			9923478	SF3		0.00 - 0.00	400g Tub (ALE214)
			9923478	SF3		0.00 - 0.00	60g VOC (ALE215)
			9923483	SF4		0.00 - 0.00	250g Amber Jar (AL)
			9923483	SF4		0.00 - 0.00	400g Tub (ALE214)
			9923483	SF4		0.00 - 0.00	60g VOC (ALE215)
			9923487	SF5		0.00 - 0.00	250g Amber Jar (AL)
			9923487	SF5		0.00 - 0.00	400g Tub (ALE214)
			9923487	SF5		0.00 - 0.00	60g VOC (ALE215)
			9923494	SF6		0.00 - 0.00	250g Amber Jar (AL)
			9923494	SF6		0.00 - 0.00	400g Tub (ALE214)
			9923494	SF6		0.00 - 0.00	60g VOC (ALE215)
			9923501	SF7		0.00 - 0.00	250g Amber Jar (AL)
			9923501	SF7		0.00 - 0.00	400g Tub (ALE214)
			9923501	SF7		0.00 - 0.00	60g VOC (ALE215)
			9923506	SF8		0.00 - 0.00	250g Amber Jar (AL)
			9923506	SF8		0.00 - 0.00	400g Tub (ALE214)
			9923506	SF8		0.00 - 0.00	60g VOC (ALE215)
			9923511	SF9		0.00 - 0.00	250g Amber Jar (AL)
			9923511	SF9		0.00 - 0.00	400g Tub (ALE214)
			9923511	SF9		0.00 - 0.00	60g VOC (ALE215)
			9923422	SF10		0.00 - 0.00	250g Amber Jar (AL)
			9923422	SF10		0.00 - 0.00	400g Tub (ALE214)
			9923422	SF10		0.00 - 0.00	60g VOC (ALE215)
			9923427	SF11		0.00 - 0.00	250g Amber Jar (AL)
			9923427	SF11		0.00 - 0.00	400g Tub (ALE214)
			9923427	SF11		0.00 - 0.00	60g VOC (ALE215)
			9923431	SF12		0.00 - 0.00	250g Amber Jar (AL)
			9923431	SF12		0.00 - 0.00	400g Tub (ALE214)
			9923431	SF12		0.00 - 0.00	60g VOC (ALE215)
			9923435	SF13		0.00 - 0.00	250g Amber Jar (AL)
			9923435	SF13		0.00 - 0.00	400g Tub (ALE214)
			9923435	SF13		0.00 - 0.00	60g VOC (ALE215)
			9923441	SF14		0.00 - 0.00	250g Amber Jar (AL)
Asbestos fibres in Soil*	All	NDPs: 0 Tests: 18		X			
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 18	X		X	X	X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 18	X		X	X	X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 18		X		X	X
Metals in solid samples by OES	All	NDPs: 0 Tests: 18	X		X	X	X
PAH by GCMS	All	NDPs: 0 Tests: 18	X		X	X	X
pH	All	NDPs: 0 Tests: 18		X		X	X
Sample description	All	NDPs: 0 Tests: 18	X		X	X	X
Total Organic Carbon	All	NDPs: 0 Tests: 4	X			X	
TPH CWG GC (S)	All	NDPs: 0 Tests: 18	X		X	X	X
VOC MS (S)	All	NDPs: 0 Tests: 18		X		X	X

CERTIFICATE OF ANALYSIS

SDG:	140904-73	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0814
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	284142
Client Reference:	Commercial Area	**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
			9923441	SF14		0.00 - 0.00	400g Tub (ALE214)
							60g VOC (ALE215)
							250g Amber Jar (AL
			9923450	SF15		0.00 - 0.00	400g Tub (ALE214)
							60g VOC (ALE215)
							250g Amber Jar (AL
			9923457	SF16		0.00 - 0.00	400g Tub (ALE214)
							60g VOC (ALE215)
							250g Amber Jar (AL
			9923463	SF17		0.00 - 0.00	400g Tub (ALE214)
							60g VOC (ALE215)
							250g Amber Jar (AL
			9923468	SF18		0.00 - 0.00	400g Tub (ALE214)
							60g VOC (ALE215)
Asbestos fibres in Soil*	All	NDPs: 0 Tests: 18					X
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 18					X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 18					X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 18					X
Metals in solid samples by OES	All	NDPs: 0 Tests: 18					X
PAH by GCMS	All	NDPs: 0 Tests: 18					X
pH	All	NDPs: 0 Tests: 18					X
Sample description	All	NDPs: 0 Tests: 18					X
Total Organic Carbon	All	NDPs: 0 Tests: 4					X
TPH CWG GC (S)	All	NDPs: 0 Tests: 18					X
VOC MS (S)	All	NDPs: 0 Tests: 18					X

CERTIFICATE OF ANALYSIS

SDG:	140904-73	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0814
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	284142
Client Reference:	Commercial Area	**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
9923418	SF1	0.00 - 0.00	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	None
9923473	SF2	0.00 - 0.00	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Vegetation	Stones
9923478	SF3	0.00 - 0.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Vegetation	Brick
9923483	SF4	0.00 - 0.00	Dark Brown	Silty Clay	0.063 - 0.1 mm	Plastic	None
9923487	SF5	0.00 - 0.00	Dark Brown	Silt Loam	0.063 - 0.1 mm	Concrete/Aggregate	Stones
9923494	SF6	0.00 - 0.00	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	Vegetation
9923501	SF7	0.00 - 0.00	Dark Brown	Clay	<0.063 mm	None	None
9923506	SF8	0.00 - 0.00	Dark Brown	Silty Clay	0.063 - 0.1 mm	None	Stones
9923511	SF9	0.00 - 0.00	Dark Brown	Silty Clay	0.1 - 2 mm	Vegetation	Stones
9923422	SF10	0.00 - 0.00	Black	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9923427	SF11	0.00 - 0.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9923431	SF12	0.00 - 0.00	Black	Sandy Loam	0.1 - 2 mm	Stones	Concrete/Aggregate
9923435	SF13	0.00 - 0.00	Black	Clay Loam	0.063 - 0.1 mm	Concrete/Aggregate	Stones
9923441	SF14	0.00 - 0.00	Black	Clay Loam	0.063 - 0.1 mm	Stones	None
9923450	SF15	0.00 - 0.00	Black	Sandy Loam	0.1 - 2 mm	Stones	Crushed Brick
9923457	SF16	0.00 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	None	None
9923463	SF17	0.00 - 0.00	Black	Sandy Clay Loam	0.1 - 2 mm	Concrete/Aggregate	Stones
9923468	SF18	0.00 - 0.00	Black	Silt Loam	0.063 - 0.1 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:	140904-73	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0814
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	284142
Client Reference:	Commercial Area	**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	SF1	SF2	SF3	SF4	SF5	SF6
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/09/2014	02/09/2014	02/09/2014	02/09/2014	02/09/2014	02/09/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/09/2014	04/09/2014	04/09/2014	04/09/2014	04/09/2014	04/09/2014
			SDG Ref	140904-73	140904-73	140904-73	140904-73	140904-73	140904-73
			Lab Sample No.(s)	9923418	9923473	9923478	9923483	9923487	9923494
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		13	10	9.4	12	11	10
Actinolite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Amosite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Anthophyllite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Chrysotile*	-	SUB (ASB)		Not Detected #	Not Detected #	Detected #	Detected #	Detected #	Detected #
Crocidolite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Tremolite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Non-Asbestos Fibres Detected	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Soil Organic Matter (SOM)	<0.35 %	TM132		2.17 #					
pH	1 pH Units	TM133		7.12 M	7.47 M	8.35 M	8.35 M	8.1 M	8.33 M
Arsenic	<0.6 mg/kg	TM181		8.32 M	12.8 M	19.8 M	22.1 M	32.2 M	23.2 M
Cadmium	<0.02 mg/kg	TM181		0.378 M	0.16 M	0.672 M	0.667 M	0.597 M	0.598 M
Chromium	<0.9 mg/kg	TM181		12.4 M	12.6 M	14 M	15 M	15.1 M	22.5 M
Copper	<1.4 mg/kg	TM181		25.2 M	25.4 M	56.5 M	67.6 M	47.9 M	67.4 M
Lead	<0.7 mg/kg	TM181		35.4 M	33.8 M	123 M	104 M	116 M	131 M
Mercury	<0.14 mg/kg	TM181		0.536 M	0.26 M	0.933 M	1.32 M	0.553 M	0.595 M
Nickel	<0.2 mg/kg	TM181		16.7 M	19.7 M	19.8 M	20.2 M	17.6 M	24.1 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		13.8 #	15.6 #	19 #	20.9 #	22.7 #	24.5 #
Zinc	<1.9 mg/kg	TM181		107 M	90.2 M	266 M	297 M	216 M	357 M

CERTIFICATE OF ANALYSIS

SDG:	140904-73	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0814
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	284142
Client Reference:	Commercial Area	**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	SF7	SF8	SF9	SF10	SF11	SF12
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/09/2014	02/09/2014	02/09/2014	02/09/2014	02/09/2014	02/09/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/09/2014	04/09/2014	04/09/2014	04/09/2014	04/09/2014	04/09/2014
			SDG Ref	140904-73	140904-73	140904-73	140904-73	140904-73	140904-73
			Lab Sample No.(s)	9923501	9923506	9923511	9923422	9923427	9923431
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		13	15	15	17	14	11
Actinolite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Amosite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Anthophyllite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Chrysotile*	-	SUB (ASB)		Not Detected #	Not Detected #	Detected #	Not Detected #	Not Detected #	Not Detected #
Crocidolite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Tremolite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Non-Asbestos Fibres Detected	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Soil Organic Matter (SOM)	<0.35 %	TM132			1.86 #				
pH	1 pH Units	TM133		8.29 M	8.68 M	8.2 M	8.24 M	8.8 M	8.22 M
Arsenic	<0.6 mg/kg	TM181		16 M	9.99 M	24.1 M	22.3 M	30.1 M	27.7 M
Cadmium	<0.02 mg/kg	TM181		0.646 M	0.378 M	0.758 M	0.822 M	0.872 M	0.826 M
Chromium	<0.9 mg/kg	TM181		20.4 M	19 M	17.6 M	33.7 M	23.9 M	22.3 M
Copper	<1.4 mg/kg	TM181		36.6 M	44.3 M	62.2 M	68.7 M	88.1 M	68.1 M
Lead	<0.7 mg/kg	TM181		50.1 M	115 M	121 M	130 M	188 M	163 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	0.425 M	0.666 M	1.11 M	1.22 M	1.07 M
Nickel	<0.2 mg/kg	TM181		20.4 M	31.8 M	20 M	26.4 M	33.5 M	23.5 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		23.8 #	27.5 #	28.6 #	32.5 #	35.3 #	35.8 #
Zinc	<1.9 mg/kg	TM181		369 M	134 M	307 M	283 M	490 M	376 M

CERTIFICATE OF ANALYSIS

SDG:	140904-73	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0814
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	284142
Client Reference:	Commercial Area	**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	SF13	SF14	SF15	SF16	SF17	SF18
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/09/2014	02/09/2014	02/09/2014	02/09/2014	02/09/2014	02/09/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/09/2014	04/09/2014	04/09/2014	04/09/2014	04/09/2014	04/09/2014
			SDG Ref	140904-73	140904-73	140904-73	140904-73	140904-73	140904-73
			Lab Sample No.(s)	9923435	9923441	9923450	9923457	9923463	9923468
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		19	17	13	27	22	18
Actinolite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Amosite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Anthophyllite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Chrysotile*	-	SUB (ASB)		Detected #	Detected #	Detected #	Detected #	Not Detected #	Not Detected #
Crocidolite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Tremolite*	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Non-Asbestos Fibres Detected	-	SUB (ASB)		Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #	Not Detected #
Soil Organic Matter (SOM)	<0.35 %	TM132			10.6 #				13.8 #
pH	1 pH Units	TM133		7.78 M	7.86 M	7.85 M	7.21 M	7.56 M	7.29 M
Arsenic	<0.6 mg/kg	TM181		30.5 M	35 M	16.9 M	15.2 M	23.4 M	22.5 M
Cadmium	<0.02 mg/kg	TM181		0.795 M	0.949 M	0.545 M	0.311 M	0.796 M	0.536 M
Chromium	<0.9 mg/kg	TM181		16.1 M	77.6 M	15.2 M	25.1 M	24.1 M	18.9 M
Copper	<1.4 mg/kg	TM181		75.7 M	88.1 M	39.9 M	20.1 M	53.3 M	53.2 M
Lead	<0.7 mg/kg	TM181		96.3 M	140 M	57.8 M	41.4 M	82.4 M	72.3 M
Mercury	<0.14 mg/kg	TM181		0.588 M	1.06 M	0.374 M	0.205 M	0.213 M	0.213 M
Nickel	<0.2 mg/kg	TM181		16.7 M	24.5 M	12.9 M	25.7 M	28.5 M	21.7 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		23.6 #	118 #	16.1 #	29 #	24.5 #	23 #
Zinc	<1.9 mg/kg	TM181		241 M	407 M	184 M	93.4 M	153 M	185 M

CERTIFICATE OF ANALYSIS

SDG:	140904-73	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0814
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	284142
Client Reference:	Commercial Area	**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	SF1	SF2	SF3	SF4	SF5	SF6
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/09/2014	02/09/2014	02/09/2014	02/09/2014	02/09/2014	02/09/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/09/2014	04/09/2014	04/09/2014	04/09/2014	04/09/2014	04/09/2014
			SDG Ref	140904-73	140904-73	140904-73	140904-73	140904-73	140904-73
			Lab Sample No.(s)	9923418	9923473	9923478	9923483	9923487	9923494
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		101	104	105	101	96.2	98.2
Acenaphthene-d10 % recovery**	%	TM218		100	104	104	101	96.1	98.9
Phenanthrene-d10 % recovery**	%	TM218		97.2	104	102	98.1	94.1	96
Chrysene-d12 % recovery**	%	TM218		100	111	103	97.6	95.4	95.9
Perylene-d12 % recovery**	%	TM218		105	118	110	105	101	102
Naphthalene	<9 µg/kg	TM218		513 M	195 M	183 M	142 M	169 M	130 M
Acenaphthylene	<12 µg/kg	TM218		24.6 M	57.3 M	40.4 M	28 M	26.8 M	41 M
Acenaphthene	<8 µg/kg	TM218		63.5 M	53 M	76.3 M	39.7 M	55.2 M	58.5 M
Fluorene	<10 µg/kg	TM218		339 M	82.7 M	91.3 M	51.6 M	65.6 M	82.6 M
Phenanthrene	<15 µg/kg	TM218		447 M	285 M	294 M	329 M	414 M	490 M
Anthracene	<16 µg/kg	TM218		82.5 M	104 M	134 M	76.9 M	127 M	185 M
Fluoranthene	<17 µg/kg	TM218		165 M	546 M	659 M	401 M	949 M	1460 M
Pyrene	<15 µg/kg	TM218		220 M	633 M	853 M	556 M	1040 M	1320 M
Benz(a)anthracene	<14 µg/kg	TM218		127 M	419 M	502 M	309 M	780 M	1240 M
Chrysene	<10 µg/kg	TM218		176 M	594 M	615 M	447 M	891 M	1250 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		202 M	774 M	797 M	643 M	1250 M	1940 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		59 M	258 M	350 M	223 M	428 M	734 M
Benzo(a)pyrene	<15 µg/kg	TM218		118 M	560 M	629 M	435 M	821 M	1500 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		67.3 M	355 M	387 M	261 M	511 M	895 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		35.4 M	153 M	163 M	116 M	218 M	362 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		79.3 M	422 M	486 M	335 M	591 M	1070 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		2720	5490	6260	4390	8340	12800

CERTIFICATE OF ANALYSIS

SDG:	140904-73	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0814
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	284142
Client Reference:	Commercial Area	**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	SF7	SF8	SF9	SF10	SF11	SF12
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/09/2014	02/09/2014	02/09/2014	02/09/2014	02/09/2014	02/09/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/09/2014	04/09/2014	04/09/2014	04/09/2014	04/09/2014	04/09/2014
			SDG Ref	140904-73	140904-73	140904-73	140904-73	140904-73	140904-73
			Lab Sample No.(s)	9923501	9923506	9923511	9923422	9923427	9923431
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		105	109	101	102	98.8	101
Acenaphthene-d10 % recovery**	%	TM218		105	105	100	102	97.8	99.6
Phenanthrene-d10 % recovery**	%	TM218		103	101	96.3	101	97.7	99
Chrysene-d12 % recovery**	%	TM218		99.5	99.4	94.9	98.8	95.8	96.4
Perylene-d12 % recovery**	%	TM218		104	106	100	107	104	104
Naphthalene	<9 µg/kg	TM218		10.6 M	1620 M	211 M	271 M	179 M	145 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	49.6 M	25.8 M	38.6 M	39.2 M	22.7 M
Acenaphthene	<8 µg/kg	TM218		<8 M	180 M	99.5 M	125 M	58.5 M	42.7 M
Fluorene	<10 µg/kg	TM218		<10 M	244 M	133 M	141 M	88.3 M	63.6 M
Phenanthrene	<15 µg/kg	TM218		25.9 M	294 M	783 M	524 M	518 M	392 M
Anthracene	<16 µg/kg	TM218		<16 M	67.6 M	241 M	205 M	200 M	155 M
Fluoranthene	<17 µg/kg	TM218		36.4 M	377 M	1560 M	695 M	1870 M	1240 M
Pyrene	<15 µg/kg	TM218		39.7 M	350 M	1330 M	797 M	1640 M	1090 M
Benz(a)anthracene	<14 µg/kg	TM218		22.6 M	277 M	1130 M	527 M	1530 M	1060 M
Chrysene	<10 µg/kg	TM218		<10 M	386 M	1250 M	503 M	1210 M	910 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		<15 M	528 M	1460 M	861 M	2210 M	1710 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	187 M	639 M	265 M	693 M	529 M
Benzo(a)pyrene	<15 µg/kg	TM218		25.7 M	333 M	1190 M	561 M	1540 M	1050 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	222 M	650 M	352 M	895 M	650 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	99.1 M	275 M	134 M	359 M	261 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	270 M	768 M	422 M	970 M	721 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		161	5490	11700	6420	14000	10000

CERTIFICATE OF ANALYSIS

SDG:	140904-73	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0814
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	284142
Client Reference:	Commercial Area	**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	SF13	SF14	SF15	SF16	SF17	SF18
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/09/2014	02/09/2014	02/09/2014	02/09/2014	02/09/2014	02/09/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/09/2014	04/09/2014	04/09/2014	04/09/2014	04/09/2014	04/09/2014
			SDG Ref	140904-73	140904-73	140904-73	140904-73	140904-73	140904-73
			Lab Sample No.(s)	9923435	9923441	9923450	9923457	9923463	9923468
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		99.3	103	99	105	104	102
Acenaphthene-d10 % recovery**	%	TM218		97.7	101	98.2	105	101	101
Phenanthrene-d10 % recovery**	%	TM218		95.8	98.9	97	103	99	99.2
Chrysene-d12 % recovery**	%	TM218		91.4	95.9	95.2	99.9	93.9	97.3
Perylene-d12 % recovery**	%	TM218		98.1	104	104	109	101	106
Naphthalene	<9 µg/kg	TM218		210 M	589 M	191 M	167 M	160 M	168 M
Acenaphthylene	<12 µg/kg	TM218		26.9 M	40.7 M	41.3 M	<12 M	<12 M	48.5 M
Acenaphthene	<8 µg/kg	TM218		62.4 M	80.5 M	36.8 M	112 M	48.9 M	87.9 M
Fluorene	<10 µg/kg	TM218		96.5 M	132 M	62.8 M	99.9 M	76.7 M	68.4 M
Phenanthrene	<15 µg/kg	TM218		439 M	433 M	318 M	354 M	182 M	423 M
Anthracene	<16 µg/kg	TM218		191 M	158 M	121 M	115 M	39 M	207 M
Fluoranthene	<17 µg/kg	TM218		1090 M	795 M	860 M	538 M	173 M	1580 M
Pyrene	<15 µg/kg	TM218		1030 M	812 M	864 M	485 M	238 M	1580 M
Benz(a)anthracene	<14 µg/kg	TM218		916 M	663 M	792 M	390 M	133 M	1400 M
Chrysene	<10 µg/kg	TM218		799 M	600 M	700 M	304 M	104 M	1180 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		1640 M	1160 M	1470 M	556 M	163 M	2520 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		468 M	326 M	380 M	159 M	56.8 M	684 M
Benzo(a)pyrene	<15 µg/kg	TM218		995 M	724 M	911 M	321 M	88 M	1660 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		647 M	472 M	593 M	201 M	68.3 M	1060 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		248 M	186 M	231 M	84.3 M	<23 M	402 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		720 M	536 M	668 M	229 M	77.2 M	1160 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		9570	7700	8240	4120	1610	14200

CERTIFICATE OF ANALYSIS

SDG:	140904-73	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0814
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	284142
Client Reference:	Commercial Area	**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	SF1	SF2	SF3	SF4	SF5	SF6
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/09/2014	02/09/2014	02/09/2014	02/09/2014	02/09/2014	02/09/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/09/2014	04/09/2014	04/09/2014	04/09/2014	04/09/2014	04/09/2014
			SDG Ref	140904-73	140904-73	140904-73	140904-73	140904-73	140904-73
			Lab Sample No.(s)	9923418	9923473	9923478	9923483	9923487	9923494
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		122	81	85	87	90	86
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		203000 M	37300 M	21500 M	22400 M	10800 M	1230 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	33.6 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		<36	<36	<36	<36	<36	<36
sum of detected BTEX by GC	<24 µg/kg	TM089		<96	<96	<96	<96	<96	<96
Aliphatics >C5-C6	<10 µg/kg	TM089		122	<40	<40	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		14300	349	275	1520	130	44.8
Aliphatics >C8-C10	<10 µg/kg	TM089		50700	8530	3710	4810	1960	187
Aliphatics >C10-C12	<10 µg/kg	TM089		62600	13600	8990	7710	4440	508
Aliphatics >C12-C16	<100 µg/kg	TM173		270000	140000	197000	188000	109000	35200
Aliphatics >C16-C21	<100 µg/kg	TM173		59000	68500	280000	179000	139000	46200
Aliphatics >C21-C35	<100 µg/kg	TM173		71900	85800	511000	330000	281000	184000
Aliphatics >C35-C44	<100 µg/kg	TM173		19800	18100	102000	76300	63500	38800
Total Aliphatics >C12-C44	<100 µg/kg	TM173		421000	312000	1090000	774000	592000	304000
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		33800	5720	2470	3200	1310	138
Aromatics >EC10-EC12	<10 µg/kg	TM089		41800	9060	5990	5140	2960	339
Aromatics >EC12-EC16	<100 µg/kg	TM173		40000	23100	38900	8820	8130	10100
Aromatics >EC16-EC21	<100 µg/kg	TM173		42700	30800	149000	36700	41800	50600
Aromatics >EC21-EC35	<100 µg/kg	TM173		70300	82200	318000	132000	147000	316000
Aromatics >EC35-EC44	<100 µg/kg	TM173		24400	37700	110000	51600	49300	112000
Aromatics >EC40-EC44	<100 µg/kg	TM173		8320	12900	42500	19200	17800	36800
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		177000	174000	616000	229000	246000	489000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		801000	523000	1730000	1030000	849000	794000
Aromatics >EC16-EC35	<100 µg/kg	TM173		113000	113000	467000	169000	188000	367000

CERTIFICATE OF ANALYSIS

SDG:	140904-73	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0814
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	284142
Client Reference:	Commercial Area	**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	SF7	SF8	SF9	SF10	SF11	SF12
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/09/2014	02/09/2014	02/09/2014	02/09/2014	02/09/2014	02/09/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/09/2014	04/09/2014	04/09/2014	04/09/2014	04/09/2014	04/09/2014
			SDG Ref	140904-73	140904-73	140904-73	140904-73	140904-73	140904-73
			Lab Sample No.(s)	9923501	9923506	9923511	9923422	9923427	9923431
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		96	62	73	82	80	80
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		1590 M	112000 M	13200 M	10500 M	15300 M	12100 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 M	<20 M	<20 M	<20 M	<20 M	<20 M
Benzene	<10 µg/kg	TM089		<40 M	<40 M	<40 M	<40 M	<40 M	<40 M
Toluene	<2 µg/kg	TM089		<8 M	<8 M	<8 M	<8 M	<8 M	9.04 M
Ethylbenzene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	48 M	<12 M	27.1 M
m,p-Xylene	<6 µg/kg	TM089		<24 M	<24 M	<24 M	44.4 M	<24 M	32.8 M
o-Xylene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	57.6 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<36	<36	<36	102	<36	<36
sum of detected BTEX by GC	<24 µg/kg	TM089		<96	<96	<96	150	<96	<96
Aliphatics >C5-C6	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		52.9	255	68.4	323	350	105
Aliphatics >C8-C10	<10 µg/kg	TM089		231	11300	961	1930	3210	1820
Aliphatics >C10-C12	<10 µg/kg	TM089		685	55800	6930	4060	5730	5310
Aliphatics >C12-C16	<100 µg/kg	TM173		49800	1280000	165000	246000	87600	331000
Aliphatics >C16-C21	<100 µg/kg	TM173		34100	87700	105000	307000	85100	236000
Aliphatics >C21-C35	<100 µg/kg	TM173		88000	41100	254000	512000	175000	242000
Aliphatics >C35-C44	<100 µg/kg	TM173		28200	6880	62800	107000	42100	69000
Total Aliphatics >C12-C44	<100 µg/kg	TM173		200000	1420000	587000	1170000	390000	877000
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		154	7550	640	1430	2140	1280
Aromatics >EC10-EC12	<10 µg/kg	TM089		457	37200	4620	2710	3820	3540
Aromatics >EC12-EC16	<100 µg/kg	TM173		3230	57300	3610	53400	11000	22300
Aromatics >EC16-EC21	<100 µg/kg	TM173		5670	18500	15000	149000	30600	60100
Aromatics >EC21-EC35	<100 µg/kg	TM173		48000	66100	111000	394000	138000	219000
Aromatics >EC35-EC44	<100 µg/kg	TM173		17900	27100	48200	172000	50300	90500
Aromatics >EC40-EC44	<100 µg/kg	TM173		6230	8910	17600	66400	18300	34800
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		74800	169000	178000	768000	230000	392000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		277000	1700000	778000	1950000	635000	1280000
Aromatics >EC16-EC35	<100 µg/kg	TM173		53600	84600	126000	543000	168000	279000

CERTIFICATE OF ANALYSIS

SDG:	140904-73	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0814
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	284142
Client Reference:	Commercial Area	**Attention:**	Jack Lowrie	**Superseded Report:**	

TPH CWG (S)

Results Legend		Customer Sample R	SF13	SF14	SF15	SF16	SF17	SF18
#	ISO17025 accredited.							
M	*m*CERTS accredited.							
aq	Aqueous / settled sample.							
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery							
(F)	Trigger breach confirmed							
1-5&+§@	Sample deviation (see appendix)							
		Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
		Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
		Date Sampled	02/09/2014	02/09/2014	02/09/2014	02/09/2014	02/09/2014	02/09/2014
		Sample Time	.	.	.	.	.	.
		Date Received	04/09/2014	04/09/2014	04/09/2014	04/09/2014	04/09/2014	04/09/2014
		SDG Ref	140904-73	140904-73	140904-73	140904-73	140904-73	140904-73
		Lab Sample No.(s)	9923435	9923441	9923450	9923457	9923463	9923468
		AGS Reference						

Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	63	62	64	70	72	59
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	14600 M	2460 M	14300 M	55600 M	53800 M	25500 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	<36	<36	<36	<9	<9	<36
sum of detected BTEX by GC	<24 µg/kg	TM089	<96	<96	<96	<24	<24	<96
Aliphatics >C5-C6	<10 µg/kg	TM089	<40	<40	<40	<40	66.6	<40
Aliphatics >C6-C8	<10 µg/kg	TM089	186	66	114	813	3940	218
Aliphatics >C8-C10	<10 µg/kg	TM089	2440	343	2100	11900	13300	4590
Aliphatics >C10-C12	<10 µg/kg	TM089	6210	1060	6370	21000	16600	10600
Aliphatics >C12-C16	<100 µg/kg	TM173	488000	206000	166000	200000	474000	441000
Aliphatics >C16-C21	<100 µg/kg	TM173	185000	91600	90700	12800	66200	49100
Aliphatics >C21-C35	<100 µg/kg	TM173	300000	389000	378000	30300	138000	151000
Aliphatics >C35-C44	<100 µg/kg	TM173	77200	107000	69900	3130	12000	18700
Total Aliphatics >C12-C44	<100 µg/kg	TM173	1050000	793000	704000	246000	690000	660000
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	1620	250	1410	7920	8870	3060
Aromatics >EC10-EC12	<10 µg/kg	TM089	4140	708	4240	14000	11000	7040
Aromatics >EC12-EC16	<100 µg/kg	TM173	72000	26200	18100	34200	41600	42600
Aromatics >EC16-EC21	<100 µg/kg	TM173	84100	37900	37800	6810	53400	43200
Aromatics >EC21-EC35	<100 µg/kg	TM173	286000	245000	257000	45400	222000	258000
Aromatics >EC35-EC44	<100 µg/kg	TM173	106000	106000	87600	12400	66500	126000
Aromatics >EC40-EC44	<100 µg/kg	TM173	35600	40400	32100	4220	22400	46900
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	548000	415000	401000	98900	383000	470000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	1610000	1210000	1120000	401000	1130000	1150000
Aromatics >EC16-EC35	<100 µg/kg	TM173	370000	283000	295000	52200	275000	301000

CERTIFICATE OF ANALYSIS

SDG:	140904-73	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0814
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	284142
Client Reference:	Commercial Area	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	SF1	SF2	SF3	SF4	SF5	SF6
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/09/2014	02/09/2014	02/09/2014	02/09/2014	02/09/2014	02/09/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/09/2014	04/09/2014	04/09/2014	04/09/2014	04/09/2014	04/09/2014
			SDG Ref	140904-73	140904-73	140904-73	140904-73	140904-73	140904-73
			Lab Sample No.(s)	9923418	9923473	9923478	9923483	9923487	9923494
			AGS Reference						
Dibromofluoromethane**	%	TM116		114	112	113	112	115	111
Toluene-d8**	%	TM116		99	96.5	96.7	96.9	95.9	97.9
4-Bromofluorobenzene**	%	TM116		99.4	91.9	89.5	89.5	87.1	93.4
Dichlorodifluoromethane	<6 µg/kg	TM116		<60 M	<60 M	<60 M	<60 M	<60 M	<60 M
Chloromethane	<7 µg/kg	TM116		<70 #	<70 #	<70 #	<70 #	<70 #	<70 #
Vinyl Chloride	<6 µg/kg	TM116		<60 M	<60 M	<60 M	<60 M	<60 M	<60 M
Bromomethane	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Chloroethane	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Trichlorofluorormethane	<6 µg/kg	TM116		<60 M	<60 M	<60 M	<60 M	<60 M	<60 M
1,1-Dichloroethene	<10 µg/kg	TM116		<100 #	<100 #	<100 #	<100 #	<100 #	<100 #
Carbon Disulphide	<7 µg/kg	TM116		<70 M	<70 M	<70 M	<70 M	<70 M	<70 M
Dichloromethane	<10 µg/kg	TM116		<100 #	<100 #	<100 #	<100 #	<100 #	<100 #
Methyl Tertiary Butyl Ether	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
trans-1,2-Dichloroethene	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,1-Dichloroethane	<8 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
cis-1,2-Dichloroethene	<6 µg/kg	TM116		<60 M	<60 M	<60 M	<60 M	<60 M	<60 M
2,2-Dichloropropane	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Bromochloromethane	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Chloroform	<8 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<70 M	<70 M	<70 M	<70 M	<70 M	<70 M
1,1-Dichloropropene	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Carbontetrachloride	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,2-Dichloroethane	<5 µg/kg	TM116		<50 M	<50 M	<50 M	<50 M	<50 M	<50 M
Benzene	<9 µg/kg	TM116		<90 M	<90 M	<90 M	<90 M	<90 M	<90 M
Trichloroethene	<9 µg/kg	TM116		<90 #	<90 #	<90 #	<90 #	<90 #	<90 #
1,2-Dichloropropane	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Dibromomethane	<9 µg/kg	TM116		<90 M	<90 M	<90 M	<90 M	<90 M	<90 M
Bromodichloromethane	<7 µg/kg	TM116		<70 M	<70 M	<70 M	<70 M	<70 M	<70 M
cis-1,3-Dichloropropene	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Toluene	<7 µg/kg	TM116		<70 M	<70 M	<70 M	<70 M	<70 M	<70 M
trans-1,3-Dichloropropene	<10 µg/kg	TM116		<100	<100	<100	<100	<100	<100
1,1,2-Trichloroethane	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M

CERTIFICATE OF ANALYSIS

SDG:	140904-73	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0814
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	284142
Client Reference:	Commercial Area	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	SF1	SF2	SF3	SF4	SF5	SF6
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/09/2014	02/09/2014	02/09/2014	02/09/2014	02/09/2014	02/09/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/09/2014	04/09/2014	04/09/2014	04/09/2014	04/09/2014	04/09/2014
			SDG Ref	140904-73	140904-73	140904-73	140904-73	140904-73	140904-73
			Lab Sample No.(s)	9923418	9923473	9923478	9923483	9923487	9923494
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<70 M	<70 M	<70 M	<70 M	<70 M	<70 M
Tetrachloroethene	<5 µg/kg	TM116		<50 M	<50 M	<50 M	<50 M	<50 M	<50 M
Dibromochloromethane	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,2-Dibromoethane	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Chlorobenzene	<5 µg/kg	TM116		<50 M	<50 M	<50 M	<50 M	<50 M	<50 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Ethylbenzene	<4 µg/kg	TM116		<40 M	<40 M	<40 M	<40 M	<40 M	<40 M
p/m-Xylene	<10 µg/kg	TM116		<100 #	<100 #	<100 #	<100 #	<100 #	<100 #
o-Xylene	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Styrene	<10 µg/kg	TM116		<100 #	<100 #	<100 #	<100 #	<100 #	<100 #
Bromoform	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Isopropylbenzene	<5 µg/kg	TM116		<50 #	<50 #	<50 #	<50 #	<50 #	<50 #
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,2,3-Trichloropropane	<16 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M	<160 M
Bromobenzene	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Propylbenzene	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
2-Chlorotoluene	<9 µg/kg	TM116		<90 M	<90 M	<90 M	<90 M	<90 M	<90 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
4-Chlorotoluene	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
tert-Butylbenzene	<14 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<90 #	<90 #	<90 #	<90 #	<90 #	<90 #
sec-Butylbenzene	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
4-Isopropyltoluene	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,3-Dichlorobenzene	<8 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<50 M	<50 M	<50 M	<50 M	<50 M	<50 M
n-Butylbenzene	<11 µg/kg	TM116		<110	<110	<110	<110	<110	<110
1,2-Dichlorobenzene	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
Tert-amyl methyl ether	<10 µg/kg	TM116		<100 #	<100 #	<100 #	<100 #	<100 #	<100 #
1,2,4-Trichlorobenzene	<20 µg/kg	TM116		<200	<200	<200	<200	<200	<200
Hexachlorobutadiene	<20 µg/kg	TM116		<200	<200	<200	<200	<200	<200
Naphthalene	<13 µg/kg	TM116		<130 M	<130 M	<130 M	<130 M	<130 M	<130 M

CERTIFICATE OF ANALYSIS

SDG:	140904-73	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0814
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	284142
Client Reference:	Commercial Area	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	SF1	SF2	SF3	SF4	SF5	SF6
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/09/2014	02/09/2014	02/09/2014	02/09/2014	02/09/2014	02/09/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/09/2014	04/09/2014	04/09/2014	04/09/2014	04/09/2014	04/09/2014
			SDG Ref	140904-73	140904-73	140904-73	140904-73	140904-73	140904-73
			Lab Sample No.(s)	9923418	9923473	9923478	9923483	9923487	9923494
			AGS Reference						
1,2,3-Trichlorobenzene	<20 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #

CERTIFICATE OF ANALYSIS

SDG:	140904-73	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0814
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	284142
Client Reference:	Commercial Area	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	SF7	SF8	SF9	SF10	SF11	SF12
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/09/2014	02/09/2014	02/09/2014	02/09/2014	02/09/2014	02/09/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/09/2014	04/09/2014	04/09/2014	04/09/2014	04/09/2014	04/09/2014
			SDG Ref	140904-73	140904-73	140904-73	140904-73	140904-73	140904-73
			Lab Sample No.(s)	9923501	9923506	9923511	9923422	9923427	9923431
			AGS Reference						
Dibromofluoromethane**	%	TM116		110	113	113	112	111	111
Toluene-d8**	%	TM116		96.6	97.4	95.9	97.2	97.1	96.1
4-Bromofluorobenzene**	%	TM116		88.5	94.3	87.1	90.3	89.9	85.9
Dichlorodifluoromethane	<6 µg/kg	TM116		<60 M	<60 M	<60 M	<60 M	<60 M	<60 M
Chloromethane	<7 µg/kg	TM116		<70 #	<70 #	<70 #	<70 #	<70 #	<70 #
Vinyl Chloride	<6 µg/kg	TM116		<60 M	<60 M	<60 M	<60 M	<60 M	<60 M
Bromomethane	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Chloroethane	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Trichlorofluorormethane	<6 µg/kg	TM116		<60 M	<60 M	<60 M	<60 M	<60 M	<60 M
1,1-Dichloroethene	<10 µg/kg	TM116		<100 #	<100 #	<100 #	<100 #	<100 #	<100 #
Carbon Disulphide	<7 µg/kg	TM116		<70 M	<70 M	<70 M	<70 M	<70 M	<70 M
Dichloromethane	<10 µg/kg	TM116		<100 #	<100 #	<100 #	<100 #	<100 #	<100 #
Methyl Tertiary Butyl Ether	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
trans-1,2-Dichloroethene	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,1-Dichloroethane	<8 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
cis-1,2-Dichloroethene	<6 µg/kg	TM116		<60 M	<60 M	<60 M	<60 M	<60 M	<60 M
2,2-Dichloropropane	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Bromochloromethane	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Chloroform	<8 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<70 M	<70 M	<70 M	<70 M	<70 M	<70 M
1,1-Dichloropropene	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Carbontetrachloride	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,2-Dichloroethane	<5 µg/kg	TM116		<50 M	<50 M	<50 M	<50 M	<50 M	<50 M
Benzene	<9 µg/kg	TM116		<90 M	<90 M	<90 M	<90 M	<90 M	<90 M
Trichloroethene	<9 µg/kg	TM116		<90 #	<90 #	<90 #	<90 #	<90 #	<90 #
1,2-Dichloropropane	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Dibromomethane	<9 µg/kg	TM116		<90 M	<90 M	<90 M	<90 M	<90 M	<90 M
Bromodichloromethane	<7 µg/kg	TM116		<70 M	<70 M	<70 M	<70 M	<70 M	<70 M
cis-1,3-Dichloropropene	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Toluene	<7 µg/kg	TM116		<70 M	<70 M	<70 M	<70 M	<70 M	<70 M
trans-1,3-Dichloropropene	<10 µg/kg	TM116		<100	<100	<100	<100	<100	<100
1,1,2-Trichloroethane	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M

CERTIFICATE OF ANALYSIS

SDG:	140904-73	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0814
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	284142
Client Reference:	Commercial Area	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	SF7	SF8	SF9	SF10	SF11	SF12
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/09/2014	02/09/2014	02/09/2014	02/09/2014	02/09/2014	02/09/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/09/2014	04/09/2014	04/09/2014	04/09/2014	04/09/2014	04/09/2014
			SDG Ref	140904-73	140904-73	140904-73	140904-73	140904-73	140904-73
			Lab Sample No.(s)	9923501	9923506	9923511	9923422	9923427	9923431
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<70 M	<70 M	<70 M	<70 M	<70 M	<70 M
Tetrachloroethene	<5 µg/kg	TM116		<50 M	<50 M	<50 M	<50 M	<50 M	<50 M
Dibromochloromethane	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,2-Dibromoethane	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Chlorobenzene	<5 µg/kg	TM116		<50 M	<50 M	<50 M	<50 M	<50 M	<50 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Ethylbenzene	<4 µg/kg	TM116		<40 M	<40 M	<40 M	<40 M	<40 M	<40 M
p/m-Xylene	<10 µg/kg	TM116		<100 #	<100 #	<100 #	<100 #	<100 #	<100 #
o-Xylene	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Styrene	<10 µg/kg	TM116		<100 #	<100 #	<100 #	<100 #	<100 #	<100 #
Bromoform	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Isopropylbenzene	<5 µg/kg	TM116		<50 #	<50 #	<50 #	<50 #	<50 #	<50 #
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,2,3-Trichloropropane	<16 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M	<160 M
Bromobenzene	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Propylbenzene	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
2-Chlorotoluene	<9 µg/kg	TM116		<90 M	<90 M	<90 M	<90 M	<90 M	<90 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<80 M	128 M	<80 M	<80 M	<80 M	<80 M
4-Chlorotoluene	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
tert-Butylbenzene	<14 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<90 #	<90 #	<90 #	<90 #	<90 #	<90 #
sec-Butylbenzene	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
4-Isopropyltoluene	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,3-Dichlorobenzene	<8 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<50 M	<50 M	<50 M	<50 M	<50 M	<50 M
n-Butylbenzene	<11 µg/kg	TM116		<110	<110	<110	<110	<110	<110
1,2-Dichlorobenzene	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
Tert-amyl methyl ether	<10 µg/kg	TM116		<100 #	<100 #	<100 #	<100 #	<100 #	<100 #
1,2,4-Trichlorobenzene	<20 µg/kg	TM116		<200	<200	<200	<200	<200	<200
Hexachlorobutadiene	<20 µg/kg	TM116		<200	<200	<200	<200	<200	<200
Naphthalene	<13 µg/kg	TM116		<130 M	<130 M	<130 M	<130 M	<130 M	<130 M

CERTIFICATE OF ANALYSIS

SDG:	140904-73	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0814
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	284142
Client Reference:	Commercial Area	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	SF7	SF8	SF9	SF10	SF11	SF12
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/09/2014	02/09/2014	02/09/2014	02/09/2014	02/09/2014	02/09/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/09/2014	04/09/2014	04/09/2014	04/09/2014	04/09/2014	04/09/2014
			SDG Ref	140904-73	140904-73	140904-73	140904-73	140904-73	140904-73
			Lab Sample No.(s)	9923501	9923506	9923511	9923422	9923427	9923431
			AGS Reference						
1,2,3-Trichlorobenzene	<20 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #

CERTIFICATE OF ANALYSIS

SDG:	140904-73	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0814
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	284142
Client Reference:	Commercial Area	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	SF13	SF14	SF15	SF16	SF17	SF18
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/09/2014	02/09/2014	02/09/2014	02/09/2014	02/09/2014	02/09/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/09/2014	04/09/2014	04/09/2014	04/09/2014	04/09/2014	04/09/2014
			SDG Ref	140904-73	140904-73	140904-73	140904-73	140904-73	140904-73
			Lab Sample No.(s)	9923435	9923441	9923450	9923457	9923463	9923468
			AGS Reference						
Dibromofluoromethane**	%	TM116		113	115	116	120	111	122
Toluene-d8**	%	TM116		96	92.2	91.8	88.3	94.1	89.9
4-Bromofluorobenzene**	%	TM116		86.2	78.4	77.8	78.5	81.9	77.7
Dichlorodifluoromethane	<6 µg/kg	TM116		<60 M	<60 M	<60 M	<60 M	<60 M	<60 M
Chloromethane	<7 µg/kg	TM116		<70 #	<70 #	<70 #	<70 #	<70 #	<70 #
Vinyl Chloride	<6 µg/kg	TM116		<60 M	<60 M	<60 M	<60 M	<60 M	<60 M
Bromomethane	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Chloroethane	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Trichlorofluorormethane	<6 µg/kg	TM116		<60 M	<60 M	<60 M	<60 M	<60 M	<60 M
1,1-Dichloroethene	<10 µg/kg	TM116		<100 #	<100 #	<100 #	<100 #	<100 #	<100 #
Carbon Disulphide	<7 µg/kg	TM116		<70 M	<70 M	<70 M	<70 M	<70 M	<70 M
Dichloromethane	<10 µg/kg	TM116		<100 #	<100 #	<100 #	<100 #	<100 #	<100 #
Methyl Tertiary Butyl Ether	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
trans-1,2-Dichloroethene	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,1-Dichloroethane	<8 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
cis-1,2-Dichloroethene	<6 µg/kg	TM116		<60 M	<60 M	<60 M	<60 M	<60 M	<60 M
2,2-Dichloropropane	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Bromochloromethane	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Chloroform	<8 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<70 M	<70 M	<70 M	<70 M	<70 M	<70 M
1,1-Dichloropropene	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Carbontetrachloride	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,2-Dichloroethane	<5 µg/kg	TM116		<50 M	<50 M	<50 M	<50 M	<50 M	<50 M
Benzene	<9 µg/kg	TM116		<90 M	<90 M	<90 M	<90 M	<90 M	<90 M
Trichloroethene	<9 µg/kg	TM116		<90 #	<90 #	<90 #	<90 #	<90 #	<90 #
1,2-Dichloropropane	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Dibromomethane	<9 µg/kg	TM116		<90 M	<90 M	<90 M	<90 M	<90 M	<90 M
Bromodichloromethane	<7 µg/kg	TM116		<70 M	<70 M	<70 M	<70 M	<70 M	<70 M
cis-1,3-Dichloropropene	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Toluene	<7 µg/kg	TM116		<70 M	<70 M	<70 M	<70 M	<70 M	<70 M
trans-1,3-Dichloropropene	<10 µg/kg	TM116		<100	<100	<100	<100	<100	<100
1,1,2-Trichloroethane	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M

CERTIFICATE OF ANALYSIS

SDG:	140904-73	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0814
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	284142
Client Reference:	Commercial Area	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	SF13	SF14	SF15	SF16	SF17	SF18
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/09/2014	02/09/2014	02/09/2014	02/09/2014	02/09/2014	02/09/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/09/2014	04/09/2014	04/09/2014	04/09/2014	04/09/2014	04/09/2014
			SDG Ref	140904-73	140904-73	140904-73	140904-73	140904-73	140904-73
			Lab Sample No.(s)	9923435	9923441	9923450	9923457	9923463	9923468
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<70 M	<70 M	<70 M	<70 M	<70 M	<70 M
Tetrachloroethene	<5 µg/kg	TM116		<50 M	<50 M	<50 M	<50 M	<50 M	<50 M
Dibromochloromethane	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,2-Dibromoethane	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Chlorobenzene	<5 µg/kg	TM116		<50 M	<50 M	<50 M	<50 M	<50 M	<50 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Ethylbenzene	<4 µg/kg	TM116		<40 M	<40 M	<40 M	<40 M	<40 M	<40 M
p/m-Xylene	<10 µg/kg	TM116		<100 #	<100 #	<100 #	<100 #	<100 #	<100 #
o-Xylene	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Styrene	<10 µg/kg	TM116		<100 #	<100 #	<100 #	<100 #	<100 #	<100 #
Bromoform	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Isopropylbenzene	<5 µg/kg	TM116		<50 #	<50 #	<50 #	<50 #	<50 #	<50 #
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,2,3-Trichloropropane	<16 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M	<160 M
Bromobenzene	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Propylbenzene	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
2-Chlorotoluene	<9 µg/kg	TM116		<90 M	<90 M	<90 M	<90 M	<90 M	<90 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
4-Chlorotoluene	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
tert-Butylbenzene	<14 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<90 #	<90 #	<90 #	<90 #	<90 #	<90 #
sec-Butylbenzene	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
4-Isopropyltoluene	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,3-Dichlorobenzene	<8 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<50 M	<50 M	<50 M	<50 M	<50 M	<50 M
n-Butylbenzene	<11 µg/kg	TM116		<110	<110	<110	<110	<110	<110
1,2-Dichlorobenzene	<10 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
Tert-amyl methyl ether	<10 µg/kg	TM116		<100 #	<100 #	<100 #	<100 #	<100 #	<100 #
1,2,4-Trichlorobenzene	<20 µg/kg	TM116		<200	<200	<200	<200	<200	<200
Hexachlorobutadiene	<20 µg/kg	TM116		<200	<200	<200	<200	<200	<200
Naphthalene	<13 µg/kg	TM116		<130 M	<130 M	<130 M	<130 M	<130 M	<130 M

CERTIFICATE OF ANALYSIS

SDG:	140904-73	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0814
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	284142
Client Reference:	Commercial Area	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend		Customer Sample R	SF13	SF14	SF15	SF16	SF17	SF18
#	ISO17025 accredited.							
M	*m*CERTS accredited.							
aq	Aqueous / settled sample.							
diss.filt	Dissolved / filtered sample.	Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
tot.unfilt	Total / unfiltered sample.	Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
*	Subcontracted test.	Date Sampled	02/09/2014	02/09/2014	02/09/2014	02/09/2014	02/09/2014	02/09/2014
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery	Sample Time	.	.	.	.	.	.
		Date Received	04/09/2014	04/09/2014	04/09/2014	04/09/2014	04/09/2014	04/09/2014
		SDG Ref	140904-73	140904-73	140904-73	140904-73	140904-73	140904-73
(F)	Trigger breach confirmed	Lab Sample No.(s)	9923435	9923441	9923450	9923457	9923463	9923468
1-5&+§@	Sample deviation (see appendix)	AGS Reference						

Component	LOD/Units	Method						
1,2,3-Trichlorobenzene	<20 µg/kg	TM116	<200 #	<200 #	<200 #	<200 #	<200 #	<200 #

CERTIFICATE OF ANALYSIS

SDG:	140904-73	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0814
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	284142
Client Reference:	Commercial Area	**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)				
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)		
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS		
TM132	In - house Method	ELTRA CS800 Operators Guide		
TM133	BS 1377: Part 3 1990;BS 6068-2.5	Determination of pH in Soil and Water using the GLpH pH Meter		
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:	140904-73	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0814
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	284142
Client Reference:	Commercial Area	**Attention:**	Jack Lowrie	**Superseded Report:**	

Test Completion Dates

Lab Sample No(s)	9923418	9923473	9923478	9923483	9923487	9923494	9923501	9923506	9923511	9923422
Customer Sample Ref.	SF1	SF2	SF3	SF4	SF5	SF6	SF7	SF8	SF9	SF10
AGS Ref.										
Depth	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos fibres in Soil*	11-Sep-2014	11-Sep-2014	11-Sep-2014	11-Sep-2014	11-Sep-2014	11-Sep-2014	11-Sep-2014	11-Sep-2014	11-Sep-2014	11-Sep-2014
EPH CWG (Aliphatic) GC (S)	15-Sep-2014	15-Sep-2014	15-Sep-2014	15-Sep-2014	15-Sep-2014	15-Sep-2014	15-Sep-2014	15-Sep-2014	15-Sep-2014	13-Sep-2014
EPH CWG (Aromatic) GC (S)	15-Sep-2014	15-Sep-2014	15-Sep-2014	15-Sep-2014	15-Sep-2014	15-Sep-2014	15-Sep-2014	15-Sep-2014	15-Sep-2014	13-Sep-2014
GRO by GC-FID (S)	11-Sep-2014	11-Sep-2014	11-Sep-2014	11-Sep-2014	11-Sep-2014	11-Sep-2014	11-Sep-2014	11-Sep-2014	11-Sep-2014	11-Sep-2014
Metals in solid samples by OES	15-Sep-2014	12-Sep-2014	12-Sep-2014	12-Sep-2014	15-Sep-2014	12-Sep-2014	15-Sep-2014	15-Sep-2014	15-Sep-2014	12-Sep-2014
PAH by GCMS	14-Sep-2014	14-Sep-2014	14-Sep-2014	14-Sep-2014	14-Sep-2014	14-Sep-2014	14-Sep-2014	14-Sep-2014	14-Sep-2014	13-Sep-2014
pH	11-Sep-2014	11-Sep-2014	11-Sep-2014	11-Sep-2014	11-Sep-2014	11-Sep-2014	11-Sep-2014	11-Sep-2014	11-Sep-2014	12-Sep-2014
Sample description	09-Sep-2014	09-Sep-2014	09-Sep-2014	09-Sep-2014	09-Sep-2014	09-Sep-2014	09-Sep-2014	09-Sep-2014	09-Sep-2014	08-Sep-2014
Total Organic Carbon	15-Sep-2014							12-Sep-2014		
TPH CWG GC (S)	15-Sep-2014	15-Sep-2014	15-Sep-2014	15-Sep-2014	15-Sep-2014	15-Sep-2014	15-Sep-2014	15-Sep-2014	15-Sep-2014	13-Sep-2014
VOC MS (S)	12-Sep-2014	12-Sep-2014	12-Sep-2014	12-Sep-2014	12-Sep-2014	12-Sep-2014	12-Sep-2014	12-Sep-2014	12-Sep-2014	12-Sep-2014

Lab Sample No(s)	9923427	9923431	9923435	9923441	9923450	9923457	9923463	9923468
Customer Sample Ref.	SF11	SF12	SF13	SF14	SF15	SF16	SF17	SF18
AGS Ref.								
Depth	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos fibres in Soil*	11-Sep-2014	11-Sep-2014	11-Sep-2014	11-Sep-2014	11-Sep-2014	11-Sep-2014	11-Sep-2014	11-Sep-2014
EPH CWG (Aliphatic) GC (S)	15-Sep-2014	15-Sep-2014	13-Sep-2014	15-Sep-2014	13-Sep-2014	15-Sep-2014	13-Sep-2014	15-Sep-2014
EPH CWG (Aromatic) GC (S)	15-Sep-2014	15-Sep-2014	13-Sep-2014	15-Sep-2014	13-Sep-2014	15-Sep-2014	13-Sep-2014	15-Sep-2014
GRO by GC-FID (S)	11-Sep-2014	11-Sep-2014	11-Sep-2014	11-Sep-2014	11-Sep-2014	12-Sep-2014	12-Sep-2014	11-Sep-2014
Metals in solid samples by OES	12-Sep-2014	15-Sep-2014	12-Sep-2014	12-Sep-2014	12-Sep-2014	12-Sep-2014	12-Sep-2014	12-Sep-2014
PAH by GCMS	13-Sep-2014	13-Sep-2014	13-Sep-2014	13-Sep-2014	13-Sep-2014	13-Sep-2014	13-Sep-2014	13-Sep-2014
pH	11-Sep-2014	12-Sep-2014	11-Sep-2014	11-Sep-2014	11-Sep-2014	11-Sep-2014	12-Sep-2014	12-Sep-2014
Sample description	08-Sep-2014	08-Sep-2014	08-Sep-2014	08-Sep-2014	08-Sep-2014	08-Sep-2014	08-Sep-2014	10-Sep-2014
Total Organic Carbon				11-Sep-2014				12-Sep-2014
TPH CWG GC (S)	15-Sep-2014	15-Sep-2014	13-Sep-2014	15-Sep-2014	13-Sep-2014	15-Sep-2014	13-Sep-2014	15-Sep-2014
VOC MS (S)	12-Sep-2014	12-Sep-2014	12-Sep-2014	12-Sep-2014	12-Sep-2014	12-Sep-2014	12-Sep-2014	12-Sep-2014

Derwentside Environmental Testing Services

Certificate of Analysis

Certificate Number 14-14974

11-Sep-14

Client	Alcontrol Laboratories Units 7 & 8 Hawarden Business Park Manor Road Hawarden Deeside CH5 3US
Our Reference	14-14974
Client Reference	140904-73
Contract Title	140904-73
Description	18 Soil samples.
Date Received	08-Sep-14
Date Started	08-Sep-14
Date Completed	11-Sep-14
Test Procedures	Asbestos Analysis DETSC 1101.
Notes	Opinions and interpretations are outside the scope of UKAS accreditation. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. Observations and interpretations are outside the scope of ISO 17025. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.

Approved By

Rob Brown
Business Manager

UKAS TESTING
2139

Summary of Asbestos Analysis
Soil Samples

Our Ref 14-14974
Client Ref 140904-73
Contract Title 140904-73

Lab No	Sample ID	Material Type	Result	Comment*	Analyst
696388	9928285 SF1 0.00-.00	SOIL	NAD	none	Andrew Little
696389	9928416 SF10 0.00-.00	SOIL	NAD	none	Andrew Little
696390	9928531 SF11 0.00-.00	SOIL	NAD	none	Andrew Little
696391	9928427 SF12 0.00-.00	SOIL	NAD	none	Andrew Little
696392	9928432 SF13 0.00-.00	SOIL	Chrysotile	Bundles of chrysotile fibres present	Andrew Little
696393	9928437 SF14 0.00-.00	SOIL	Chrysotile	Bundles of chrysotile fibres present	Andrew Little
696394	9928448 SF15 0.00-.00	SOIL	Chrysotile	Free chrysotile fibres present	Andrew Little
696395	9928462 SF16 0.00-.00	SOIL	Chrysotile	Bundles of chrysotile fibres present	Andrew Little
696396	9928498 SF17 0.00-.00	SOIL	NAD	none	Andrew Little
696397	9928487 SF18 0.00-.00	SOIL	NAD	none	Andrew Little
696398	9928230 SF2 0.00-.00	SOIL	NAD	none	Andrew Little
696399	9928322 SF3 0.00-.00	SOIL	Chrysotile	Bundles of chrysotile fibres present	Andrew Little
696400	9928329 SF4 0.00-.00	SOIL	Chrysotile	Bundles of chrysotile fibres present	Andrew Little
696401	9928267 SF5 0.00-.00	SOIL	Chrysotile	Bundles of chrysotile fibres present	Andrew Little
696402	9928303 SF6 0.00-.00	SOIL	Chrysotile	Free chrysotile fibres present	John Leeson
696403	9928339 SF7 0.00-.00	SOIL	NAD	none	John Leeson
696404	9928369 SF8 0.00-.00	SOIL	NAD	none	John Leeson
696405	9928351 SF9 0.00-.00	SOIL	Chrysotile	Free chrysotile fibres present	John Leeson

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 14-14974
Client Ref 140904-73
Contract 140904-73

Containers Received & Deviating Samples

Lab No	Sample ID	Date Sampled	Containers Received	Holding time exceeded for tests	Inappropriate container for tests
696388	9928285 0.00-.00 SOIL	02/09/14	PT 1L (1kg)		
696389	9928416 0.00-.00 SOIL	02/09/14	GJ 1L (1L)		
696390	9928531 0.00-.00 SOIL	02/09/14	PT 1L (1kg)		
696391	9928427 0.00-.00 SOIL	02/09/14	PT 1L (1kg)		
696392	9928432 0.00-.00 SOIL	02/09/14	PT 1L (1kg)		
696393	9928437 0.00-.00 SOIL	02/09/14	PT 1L (1kg)		
696394	9928448 0.00-.00 SOIL	02/09/14	PT 1L (1kg)		
696395	9928462 0.00-.00 SOIL	02/09/14	PT 1L (1kg)		
696396	9928498 0.00-.00 SOIL	02/09/14	PT 1L (1kg)		
696397	9928487 0.00-.00 SOIL	02/09/14	PT 1L (1kg)		
696398	9928230 0.00-.00 SOIL	02/09/14	PT 1L (1kg)		
696399	9928322 0.00-.00 SOIL	02/09/14	PT 1L (1kg)		
696400	9928329 0.00-.00 SOIL	02/09/14	PT 1L (1kg)		
696401	9928267 0.00-.00 SOIL	02/09/14	PT 1L (1kg)		
696402	9928303 0.00-.00 SOIL	02/09/14	PT 1L (1kg)		
696403	9928339 0.00-.00 SOIL	02/09/14	PT 1L (1kg)		
696404	9928369 0.00-.00 SOIL	02/09/14	PT 1L (1kg)		
696405	9928351 0.00-.00 SOIL	02/09/14	PT 1L (1kg)		

Key: P-Plastic T-Tub G-Glass J-Jar

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:	140904-73	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0814
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	284142
Client Reference:	Commercial Area	**Attention:**	Jack Lowrie	**Superseded Report:**	

Appendix

General

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

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

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

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

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

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

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

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

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

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

11. Results relate only to the items tested.

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

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

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

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

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

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

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

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

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

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

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

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

Sample Deviations

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

Asbestos

Identification of Asbestos in Bulk Materials & Soils

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

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

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

Visual Estimation Of Fibre Content

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

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

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

ALcontrol Laboratories

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

Attention: Alex Mann

CERTIFICATE OF ANALYSIS

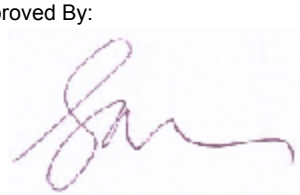
Date:	24 June 2013
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	130613-28
Your Reference:	DiME
Location:	Coed Darcy Urban Village
Report No:	230256

We received 5 samples on Thursday June 13, 2013 and 5 of these samples were scheduled for analysis which was completed on Monday June 24, 2013. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

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

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

Approved By:



Sonia McWhan

Operations Manager

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CERTIFICATE OF ANALYSIS

SDG:	130613-28	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0435
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	230256
Client Reference:	DiME	**Attention:**	Alex Mann	**Superseded Report:**	

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
7577700	EMB1			12/06/2013
7577701	EMB2			12/06/2013
7577704	EMB3			12/06/2013
7577705	EMB4			12/06/2013
7577708	EMB5			12/06/2013

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

CERTIFICATE OF ANALYSIS

SDG:	130613-28	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0435
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	230256
Client Reference:	DiME	**Attention:**	Alex Mann	**Superseded Report:**	

SOLID

Results Legend

X **Test**

N **No Determination Possible**

			Lab Sample No(s)	7577700			7577701			7577704			7577705			7577708		
			Customer Sample Reference	EMB1			EMB2			EMB3			EMB4			EMB5		
			AGS Reference															
			Depth (m)															
			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)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 5			X			X			X			X				X	
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 5		X			X			X			X			X			
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 5		X			X			X			X			X			
GRO by GC-FID (S)	All	NDPs: 0 Tests: 5				X			X			X			X				X
Metals in solid samples by OES	All	NDPs: 0 Tests: 5		X			X			X			X			X			
pH	All	NDPs: 0 Tests: 5			X			X			X			X				X	
Sample description	All	NDPs: 0 Tests: 5		X			X			X			X			X			
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 5		X			X			X			X			X			
Total Organic Carbon	All	NDPs: 5 Tests: 0		N			N			N			N			N			
Total Organic Carbon (Asb)	All	NDPs: 0 Tests: 5		X			X			X			X			X			
TPH CWG GC (S)	All	NDPs: 0 Tests: 5		X			X			X			X			X			
VOC MS (S)	All	NDPs: 0 Tests: 5				X			X			X			X				X

CERTIFICATE OF ANALYSIS

SDG:	130613-28	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0435
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	230256
Client Reference:	DiME	**Attention:**	Alex Mann	**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
7577700	EMB1		Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
7577701	EMB2		Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
7577704	EMB3		Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
7577705	EMB4		Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
7577708	EMB5		Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None

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

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

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

CERTIFICATE OF ANALYSIS

SDG:	130613-28	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0435
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	230256
Client Reference:	DiME	**Attention:**	Alex Mann	**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
1-4&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	EMB1	EMB2	EMB3	EMB4	EMB5
			Depth (m)	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	12/06/2013	12/06/2013	12/06/2013	12/06/2013	12/06/2013
			Sample Time	.	.	.	.	.
			Date Received	13/06/2013	13/06/2013	13/06/2013	13/06/2013	13/06/2013
			SDG Ref	130613-28	130613-28	130613-28	130613-28	130613-28
			Lab Sample No.(s)	7577700	7577701	7577704	7577705	7577708
			AGS Reference					
pH	1 pH Units	TM133		7.8 M	8.16 M	7.83 M	8.4 M	8.06 M
Arsenic	<0.6 mg/kg	TM181		17.3 M	16.1 M	17.6 M	16.3 M	20.4 M
Cadmium	<0.02 mg/kg	TM181		0.743 M	0.659 M	0.761 M	0.86 M	1.01 M
Chromium	<0.9 mg/kg	TM181		27.8 M	25.4 M	26.7 M	29 M	30.5 M
Copper	<1.4 mg/kg	TM181		92.4 M	102 M	94.7 M	98.2 M	116 M
Lead	<0.7 mg/kg	TM181		133 M	85.9 M	93.7 M	86.5 M	99.9 M
Mercury	<0.14 mg/kg	TM181		0.936 M	0.474 M	0.723 M	0.509 M	0.543 M
Nickel	<0.2 mg/kg	TM181		25.7 M	23.2 M	26.7 M	22.6 M	26.7 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #
Zinc	<1.9 mg/kg	TM181		397 M	315 M	391 M	247 M	295 M
Soil Organic Matter (SOM)	<0.1 %	TM321		2.27	1.86	1.59	1.8	1.65

CERTIFICATE OF ANALYSIS

SDG:	130613-28	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0435
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	230256
Client Reference:	DiME	**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	EMB1	EMB2	EMB3	EMB4	EMB5
			Depth (m)	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	12/06/2013	12/06/2013	12/06/2013	12/06/2013	12/06/2013
			Sample Time	.	.	.	.	.
			Date Received	13/06/2013	13/06/2013	13/06/2013	13/06/2013	13/06/2013
			SDG Ref	130613-28	130613-28	130613-28	130613-28	130613-28
			Lab Sample No.(s)	7577700	7577701	7577704	7577705	7577708
			AGS Reference					
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	168	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<200	<200	<100	147	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	130613-28	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0435
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	230256
Client Reference:	DiME	**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	EMB1	EMB2	EMB3	EMB4	EMB5
			Depth (m)	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	12/06/2013	12/06/2013	12/06/2013	12/06/2013	12/06/2013
			Sample Time	.	.	.	.	.
			Date Received	13/06/2013	13/06/2013	13/06/2013	13/06/2013	13/06/2013
			SDG Ref	130613-28	130613-28	130613-28	130613-28	130613-28
			Lab Sample No.(s)	7577700	7577701	7577704	7577705	7577708
			AGS Reference					
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		245	226	137	223	406
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		<100	151	316	160	121
Benzo(a)anthracene	<100 µg/kg	TM157		496	576	751	791	629
Benzo(b)fluoranthene	<100 µg/kg	TM157		484	526	714	840	587
Benzo(k)fluoranthene	<100 µg/kg	TM157		290	356	564	519	387
Benzo(a)pyrene	<100 µg/kg	TM157		418	529	715	725	542
Benzo(g,h,i)perylene	<100 µg/kg	TM157		208	263	363	363	276
Chrysene	<100 µg/kg	TM157		638	674	978	884	733
Fluoranthene	<100 µg/kg	TM157		711	951	1270	1230	904
Fluorene	<100 µg/kg	TM157		<100	<100	147	<100	117
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		207	258	347	357	275
Phenanthrene	<100 µg/kg	TM157		371	448	785	628	564
Pyrene	<100 µg/kg	TM157		700	818	988	987	888
Naphthalene	<100 µg/kg	TM157		148	133	125	167	186
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	121	<100

CERTIFICATE OF ANALYSIS

SDG:	130613-28	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0435
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	230256
Client Reference:	DiME	**Attention:**	Alex Mann	**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
1-4&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	EMB1	EMB2	EMB3	EMB4	EMB5
			Depth (m)	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	12/06/2013	12/06/2013	12/06/2013	12/06/2013	12/06/2013
			Sample Time	.	.	.	.	.
			Date Received	13/06/2013	13/06/2013	13/06/2013	13/06/2013	13/06/2013
			SDG Ref	130613-28	130613-28	130613-28	130613-28	130613-28
			Lab Sample No.(s)	7577700	7577701	7577704	7577705	7577708
			AGS Reference					
GRO Surrogate % recovery**	%	TM089		55	73	49	55	48
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		3960 M	2900 M	1040 M	2290 M	2420 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	<2 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		28.3	15.3	<10	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		181	185	26.2	25.2	71.4
Aliphatics >C8-C10	<10 µg/kg	TM089		618	498	106	198	383
Aliphatics >C10-C12	<10 µg/kg	TM089		1630	1120	494	1150	1020
Aliphatics >C12-C16	<100 µg/kg	TM173		70100	54000	39000	53300	54600
Aliphatics >C16-C21	<100 µg/kg	TM173		177000	149000	93800	119000	82100
Aliphatics >C21-C35	<100 µg/kg	TM173		1230000	1120000	538000	684000	416000
Aliphatics >C35-C44	<100 µg/kg	TM173		248000	255000	113000	143000	120000
Total Aliphatics >C12-C44	<100 µg/kg	TM173		1730000	1580000	784000	999000	673000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		413	332	72.6	137	255
Aromatics >EC10-EC12	<10 µg/kg	TM089		1090	746	330	768	682
Aromatics >EC12-EC16	<100 µg/kg	TM173		16200	15200	7230	12400	13100
Aromatics >EC16-EC21	<100 µg/kg	TM173		72800	67600	35900	54300	39800
Aromatics >EC21-EC35	<100 µg/kg	TM173		524000	517000	233000	356000	220000
Aromatics >EC35-EC44	<100 µg/kg	TM173		173000	189000	92100	121000	104000
Aromatics >EC40-EC44	<100 µg/kg	TM173		67600	75000	34700	47900	41300
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		785000	789000	368000	544000	377000
Total Aliphatics >C5-35	<100 µg/kg	TM173		1480000	1330000	671000	857000	554000
Total Aromatics >C5-35	<100 µg/kg	TM173		614000	601000	276000	424000	274000
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		2100000	1930000	948000	1280000	828000

CERTIFICATE OF ANALYSIS

SDG:	130613-28	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0435
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	230256
Client Reference:	DiME	**Attention:**	Alex Mann	**Superseded Report:**	

TPH CWG (S)

Results Legend		Customer Sample R	EMB1	EMB2	EMB3	EMB4	EMB5	
#	ISO17025 accredited.							
M	*m*CERTS accredited.							
aq	Aqueous / settled sample.							
diss.filt	Dissolved / filtered sample.	Depth (m)	.	.	.	.	.	
tot.unfilt	Total / unfiltered sample.	Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	
*	Subcontracted test.	Date Sampled	12/06/2013	12/06/2013	12/06/2013	12/06/2013	12/06/2013	
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery	Sample Time	.	.	.	.	.	
		Date Received	13/06/2013	13/06/2013	13/06/2013	13/06/2013	13/06/2013	
		SDG Ref	130613-28	130613-28	130613-28	130613-28	130613-28	
(F)	Trigger breach confirmed	Lab Sample No.(s)	7577700	7577701	7577704	7577705	7577708	
1-4&+§@	Sample deviation (see appendix)	AGS Reference						
Component		**LOD/Units**	**Method**					
Total Aliphatics & Aromatics >C5-C44		<100 µg/kg	TM173	2520000	2370000	1150000	1540000	1050000

CERTIFICATE OF ANALYSIS

SDG:	130613-28	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0435
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	230256
Client Reference:	DiME	**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	EMB1	EMB2	EMB3	EMB4	EMB5
			Depth (m)	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	12/06/2013	12/06/2013	12/06/2013	12/06/2013	12/06/2013
			Sample Time	.	.	.	.	.
			Date Received	13/06/2013	13/06/2013	13/06/2013	13/06/2013	13/06/2013
			SDG Ref	130613-28	130613-28	130613-28	130613-28	130613-28
			Lab Sample No.(s)	7577700	7577701	7577704	7577705	7577708
			AGS Reference					
Dibromofluoromethane**	%	TM116		110	112	108	106	106
Toluene-d8**	%	TM116		99.4	100	99.7	99.6	101
4-Bromofluorobenzene**	%	TM116		112	112	112	110	109
Dichlorodifluoromethane	<4 µg/kg	TM116		<8 M	<80 M	<80 M	<80 M	<80 M
Chloromethane	<7 µg/kg	TM116		<14	<140	<140	<140	<140
Vinyl Chloride	<10 µg/kg	TM116		<20	<200	<200	<200	<200
Bromomethane	<13 µg/kg	TM116		<26 M	<260 M	<260 M	<260 M	<260 M
Chloroethane	<14 µg/kg	TM116		<28 M	<280 M	<280 M	<280 M	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116		<12 M	<120 M	<120 M	<120 M	<120 M
1,1-Dichloroethene	<10 µg/kg	TM116		<20 #	<200 #	<200 #	<200 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		72.6 M	<140 M	<140 M	<140 M	<140 M
Dichloromethane	<10 µg/kg	TM116		<20 #	<200 #	<200 #	<200 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<22 M	<220 M	<220 M	<220 M	<220 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<22 M	<220 M	<220 M	<220 M	<220 M
1,1-Dichloroethane	<8 µg/kg	TM116		<16 M	<160 M	<160 M	<160 M	<160 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<10 M	<100 M	<100 M	<100 M	<100 M
2,2-Dichloropropane	<12 µg/kg	TM116		<24 M	<240 M	<240 M	<240 M	<240 M
Bromochloromethane	<14 µg/kg	TM116		<28 M	<280 M	<280 M	<280 M	<280 M
Chloroform	<8 µg/kg	TM116		<16 M	<160 M	<160 M	<160 M	<160 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<14 M	<140 M	<140 M	<140 M	<140 M
1,1-Dichloropropene	<11 µg/kg	TM116		<22 M	<220 M	<220 M	<220 M	<220 M
Carbontetrachloride	<14 µg/kg	TM116		<28 M	<280 M	<280 M	<280 M	<280 M
1,2-Dichloroethane	<5 µg/kg	TM116		<10 M	<100 M	<100 M	<100 M	<100 M
Benzene	<9 µg/kg	TM116		<18 M	<180 M	<180 M	<180 M	<180 M
Trichloroethene	<9 µg/kg	TM116		<18 M	<180 M	<180 M	<180 M	<180 M
1,2-Dichloropropane	<12 µg/kg	TM116		<24 M	<240 M	<240 M	<240 M	<240 M
Dibromomethane	<9 µg/kg	TM116		<18 M	<180 M	<180 M	<180 M	<180 M
Bromodichloromethane	<7 µg/kg	TM116		<14 M	<140 M	<140 M	<140 M	<140 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<28 M	<280 M	<280 M	<280 M	<280 M
Toluene	<5 µg/kg	TM116		<10 M	<100 M	<100 M	<100 M	<100 M
trans-1,3-Dichloropropene	<14 µg/kg	TM116		<28	<280	<280	<280	<280
1,1,2-Trichloroethane	<10 µg/kg	TM116		<20 M	<200 M	<200 M	<200 M	<200 M

CERTIFICATE OF ANALYSIS

SDG:	130613-28	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0435
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	230256
Client Reference:	DiME	**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	EMB1	EMB2	EMB3	EMB4	EMB5
			Depth (m)	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	12/06/2013	12/06/2013	12/06/2013	12/06/2013	12/06/2013
			Sample Time	.	.	.	.	.
			Date Received	13/06/2013	13/06/2013	13/06/2013	13/06/2013	13/06/2013
			SDG Ref	130613-28	130613-28	130613-28	130613-28	130613-28
			Lab Sample No.(s)	7577700	7577701	7577704	7577705	7577708
			AGS Reference					
1,3-Dichloropropane	<7 µg/kg	TM116		<14 #	<140 #	<140 #	<140 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<10 M	<100 M	<100 M	<100 M	<100 M
Dibromochloromethane	<13 µg/kg	TM116		<26 M	<260 M	<260 M	<260 M	<260 M
1,2-Dibromoethane	<12 µg/kg	TM116		<24 M	<240 M	<240 M	<240 M	<240 M
Chlorobenzene	<5 µg/kg	TM116		<10 M	<100 M	<100 M	<100 M	<100 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<20 M	<200 M	<200 M	<200 M	<200 M
Ethylbenzene	<4 µg/kg	TM116		<8 M	<80 M	<80 M	<80 M	<80 M
p/m-Xylene	<14 µg/kg	TM116		<28 #	<280 #	<280 #	<280 #	<280 #
o-Xylene	<10 µg/kg	TM116		<20 M	<200 M	<200 M	<200 M	<200 M
Styrene	<10 µg/kg	TM116		<20 M	<200 M	<200 M	<200 M	<200 M
Bromoform	<10 µg/kg	TM116		<20 M	<200 M	<200 M	<200 M	<200 M
Isopropylbenzene	<5 µg/kg	TM116		<10 M	<100 M	<100 M	<100 M	<100 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<20 #	<200 #	<200 #	<200 #	<200 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<34 M	<340 M	<340 M	<340 M	<340 M
Bromobenzene	<10 µg/kg	TM116		<20 M	<200 M	<200 M	<200 M	<200 M
Propylbenzene	<11 µg/kg	TM116		<22 M	<220 M	<220 M	<220 M	<220 M
2-Chlorotoluene	<9 µg/kg	TM116		<18 M	<180 M	<180 M	<180 M	<180 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<16 #	<160 #	<160 #	<160 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<24 M	<240 M	<240 M	<240 M	<240 M
tert-Butylbenzene	<12 µg/kg	TM116		<24 #	<240 #	<240 #	<240 #	<240 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<18 #	<180 #	<180 #	<180 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		<20 M	<200 M	<200 M	<200 M	<200 M
4-Isopropyltoluene	<11 µg/kg	TM116		<22 M	<220 M	<220 M	<220 M	<220 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<12 M	<120 M	<120 M	<120 M	<120 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<10 M	<100 M	<100 M	<100 M	<100 M
n-Butylbenzene	<10 µg/kg	TM116		<20 M	<200 M	<200 M	<200 M	<200 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<24 M	<240 M	<240 M	<240 M	<240 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<28 M	<280 M	<280 M	<280 M	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<30	<300	<300	<300	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<12 #	<120 #	<120 #	<120 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<24	<240	<240	<240	<240
Naphthalene	<13 µg/kg	TM116		<26 M	<260 M	<260 M	<260 M	<260 M

CERTIFICATE OF ANALYSIS

SDG:	130613-28	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0435
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	230256
Client Reference:	DiME	**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

Results Legend		Customer Sample R	EMB1	EMB2	EMB3	EMB4	EMB5	
#	ISO17025 accredited.							
M	*m*CERTS accredited.							
aq	Aqueous / settled sample.	Depth (m)	.	.	.	.	.	
diss.filt	Dissolved / filtered sample.	Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	
tot.unfilt	Total / unfiltered sample.	Date Sampled	12/06/2013	12/06/2013	12/06/2013	12/06/2013	12/06/2013	
*	Subcontracted test.	Sample Time	.	.	.	.	.	
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery	Date Received	13/06/2013	13/06/2013	13/06/2013	13/06/2013	13/06/2013	
		SDG Ref	130613-28	130613-28	130613-28	130613-28	130613-28	
(F)	Trigger breach confirmed	Lab Sample No.(s)	7577700	7577701	7577704	7577705	7577708	
1-4&+§@	Sample deviation (see appendix)	AGS Reference						
Component	**LOD/Units**	**Method**						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	<12 M	<120 M	<120 M	<120 M	<120 M	

CERTIFICATE OF ANALYSIS

SDG:	130613-28	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0435
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	230256
Client Reference:	DiME	**Attention:**	Alex Mann	**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	EMB1 SOLID 12/06/2013 00:00:00 130613-28 7577700 TM048	18/06/13	Lauren Sargeant	Loose fibres and AC debris in soil sample	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	EMB2 SOLID 12/06/2013 00:00:00 130613-28 7577701 TM048	18/06/13	Lauren Sargeant	Loose fibres in soil	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	EMB3 SOLID 12/06/2013 00:00:00 130613-28 7577704 TM048	18/06/13	Martin Cotterell	Loose fibres and ACM debris in soil sample	Detected (#)	Detected (#)	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	EMB4 SOLID 12/06/2013 00:00:00 130613-28 7577705 TM048	18/06/13	Lauren Sargeant	Loose fibres in soil	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	EMB5 SOLID 12/06/2013 00:00:00 130613-28 7577708 TM048	18/06/13	Martin Cotterell	Loose fibres in soil	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	130613-28	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0435
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	230256
Client Reference:	DiME	**Attention:**	Alex Mann	**Superseded Report:**	

Notification of NDPs (No determination possible)

Date Received : 13/06/2013 08:50:45

Sample No	Customer Sample Ref.	Depth (m)	Test	Comment
7577700	EMB1		Total Organic Carbon	Unsuitable for analysis due to potential Asbestos
7577701	EMB2		Total Organic Carbon	Unsuitable for analysis due to potential Asbestos
7577704	EMB3		Total Organic Carbon	Unsuitable for analysis due to potential Asbestos
7577705	EMB4		Total Organic Carbon	Unsuitable for analysis due to potential Asbestos
7577708	EMB5		Total Organic Carbon	Unsuitable for analysis due to potential Asbestos

CERTIFICATE OF ANALYSIS

SDG:	130613-28	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0435
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	230256
Client Reference:	DiME	**Attention:**	Alex Mann	**Superseded Report:**	

Table of Results - Appendix

Method No	Reference	Description	Wet/Dry Sample [1]	Surrogate Corrected
ASB_PREP				
PM001		Preparation of Samples for Metals Analysis		
PM024	Modified BS 1377	Soil preparation including homogenisation, moisture screens of soils for Asbestos Containing Material		
TM048	HSG 248, Asbestos: The analysts' guide for sampling, analysis and clearance procedures	Identification of Asbestos in Bulk Material		
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)		
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS		
TM132	In - house Method	ELTRA CS800 Operators Guide		
TM133	BS 1377: Part 3 1990;BS 6068-2.5	Determination of pH in Soil and Water using the GLpH pH Meter		
TM157	HP 6890 Gas Chromatograph (GC) system and HP 5973 Mass Selective Detector (MSD).	Determination of SVOC in Soils by GC-MS extracted by sonication in DCM/Acetone		
TM173	Analysis of Petroleum Hydrocarbons in Environmental Media – Total Petroleum Hydrocarbon Criteria	Determination of Speciated Extractable Petroleum Hydrocarbons in Soils by GC-FID		
TM181	US EPA Method 6010B	Determination of Routine Metals in Soil by iCap 6500 Duo ICP-OES		
TM321		Organic matter Content of Soil By Titration		

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

CERTIFICATE OF ANALYSIS

SDG:	130613-28	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0435
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	230256
Client Reference:	DiME	**Attention:**	Alex Mann	**Superseded Report:**	

Test Completion Dates

Lab Sample No(s)	7577700	7577701	7577704	7577705	7577708
Customer Sample Ref.	EMB1	EMB2	EMB3	EMB4	EMB5
AGS Ref.					
Depth					
Type	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	18-Jun-2013	18-Jun-2013	18-Jun-2013	18-Jun-2013	18-Jun-2013
EPH CWG (Aliphatic) GC (S)	19-Jun-2013	19-Jun-2013	19-Jun-2013	19-Jun-2013	19-Jun-2013
EPH CWG (Aromatic) GC (S)	19-Jun-2013	19-Jun-2013	19-Jun-2013	19-Jun-2013	19-Jun-2013
GRO by GC-FID (S)	22-Jun-2013	22-Jun-2013	22-Jun-2013	22-Jun-2013	22-Jun-2013
Metals in solid samples by OES	18-Jun-2013	18-Jun-2013	18-Jun-2013	18-Jun-2013	18-Jun-2013
pH	17-Jun-2013	17-Jun-2013	17-Jun-2013	14-Jun-2013	14-Jun-2013
Sample description	14-Jun-2013	14-Jun-2013	14-Jun-2013	14-Jun-2013	14-Jun-2013
Semi Volatile Organic Compounds	19-Jun-2013	19-Jun-2013	19-Jun-2013	19-Jun-2013	19-Jun-2013
Total Organic Carbon (Asb)	18-Jun-2013	18-Jun-2013	18-Jun-2013	18-Jun-2013	18-Jun-2013
TPH CWG GC (S)	22-Jun-2013	22-Jun-2013	22-Jun-2013	22-Jun-2013	22-Jun-2013
VOC MS (S)	24-Jun-2013	24-Jun-2013	24-Jun-2013	24-Jun-2013	24-Jun-2013

SDG:	130613-28	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0435
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	230256
Client Reference:	DiME	**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 2 months after the analysis date. All bulk samples will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALcontrol Laboratories reserve the right to charge for samples received and stored but not analysed.

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

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

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

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

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

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

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

11. Results relate only to the items tested.

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

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

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

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

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

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

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

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

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

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

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

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

Sample Deviations

1	**Container with Headspace provided for volatiles analysis**
2	**Incorrect container received**
3	**Deviation from method**
4	**Holding time exceeded before sample received**
§	**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.

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Attention: Selina Bamforth

CERTIFICATE OF ANALYSIS

Date:	29 February 2012
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	120212-43
Your Reference:	Weekly Samples
Location:	Coed Darcy Urban Village
Report No:	172470

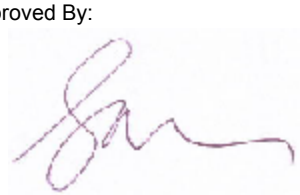
This report has been revised and directly supersedes 171247 in its entirety.

We received 18 samples on Friday February 10, 2012 and 18 of these samples were scheduled for analysis which was completed on Wednesday February 29, 2012. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

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

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

Approved By:



Sonia McWhan

Operations Manager

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CERTIFICATE OF ANALYSIS

SDG:	120212-43	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD217
Job:	H_ATKINS_LDC-105	**Customer:**	Atkins Global Ltd	**Report Number:**	172470
Client Reference:	Weekly Samples	**Attention:**	Selina Bamforth	**Superseded Report:**	171247

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
5161406	36'			
5161404	DIME BASE 11			
5161405	DIME BASE 12			
5161403	DIME BASE 8B			
5161401	DIME WT IN			
5161402	DIME WT OUT			
5161407	NSR IN			
5161408	NSR OUT			
5161409	WSMW049ATK01		0.20	
5161410	WSMW049ATK02		0.20	
5161418	WSTP024ATK01		0.40	
5161419	WSTP024ATK02		0.40	
5161411	WSTP036ATK01		0.20	
5161412	WSTP036ATK02		0.30	
5161413	WSTP037ATK01		0.10	
5161415	WSTP037ATK02		0.10	
5161416	WSTP08SATK01		0.40	
5161417	WSTP08SATK02		0.40	

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

CERTIFICATE OF ANALYSIS

SDG:	120212-43	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD217
Job:	H_ATKINS_LDC-105	**Customer:**	Atkins Global Ltd	**Report Number:**	172470
Client Reference:	Weekly Samples	**Attention:**	Selina Bamforth	**Superseded Report:**	171247

LIQUID

Results Legend

X **Test**

N **No Determination Possible**

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
			5161401	DIME WT IN			Vial (ALE297)
			5161402	DIME WT OUT			Vial (ALE297)
			5161407	NSR IN			1l green glass bottle
			5161407	NSR IN			1lplastic (ALE221)
			5161407	NSR IN			Vial (ALE297)
			5161408	NSR OUT			1l green glass bottle
			5161408	NSR OUT			1lplastic (ALE221)
			5161408	NSR OUT			Vial (ALE297)
			5161406	36'			1l green glass bottle
			5161406	36'			1lplastic (ALE221)
			5161406	36'			Vial (ALE297)
Ammoniacal Nitrogen	All	NDPs: 0 Tests: 3					
							X
							X
							X
Anions by Kone (w)	All	NDPs: 0 Tests: 3					
							X
							X
							X
BOD True Total	All	NDPs: 0 Tests: 3					
							X
							X
							X
COD Unfiltered	All	NDPs: 0 Tests: 3					
							X
							X
							X
Conductivity (at 20 deg.C)	All	NDPs: 0 Tests: 3					
							X
							X
							X
Dissolved Metals by ICP-MS	All	NDPs: 0 Tests: 3					
							X
							X
							X
EPH CWG (Aliphatic) Aqueous GC (W)	All	NDPs: 0 Tests: 3					
							X
							X
							X
EPH CWG (Aromatic) Aqueous GC (W)	All	NDPs: 0 Tests: 3					
							X
							X
							X
GRO by GC-FID (W)	All	NDPs: 0 Tests: 3					
							X
							X
							X
pH Value	All	NDPs: 0 Tests: 3					
							X
							X
							X
Suspended Solids	All	NDPs: 0 Tests: 3					
							X
							X
							X
SVOC MS (W) - Aqueous	All	NDPs: 0 Tests: 5					
			X	X	X		X
							X
							X
TPH CWG (W)	All	NDPs: 0 Tests: 3					
							X
							X
							X
VOC MS (W)	All	NDPs: 0 Tests: 5					
			X	X			X
							X
							X

CERTIFICATE OF ANALYSIS

SDG:	120212-43	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD217
Job:	H_ATKINS_LDC-105	**Customer:**	Atkins Global Ltd	**Report Number:**	172470
Client Reference:	Weekly Samples	**Attention:**	Selina Bamforth	**Superseded Report:**	171247

SOLID

Results Legend

X **Test**

N **No Determination Possible**

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
			5161403	DIME BASE 8B			250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			5161404	DIME BASE 11			250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			5161405	DIME BASE 12			250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			5161416	WSTP08SATK01		0.40	400g Tub (ALE214)
			5161417	WSTP08SATK02		0.40	400g Tub (ALE214)
			5161418	WSTP024ATK01		0.40	400g Tub (ALE214)
			5161419	WSTP024ATK02		0.40	400g Tub (ALE214)
			5161411	WSTP036ATK01		0.20	400g Tub (ALE214)
			5161412	WSTP036ATK02		0.30	400g Tub (ALE214)
			5161413	WSTP037ATK01		0.10	400g Tub (ALE214)
			5161415	WSTP037ATK02		0.10	400g Tub (ALE214)
			5161409	WSMW049ATK01		0.20	400g Tub (ALE214)
			5161410	WSMW049ATK02		0.20	400g Tub (ALE214)
Asbestos Identification (Soil)	All	NDPs: 0 Tests: 10					
							X X X X X X X X X X
Asbestos Quantification Low*	All	NDPs: 0 Tests: 8					
							X X X X X X X X
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 3	X	X	X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 3	X	X	X		
GRO by GC-FID (S)	All	NDPs: 0 Tests: 3		X	X	X	
Metals by iCap-OES (Soil)	Arsenic	NDPs: 0 Tests: 3	X	X	X		
	Cadmium	NDPs: 0 Tests: 3	X	X	X		
	Chromium	NDPs: 0 Tests: 3	X	X	X		
	Copper	NDPs: 0 Tests: 3	X	X	X		
	Lead	NDPs: 0 Tests: 3	X	X	X		
	Mercury	NDPs: 0 Tests: 3	X	X	X		
	Nickel	NDPs: 0 Tests: 3	X	X	X		
	Selenium	NDPs: 0 Tests: 3	X	X	X		
	Vanadium	NDPs: 0 Tests: 3	X	X	X		
	Zinc	NDPs: 0 Tests: 3	X	X	X		

CERTIFICATE OF ANALYSIS

SDG:	120212-43	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD217
Job:	H_ATKINS_LDC-105	**Customer:**	Atkins Global Ltd	**Report Number:**	172470
Client Reference:	Weekly Samples	**Attention:**	Selina Bamforth	**Superseded Report:**	171247

SOLID

Results Legend

X **Test**

N **No Determination Possible**

		Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
pH	All	NDPs: 0 Tests: 3				
Sample description	All	NDPs: 0 Tests: 3				
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 3				
TPH CWG GC (S)	All	NDPs: 0 Tests: 3				
VOC MS (S)	All	NDPs: 0 Tests: 3				

Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container	pH	Sample description	Semi Volatile Organic Compounds	TPH CWG GC (S)	VOC MS (S)
5161403	DIME BASE 8B			250g Amber Jar (AL		X	X	X	
				400g Tub (ALE214)	X				
				60g VOC (ALE215)					X
5161404	DIME BASE 11			250g Amber Jar (AL		X	X	X	
				400g Tub (ALE214)	X				
				60g VOC (ALE215)					X
5161405	DIME BASE 12			250g Amber Jar (AL		X	X	X	
				400g Tub (ALE214)	X				
				60g VOC (ALE215)					X
5161416	WSTP08SATK01		0.40	400g Tub (ALE214)					
5161417	WSTP08SATK02		0.40	400g Tub (ALE214)					
5161418	WSTP024ATK01		0.40	400g Tub (ALE214)					
5161419	WSTP024ATK02		0.40	400g Tub (ALE214)					
5161411	WSTP036ATK01		0.20	400g Tub (ALE214)					
5161412	WSTP036ATK02		0.30	400g Tub (ALE214)					
5161413	WSTP037ATK01		0.10	400g Tub (ALE214)					
5161415	WSTP037ATK02		0.10	400g Tub (ALE214)					
5161409	WSMW049ATK01		0.20	400g Tub (ALE214)					
5161410	WSMW049ATK02		0.20	400g Tub (ALE214)					

CERTIFICATE OF ANALYSIS

SDG:	120212-43	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD217
Job:	H_ATKINS_LDC-105	**Customer:**	Atkins Global Ltd	**Report Number:**	172470
Client Reference:	Weekly Samples	**Attention:**	Selina Bamforth	**Superseded Report:**	171247

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
5161404	DIME BASE 11		Grey	Sandy Clay	0.1 - 2 mm	Stones	N/A
5161405	DIME BASE 12		Grey	Sandy Clay	0.1 - 2 mm	Stones	N/A
5161403	DIME BASE 8B		Light Brown	Sandy Clay	0.1 - 2 mm	Stones	N/A

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

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

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

CERTIFICATE OF ANALYSIS

SDG:	120212-43	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD217
Job:	H_ATKINS_LDC-105	**Customer:**	Atkins Global Ltd	**Report Number:**	172470
Client Reference:	Weekly Samples	**Attention:**	Selina Bamforth	**Superseded Report:**	171247

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	36'	DIME BASE 11	DIME BASE 12	DIME BASE 8B	NSR IN	NSR OUT
			Depth (m)	.	.	.	.	.	.
			Sample Type	Water(GW/SW)	Soil/Solid	Soil/Solid	Soil/Solid	Water(GW/SW)	Water(GW/SW)
			Date Sampled	-	-	-	-	-	-
			Date Received	10/02/2012	10/02/2012	10/02/2012	10/02/2012	10/02/2012	10/02/2012
			SDG Ref	120212-43	120212-43	120212-43	120212-43	120212-43	120212-43
			Lab Sample No.(s)	5161406	5161404	5161405	5161403	5161407	5161408
			AGS Reference						
Suspended solids, Total	<2 mg/l	TM022		3 #				18.5 #	6 #
BOD, unfiltered	<1 mg/l	TM045		5.81 § #				2.09 § #	2.03 § #
Ammoniacal Nitrogen as NH4	<0.3 mg/l	TM099		0.381 #				<0.3 #	1.09 #
COD, unfiltered	<7 mg/l	TM107		26.1 #				29.7 #	32.6 #
Conductivity @ 20 deg.C	<0.005 mS/cm	TM120		0.579 #				0.457 #	0.358 #
Vanadium (diss.filt)	<0.24 µg/l	TM152		<0.24 #				<0.24 #	<0.24 #
Nitrite as NO2	<0.05 mg/l	TM184		0.065 § #				<0.05 § #	<0.05 § #
Phosphate (ortho) as PO4	<0.05 mg/l	TM184		<0.05 #				<0.05 #	<0.05 #
Nitrate as NO3	<0.3 mg/l	TM184		0.66 #				0.577 #	1.89 #
pH	<1 pH Units	TM256		8 #				8.11 #	7.84 #
pH	1 pH Units	TM133			9.47 M	8.83 M	9.5 M		
Arsenic	<0.6 mg/kg	TM181			16.1 M	29.9 M	8.3 M		
Cadmium	<0.02 mg/kg	TM181			0.27 M	0.758 M	0.47 M		
Chromium	<0.9 mg/kg	TM181			8.99 M	18.9 M	14.1 M		
Copper	<1.4 mg/kg	TM181			80.3 M	147 M	23.9 M		
Lead	<0.7 mg/kg	TM181			53.2 M	211 M	40 M		
Mercury	<0.14 mg/kg	TM181			<0.14 M	0.198 M	<0.14 M		
Nickel	<0.2 mg/kg	TM181			8.55 M	19.2 M	19.9 M		
Selenium	<1 mg/kg	TM181			1.8 #	1.15 #	1.18 #		
Vanadium	<0.2 mg/kg	TM181			12.8 #	35.4 #	14.4 #		
Zinc	<1.9 mg/kg	TM181			215 M	575 M	124 M		

CERTIFICATE OF ANALYSIS

SDG:	120212-43	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD217
Job:	H_ATKINS_LDC-105	**Customer:**	Atkins Global Ltd	**Report Number:**	172470
Client Reference:	Weekly Samples	**Attention:**	Selina Bamforth	**Superseded Report:**	171247

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	WSMW049ATK01	WSMW049ATK02	WSTP024ATK01	WSTP024ATK02	WSTP036ATK01	WSTP036ATK02
			Depth (m)	0.20	0.20	0.40	0.40	0.20	0.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	-	-	-	-	-	-
			Date Received	10/02/2012	10/02/2012	10/02/2012	10/02/2012	10/02/2012	10/02/2012
			SDG Ref	120212-43	120212-43	120212-43	120212-43	120212-43	120212-43
			Lab Sample No.(s)	5161409	5161410	5161418	5161419	5161411	5161412
			AGS Reference						
Actinolite*	-	SUB (ASB)		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
Amosite*	-	SUB (ASB)		Not Detected	Detected	Not Detected	Detected	Detected	Not Detected
Anthophyllite*	-	SUB (ASB)		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
Chrysotile*	-	SUB (ASB)		Detected	Detected	Detected	Not Detected	Not Detected	Detected
Crocidolite*	-	SUB (ASB)		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
Tremolite*	-	SUB (ASB)		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
Total Mass %Asbestos*	<0.001 %	SUB (ASB)		<0.001	<0.001	1.43	<0.001	<0.001	<0.001
Quantification, Phase Contrast Optical	<0.001 %	SUB (ASB)		<0.001	<0.001	0.003	<0.001	<0.001	<0.001
Gravimetric Quantification*	<0.001 %	SUB (ASB)		<0.001	<0.001	1.43	<0.001	<0.001	<0.001
Breakdown of Gravimetric Analysis*	-	SUB (ASB)		See Attached	See Attached	See Attached	See Attached	See Attached	See Attached

CERTIFICATE OF ANALYSIS

SDG:	120212-43	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD217
Job:	H_ATKINS_LDC-105	**Customer:**	Atkins Global Ltd	**Report Number:**	172470
Client Reference:	Weekly Samples	**Attention:**	Selina Bamforth	**Superseded Report:**	171247

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	WSTP037ATK01	WSTP037ATK02				
			Depth (m)	0.10	0.10				
			Sample Type	Soil/Solid	Soil/Solid				
			Date Sampled	-	-				
			Date Received	10/02/2012	10/02/2012				
			SDG Ref	120212-43	120212-43				
			Lab Sample No.(s)	5161413	5161415				
			AGS Reference						
Actinolite*	-	SUB (ASB)		Not Detected	Not Detected				
Amosite*	-	SUB (ASB)		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				
Total Mass %Asbestos*	<0.001 %	SUB (ASB)		<0.001	0.002				
Quantification, Phase Contrast Optical	<0.001 %	SUB (ASB)		<0.001	0.002				
Gravimetric Quantification*	<0.001 %	SUB (ASB)		<0.001	<0.001				
Breakdown of Gravimetric Analysis*	-	SUB (ASB)		See Attached	See Attached				

CERTIFICATE OF ANALYSIS

SDG:	120212-43	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD217
Job:	H_ATKINS_LDC-105	**Customer:**	Atkins Global Ltd	**Report Number:**	172470
Client Reference:	Weekly Samples	**Attention:**	Selina Bamforth	**Superseded Report:**	171247

Semi Volatile Organic Compounds

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DIME BASE 11	DIME BASE 12	DIME BASE 8B			
			Depth (m)	.	.	.			
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid			
			Date Sampled	-	-	-			
			Date Received	10/02/2012	10/02/2012	10/02/2012			
			SDG Ref	120212-43	120212-43	120212-43			
			Lab Sample No.(s)	5161404	5161405	5161403			
			AGS Reference						
Phenol	<100 µg/kg	TM157		<200	<500	<100			
Pentachlorophenol	<100 µg/kg	TM157		<200	<500	<100			
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<200	<500	<100			
Nitrobenzene	<100 µg/kg	TM157		<200	<500	<100			
Isophorone	<100 µg/kg	TM157		<200	<500	<100			
Hexachloroethane	<100 µg/kg	TM157		<200	<500	<100			
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<200	<500	<100			
Hexachlorobutadiene	<100 µg/kg	TM157		<200	<500	<100			
Hexachlorobenzene	<100 µg/kg	TM157		<200	<500	<100			
n-Dioctyl phthalate	<100 µg/kg	TM157		<200	<500	<100			
Dimethyl phthalate	<100 µg/kg	TM157		<200	<500	<100			
Diethyl phthalate	<100 µg/kg	TM157		<200	<500	<100			
n-Dibutyl phthalate	<100 µg/kg	TM157		<200	<500	<100			
Dibenzofuran	<100 µg/kg	TM157		<200	<500	<100			
Carbazole	<100 µg/kg	TM157		<200	<500	<100			
Butylbenzyl phthalate	<100 µg/kg	TM157		<200	<500	<100			
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		1800	709	304			
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<200	<500	<100			
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<200	<500	<100			
Azobenzene	<100 µg/kg	TM157		<200	<500	<100			
4-Nitrophenol	<100 µg/kg	TM157		<200	<500	<100			
4-Nitroaniline	<100 µg/kg	TM157		<200	<500	<100			
4-Methylphenol	<100 µg/kg	TM157		<200	<500	<100			
4-Chlorophenylphenylether	<100 µg/kg	TM157		<200	<500	<100			
4-Chloroaniline	<100 µg/kg	TM157		<200	<500	<100			
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<200	<500	<100			
4-Bromophenylphenylether	<100 µg/kg	TM157		<200	<500	<100			
3-Nitroaniline	<100 µg/kg	TM157		<200	<500	<100			
2-Nitrophenol	<100 µg/kg	TM157		<200	<500	<100			
2-Nitroaniline	<100 µg/kg	TM157		<200	<500	<100			
2-Methylphenol	<100 µg/kg	TM157		<200	<500	<100			
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<200	<500	<100			
2-Chlorophenol	<100 µg/kg	TM157		<200	<500	<100			
2,6-Dinitrotoluene	<100 µg/kg	TM157		<200	<500	<100			
2,4-Dinitrotoluene	<100 µg/kg	TM157		<200	<500	<100			

CERTIFICATE OF ANALYSIS

SDG:	120212-43	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD217
Job:	H_ATKINS_LDC-105	**Customer:**	Atkins Global Ltd	**Report Number:**	172470
Client Reference:	Weekly Samples	**Attention:**	Selina Bamforth	**Superseded Report:**	171247

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DIME BASE 11	DIME BASE 12	DIME BASE 8B			
			Depth (m)	.	.	.			
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid			
			Date Sampled	-	-	-			
			Date Received	10/02/2012	10/02/2012	10/02/2012			
			SDG Ref	120212-43	120212-43	120212-43			
			Lab Sample No.(s)	5161404	5161405	5161403			
			AGS Reference						
2,4-Dimethylphenol	<100 ug/kg	TM157		<200	<500	<100			
2,4-Dichlorophenol	<100 ug/kg	TM157		<200	<500	<100			
2,4,6-Trichlorophenol	<100 ug/kg	TM157		<200	<500	<100			
2,4,5-Trichlorophenol	<100 ug/kg	TM157		<200	<500	<100			
1,4-Dichlorobenzene	<100 ug/kg	TM157		<200	<500	<100			
1,3-Dichlorobenzene	<100 ug/kg	TM157		<200	<500	<100			
1,2-Dichlorobenzene	<100 ug/kg	TM157		<200	<500	<100			
2-Chloronaphthalene	<100 ug/kg	TM157		<200	<500	<100			
2-Methylnaphthalene	<100 ug/kg	TM157		1050	<500	122			
Acenaphthylene	<100 ug/kg	TM157		<200	<500	<100			
Acenaphthene	<100 ug/kg	TM157		<200	<500	<100			
Anthracene	<100 ug/kg	TM157		<200	<500	<100			
Benzo(a)anthracene	<100 ug/kg	TM157		620	855	<100			
Benzo(b)fluoranthene	<100 ug/kg	TM157		561	858	124			
Benzo(k)fluoranthene	<100 ug/kg	TM157		244	627	<100			
Benzo(a)pyrene	<100 ug/kg	TM157		496	901	<100			
Benzo(g,h,i)perylene	<100 ug/kg	TM157		343	674	<100			
Chrysene	<100 ug/kg	TM157		2280	1250	218			
Fluoranthene	<100 ug/kg	TM157		523	1240	208			
Fluorene	<100 ug/kg	TM157		<200	<500	<100			
Indeno(1,2,3-cd)pyrene	<100 ug/kg	TM157		<200	601	<100			
Phenanthrene	<100 ug/kg	TM157		676	<500	357			
Pyrene	<100 ug/kg	TM157		1390	1350	256			
Naphthalene	<100 ug/kg	TM157		299	<500	<100			
Dibenzo(a,h)anthracene	<100 ug/kg	TM157		<200	<500	<100			

CERTIFICATE OF ANALYSIS

SDG:	120212-43	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD217
Job:	H_ATKINS_LDC-105	**Customer:**	Atkins Global Ltd	**Report Number:**	172470
Client Reference:	Weekly Samples	**Attention:**	Selina Bamforth	**Superseded Report:**	171247

SVOC MS (W) - Aqueous

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	36'	DIME WT IN	DIME WT OUT	NSR IN	NSR OUT
			Depth (m)	.	.	.	.	.
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	-	-	-	-	-
			Date Received	10/02/2012	10/02/2012	10/02/2012	10/02/2012	10/02/2012
			SDG Ref	120212-43	120212-43	120212-43	120212-43	120212-43
			Lab Sample No.(s)	5161406	5161401	5161402	5161407	5161408
			AGS Reference					
1,2,4-Trichlorobenzene (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
1,2-Dichlorobenzene (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
1,3-Dichlorobenzene (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
1,4-Dichlorobenzene (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
2,4,5-Trichlorophenol (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
2,4,6-Trichlorophenol (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
2,4-Dichlorophenol (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
2,4-Dimethylphenol (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
2,4-Dinitrotoluene (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
2,6-Dinitrotoluene (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
2-Chloronaphthalene (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
2-Chlorophenol (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
2-Methylnaphthalene (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
2-Methylphenol (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
2-Nitroaniline (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
2-Nitrophenol (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
3-Nitroaniline (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
4-Bromophenylphenylether (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
4-Chloro-3-methylphenol (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
4-Chloroaniline (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
4-Chlorophenylphenylether (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
4-Methylphenol (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
4-Nitrophenol (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
4-Nitroaniline (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
Azobenzene (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
Acenaphthylene (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
Acenaphthene (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
Anthracene (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
bis(2-Chloroethyl)ether (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
bis(2-Chloroethoxy)methane (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
bis(2-Ethylhexyl) phthalate (aq)	<2 µg/l	TM176		<2	<8	<8	<2	<2
Benzo(a)anthracene (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
Butylbenzyl phthalate (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
Benzo(b)fluoranthene (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
Benzo(k)fluoranthene (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1

CERTIFICATE OF ANALYSIS

SDG:	120212-43	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD217
Job:	H_ATKINS_LDC-105	**Customer:**	Atkins Global Ltd	**Report Number:**	172470
Client Reference:	Weekly Samples	**Attention:**	Selina Bamforth	**Superseded Report:**	171247

SVOC MS (W) - Aqueous

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	36'	DIME WT IN	DIME WT OUT	NSR IN	NSR OUT
			Depth (m)	.	.	.	.	.
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	-	-	-	-	-
			Date Received	10/02/2012	10/02/2012	10/02/2012	10/02/2012	10/02/2012
			SDG Ref	120212-43	120212-43	120212-43	120212-43	120212-43
			Lab Sample No.(s)	5161406	5161401	5161402	5161407	5161408
			AGS Reference					
Benzo(a)pyrene (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
Benzo(g,h,i)perylene (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
Carbazole (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
Chrysene (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
Dibenzofuran (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
n-Dibutyl phthalate (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
Diethyl phthalate (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
Dibenzo(a,h)anthracene (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
Dimethyl phthalate (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
n-Dioctyl phthalate (aq)	<5 µg/l	TM176		<5	<20	<20	<5	<5
Fluoranthene (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
Fluorene (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
Hexachlorobenzene (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
Hexachlorobutadiene (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
Pentachlorophenol (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
Phenol (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
n-Nitroso-n-dipropylamine (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
Hexachloroethane (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
Nitrobenzene (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
Naphthalene (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
Isophorone (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
Hexachlorocyclopentadiene (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
Phenanthrene (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
Indeno(1,2,3-cd)pyrene (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1
Pyrene (aq)	<1 µg/l	TM176		<1	<4	<4	<1	<1

CERTIFICATE OF ANALYSIS

SDG:	120212-43	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD217
Job:	H_ATKINS_LDC-105	**Customer:**	Atkins Global Ltd	**Report Number:**	172470
Client Reference:	Weekly Samples	**Attention:**	Selina Bamforth	**Superseded Report:**	171247

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DIME BASE 11	DIME BASE 12	DIME BASE 8B			
			Depth (m)	.	.	.			
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid			
			Date Sampled	-	-	-			
			Date Received	10/02/2012	10/02/2012	10/02/2012			
			SDG Ref	120212-43	120212-43	120212-43			
			Lab Sample No.(s)	5161404	5161405	5161403			
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		29	39	84			
GRO >C5-C12	<44 µg/kg	TM089		6980	2620	3230			
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 #	<5 #	<5 #			
Benzene	<10 µg/kg	TM089		<10 M	15 M	<10 M			
Toluene	<2 µg/kg	TM089		<2 M	<2 M	8.19 M			
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	4.68 M			
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	19.9 M			
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M			
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	19.9			
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	32.8			
Aliphatics >C5-C6	<10 µg/kg	TM089		66.6	18.4	88.9			
Aliphatics >C6-C8	<10 µg/kg	TM089		1040	167	1070			
Aliphatics >C8-C10	<10 µg/kg	TM089		1830	574	457			
Aliphatics >C10-C12	<10 µg/kg	TM089		1690	877	758			
Aliphatics >C12-C16	<100 µg/kg	TM173		51800	33700	38100			
Aliphatics >C16-C21	<100 µg/kg	TM173		560000	293000	302000			
Aliphatics >C21-C35	<100 µg/kg	TM173		5700000	2940000	3000000			
Aliphatics >C35-C44	<100 µg/kg	TM173		1100000	623000	656000			
Total Aliphatics >C12-C44	<100 µg/kg	TM173		7410000	3890000	4000000			
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	15	<10			
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10			
Aromatics >EC8-EC10	<10 µg/kg	TM089		1220	383	330			
Aromatics >EC10-EC12	<10 µg/kg	TM089		1130	584	505			
Aromatics >EC12-EC16	<100 µg/kg	TM173		33500	19800	15400			
Aromatics >EC16-EC21	<100 µg/kg	TM173		356000	168000	113000			
Aromatics >EC21-EC35	<100 µg/kg	TM173		3470000	1520000	800000			
Aromatics >EC35-EC44	<100 µg/kg	TM173		1000000	472000	200000			
Aromatics >EC40-EC44	<100 µg/kg	TM173		373000	183000	82200			
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		4860000	2180000	1130000			
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		12300000	6070000	5130000			
Total Aliphatics >C5-35	<100 µg/kg	TM173		6320000	3270000	3340000			
Total Aromatics >C5-35	<100 µg/kg	TM173		3860000	1710000	929000			
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		10200000	4980000	4270000			

CERTIFICATE OF ANALYSIS

SDG:	120212-43	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD217
Job:	H_ATKINS_LDC-105	**Customer:**	Atkins Global Ltd	**Report Number:**	172470
Client Reference:	Weekly Samples	**Attention:**	Selina Bamforth	**Superseded Report:**	171247

TPH CWG (W)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	36'	NSR IN	NSR OUT			
			Depth (m)	.	.	.			
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)			
			Date Sampled	-	-	-			
			Date Received	10/02/2012	10/02/2012	10/02/2012			
			SDG Ref	120212-43	120212-43	120212-43			
			Lab Sample No.(s)	5161406	5161407	5161408			
			AGS Reference						
GRO Surrogate % recovery**	%	TM245		99	106	106			
GRO >C5-C12	<50 µg/l	TM245		<50 #	<50 #	<50 #			
Methyl tertiary butyl ether (MTBE)	<3 µg/l	TM245		<3 #	<3 #	<3 #			
Benzene	<7 µg/l	TM245		<7 #	<7 #	<7 #			
Toluene	<4 µg/l	TM245		<4 #	<4 #	<4 #			
Ethylbenzene	<5 µg/l	TM245		<5 #	<5 #	<5 #			
m,p-Xylene	<8 µg/l	TM245		<8 #	<8 #	<8 #			
o-Xylene	<3 µg/l	TM245		<3 #	<3 #	<3 #			
Sum of detected Xylenes	<11 µg/l	TM245		<11	<11	<11			
Sum of detected BTEX	<28 µg/l	TM245		<28	<28	<28			
Aliphatics >C5-C6	<10 µg/l	TM245		<10	<10	<10			
Aliphatics >C6-C8	<10 µg/l	TM245		<10	<10	<10			
Aliphatics >C8-C10	<10 µg/l	TM245		<10	<10	<10			
Aliphatics >C10-C12	<10 µg/l	TM245		<10	<10	<10			
Aliphatics >C12-C16 (aq)	<10 µg/l	TM174		<10	<10	<10			
Aliphatics >C16-C21 (aq)	<10 µg/l	TM174		<10	<10	<10			
Aliphatics >C21-C35 (aq)	<10 µg/l	TM174		<10	<10	<10			
Total Aliphatics >C12-C35 (aq)	<10 µg/l	TM174		<10	<10	<10			
Aromatics >EC5-EC7	<10 µg/l	TM245		<10	<10	<10			
Aromatics >EC7-EC8	<10 µg/l	TM245		<10	<10	<10			
Aromatics >EC8-EC10	<10 µg/l	TM245		<10	<10	<10			
Aromatics >EC10-EC12	<10 µg/l	TM245		<10	<10	<10			
Aromatics >EC12-EC16 (aq)	<10 µg/l	TM174		<10	<10	12			
Aromatics >EC16-EC21 (aq)	<10 µg/l	TM174		<10	<10	29			
Aromatics >EC21-EC35 (aq)	<10 µg/l	TM174		<10	<10	<10			
Total Aromatics >EC12-EC35 (aq)	<10 µg/l	TM174		<10	<10	41			
Total Aliphatics & Aromatics >C5-35 (aq)	<10 µg/l	TM174		13	<10	42			

CERTIFICATE OF ANALYSIS

SDG:	120212-43	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD217
Job:	H_ATKINS_LDC-105	**Customer:**	Atkins Global Ltd	**Report Number:**	172470
Client Reference:	Weekly Samples	**Attention:**	Selina Bamforth	**Superseded Report:**	171247

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DIME BASE 11	DIME BASE 12	DIME BASE 8B			
			Depth (m)	.	.	.			
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid			
			Date Sampled	-	-	-			
			Date Received	10/02/2012	10/02/2012	10/02/2012			
			SDG Ref	120212-43	120212-43	120212-43			
			Lab Sample No.(s)	5161404	5161405	5161403			
			AGS Reference						
Dibromofluoromethane**	%	TM116		74.6	79.3	102			
Toluene-d8**	%	TM116		67.4	75.1	97.9			
4-Bromofluorobenzene**	%	TM116		189	170	109			
Dichlorodifluoromethane	<4 µg/kg	TM116		<4 M	<4 M	<80 M			
Chloromethane	<7 µg/kg	TM116		<7	<7	<140			
Vinyl Chloride	<10 µg/kg	TM116		<10	<10	<200			
Bromomethane	<13 µg/kg	TM116		<13 M	<13 M	<260 M			
Chloroethane	<14 µg/kg	TM116		<14 M	<14 M	<280 M			
Trichlorofluorormethane	<6 µg/kg	TM116		11.6 M	20.1 M	<120 M			
1.1-Dichloroethene	<10 µg/kg	TM116		<10 #	<10 #	<200 #			
Carbon Disulphide	<7 µg/kg	TM116		83.8 M	61 M	<140 M			
Dichloromethane	<10 µg/kg	TM116		<10 #	17.5 #	737 #			
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<11 M	<11 M	<220 M			
trans-1-2-Dichloroethene	<11 µg/kg	TM116		<11 M	<11 M	<220 M			
1.1-Dichloroethane	<8 µg/kg	TM116		<8 M	<8 M	<160 M			
cis-1-2-Dichloroethene	<5 µg/kg	TM116		<5 M	<5 M	<100 M			
2.2-Dichloropropane	<12 µg/kg	TM116		<12 M	<12 M	<240 M			
Bromochloromethane	<14 µg/kg	TM116		<14 M	<14 M	<280 M			
Chloroform	<8 µg/kg	TM116		<8 M	<8 M	<160 M			
1.1.1-Trichloroethane	<7 µg/kg	TM116		<7 M	<7 M	<140 M			
1.1-Dichloropropene	<11 µg/kg	TM116		<11 M	<11 M	<220 M			
Carbontetrachloride	<14 µg/kg	TM116		<14 M	<14 M	<280 M			
1.2-Dichloroethane	<5 µg/kg	TM116		<5 M	139 M	6050 M			
Benzene	<9 µg/kg	TM116		10.7 M	84.1 M	<180 M			
Trichloroethene	<9 µg/kg	TM116		<9 M	<9 M	<180 M			
1.2-Dichloropropane	<12 µg/kg	TM116		<12 M	<12 M	<240 M			
Dibromomethane	<9 µg/kg	TM116		<9 M	<9 M	<180 M			
Bromodichloromethane	<7 µg/kg	TM116		<7 M	<7 M	<140 M			
cis-1-3-Dichloropropene	<14 µg/kg	TM116		<14 M	<14 M	<280 M			
Toluene	<5 µg/kg	TM116		8.41 M	11.4 M	<100 M			
trans-1-3-Dichloropropene	<14 µg/kg	TM116		<14	<14	<280			
1.1.2-Trichloroethane	<10 µg/kg	TM116		<10 M	<10 M	<200 M			
1.3-Dichloropropane	<7 µg/kg	TM116		<7 #	<7 #	<140 #			
Tetrachloroethene	<5 µg/kg	TM116		<5 M	<5 M	<100 M			
Dibromochloromethane	<13 µg/kg	TM116		<13 M	<13 M	<260 M			

CERTIFICATE OF ANALYSIS

SDG:	120212-43	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD217
Job:	H_ATKINS_LDC-105	**Customer:**	Atkins Global Ltd	**Report Number:**	172470
Client Reference:	Weekly Samples	**Attention:**	Selina Bamforth	**Superseded Report:**	171247

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DIME BASE 11	DIME BASE 12	DIME BASE 8B
			Depth (m)	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	-	-	-
			Date Received	10/02/2012	10/02/2012	10/02/2012
			SDG Ref	120212-43	120212-43	120212-43
			Lab Sample No.(s)	5161404	5161405	5161403
			AGS Reference			
1.2-Dibromoethane	<12 µg/kg	TM116		<12 M	<12 M	<240 M
Chlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<100 M
1.1.1.2-Tetrachloroethane	<10 µg/kg	TM116		<10 M	<10 M	<200 M
Ethylbenzene	<4 µg/kg	TM116		35.8 M	8.51 M	<80 M
p/m-Xylene	<14 µg/kg	TM116		101 #	22.5 #	<280 #
o-Xylene	<10 µg/kg	TM116		110 M	15.6 M	<200 M
Styrene	<10 µg/kg	TM116		<10 M	<10 M	<200 M
Bromoform	<10 µg/kg	TM116		<10 M	<10 M	<200 M
Isopropylbenzene	<5 µg/kg	TM116		32 M	<5 M	<100 M
1.1.2.2-Tetrachloroethane	<10 µg/kg	TM116		<10 #	<10 #	<200 #
1.2.3-Trichloropropane	<17 µg/kg	TM116		<17 M	<17 M	<340 M
Bromobenzene	<10 µg/kg	TM116		<10 M	<10 M	<200 M
Propylbenzene	<11 µg/kg	TM116		62.3 M	<11 M	<220 M
2-Chlorotoluene	<9 µg/kg	TM116		<9 M	<9 M	<180 M
1.3.5-Trimethylbenzene	<8 µg/kg	TM116		248 #	35 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<12 M	<12 M	<240 M
tert-Butylbenzene	<12 µg/kg	TM116		<12 #	<12 #	<240 #
1.2.4-Trimethylbenzene	<9 µg/kg	TM116		1090 #	50.4 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		189 M	<10 M	<200 M
4-Isopropyltoluene	<11 µg/kg	TM116		331 M	<11 M	<220 M
1.3-Dichlorobenzene	<6 µg/kg	TM116		<6 M	<6 M	<120 M
1.4-Dichlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<100 M
n-Butylbenzene	<10 µg/kg	TM116		<10 M	<10 M	<200 M
1.2-Dichlorobenzene	<12 µg/kg	TM116		<12 M	<12 M	<240 M
1.2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<14 M	<14 M	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<15	<15	<300
1.2.4-Trichlorobenzene	<6 µg/kg	TM116		<6 #	<6 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<12	<12	<240
Naphthalene	<13 µg/kg	TM116		<13 M	<13 M	<260 M
1.2.3-Trichlorobenzene	<6 µg/kg	TM116		<6 M	<6 M	<120 M

CERTIFICATE OF ANALYSIS

SDG:	120212-43	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD217
Job:	H_ATKINS_LDC-105	**Customer:**	Atkins Global Ltd	**Report Number:**	172470
Client Reference:	Weekly Samples	**Attention:**	Selina Bamforth	**Superseded Report:**	171247

VOC MS (W)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	36'	DIME WT IN	DIME WT OUT	NSR IN	NSR OUT
			Depth (m)	.	.	.	.	.
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	-	-	-	-	-
			Date Received	10/02/2012	10/02/2012	10/02/2012	10/02/2012	10/02/2012
			SDG Ref	120212-43	120212-43	120212-43	120212-43	120212-43
			Lab Sample No.(s)	5161406	5161401	5161402	5161407	5161408
			AGS Reference					
Dibromofluoromethane**	%	TM208		111	109	108	108	109
Toluene-d8**	%	TM208		99.5	97.6	98	99.5	98.4
4-Bromofluorobenzene**	%	TM208		95.5	98.3	97.8	99.6	95.9
Dichlorodifluoromethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Chloromethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Vinyl chloride	<1 µg/l	TM208		<1 #	14 #	5.87 #	<1 #	<1 #
Bromomethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Chloroethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Trichlorofluoromethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
1,1-Dichloroethene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Carbon disulphide	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Dichloromethane	<3 µg/l	TM208		<3 #	680 #	499 #	<3 #	<3 #
Methyl tertiary butyl ether (MTBE)	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
trans-1,2-Dichloroethene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
1,1-Dichloroethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
cis-1,2-Dichloroethene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
2,2-Dichloropropane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Bromochloromethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Chloroform	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
1,1,1-Trichloroethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
1,1-Dichloropropene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Carbontetrachloride	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
1,2-Dichloroethane	<1 µg/l	TM208		<1	970	635	<1	<1
Benzene	<1 µg/l	TM208		<1 #	1.95 #	<1 #	<1 #	<1 #
Trichloroethene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
1,2-Dichloropropane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Dibromomethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Bromodichloromethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
cis-1,3-Dichloropropene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Toluene	<1 µg/l	TM208		<1 #	1.43 #	<1 #	<1 #	<1 #
trans-1,3-Dichloropropene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
1,1,2-Trichloroethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
1,3-Dichloropropane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Tetrachloroethene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Dibromochloromethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #

CERTIFICATE OF ANALYSIS

SDG:	120212-43	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD217
Job:	H_ATKINS_LDC-105	**Customer:**	Atkins Global Ltd	**Report Number:**	172470
Client Reference:	Weekly Samples	**Attention:**	Selina Bamforth	**Superseded Report:**	171247

VOC MS (W)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	36'	DIME WT IN	DIME WT OUT	NSR IN	NSR OUT
			Depth (m)	.	.	.	.	.
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	-	-	-	-	-
			Date Received	10/02/2012	10/02/2012	10/02/2012	10/02/2012	10/02/2012
			SDG Ref	120212-43	120212-43	120212-43	120212-43	120212-43
			Lab Sample No.(s)	5161406	5161401	5161402	5161407	5161408
			AGS Reference					
1,2-Dibromoethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Chlorobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
1,1,1,2-Tetrachloroethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Ethylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
m,p-Xylene	<1 µg/l	TM208		<1 #	2.73 #	<1 #	<1 #	<1 #
o-Xylene	<1 µg/l	TM208		<1 #	2.25 #	<1 #	<1 #	<1 #
Styrene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Bromoform	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Isopropylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
1,1,2,2-Tetrachloroethane	<1 µg/l	TM208		<1	<1	<1	<1	<1
1,2,3-Trichloropropane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Bromobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Propylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
2-Chlorotoluene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
1,3,5-Trimethylbenzene	<1 µg/l	TM208		<1 #	1.57 #	<1 #	<1 #	<1 #
4-Chlorotoluene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
tert-Butylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
1,2,4-Trimethylbenzene	<1 µg/l	TM208		<1 #	2.37 #	<1 #	<1 #	<1 #
sec-Butylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
4-iso-Propyltoluene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
1,3-Dichlorobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
1,4-Dichlorobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
n-Butylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
1,2-Dichlorobenzene	<1 µg/l	TM208		<1	<1	<1	<1	<1
1,2-Dibromo-3-chloropropane	<1 µg/l	TM208		<1	<1	<1	<1	<1
1,2,4-Trichlorobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Hexachlorobutadiene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
tert-Amyl methyl ether (TAME)	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Naphthalene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
1,2,3-Trichlorobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
1,3,5-Trichlorobenzene	<1 µg/l	TM208		<1	<1	<1	<1	<1

CERTIFICATE OF ANALYSIS

SDG:	120212-43	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD217
Job:	H_ATKINS_LDC-105	**Customer:**	Atkins Global Ltd	**Report Number:**	172470
Client Reference:	Weekly Samples	**Attention:**	Selina Bamforth	**Superseded Report:**	171247

Asbestos Identification - Soil

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Customer Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	WSMW049ATK01 NS Z 0.20 SOLID 120212-43 5,161,409 TM048	16/02/12	Paul Poynton	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Customer Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	WSMW049ATK02 NS Z 0.20 SOLID 120212-43 5,161,410 TM048	16/02/12	Kevin Bowron	Loose Fibres in Soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Customer Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	WSTP024ATK01 NS Z 0.40 SOLID 120212-43 5,161,418 TM048	16/02/12	Paul Poynton	Loose fibres and lagging material in soil	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Customer Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	WSTP024ATK02 NS Z 0.40 SOLID 120212-43 5,161,419 TM048	16/02/12	Paul Poynton	Loose fibres, asbestos cement debris and asbestos lagging material debris in soil	Trace (#)	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Customer Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	WSTP036ATK01 NS Z 0.20 SOLID 120212-43 5,161,411 TM048	16/02/12	Martin Cotterell	Loose fibres and asbestos cement debris in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	120212-43	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD217
Job:	H_ATKINS_LDC-105	**Customer:**	Atkins Global Ltd	**Report Number:**	172470
Client Reference:	Weekly Samples	**Attention:**	Selina Bamforth	**Superseded Report:**	171247

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Customer Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	WSTP036ATK02 NS Z 0.30 SOLID 120212-43 5,161,412 TM048	16/02/12	Paul Poynton	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Customer Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	WSTP037ATK01 NS Z 0.10 SOLID 120212-43 5,161,413 TM048	16/02/12	Kevin Bowron	Loose Fibres in Soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Customer Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	WSTP037ATK02 NS Z 0.10 SOLID 120212-43 5,161,415 TM048	16/02/12	Kevin Bowron	Loose Fibres in Soil	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Customer Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	WSTP08SATK01 NS Z 0.40 SOLID 120212-43 5,161,416 TM048	16/02/12	Martin Cotterell	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Customer Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	WSTP08SATK02 NS Z 0.40 SOLID 120212-43 5,161,417 TM048	16/02/12	Kevin Bowron	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	120212-43	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD217
Job:	H_ATKINS_LDC-105	**Customer:**	Atkins Global Ltd	**Report Number:**	172470
Client Reference:	Weekly Samples	**Attention:**	Selina Bamforth	**Superseded Report:**	171247

Notification of Deviating Samples

Sample Number	Customer Sample Ref.	Depth (m)	Matrix	Test Name	Component Name	Comment
5161476	NSR IN		LIQUID	BOD True Total	BOD, unfiltered	Sample holding time exceeded
5161478	36'		LIQUID	BOD True Total	BOD, unfiltered	Sample holding time exceeded
5164154	36'		LIQUID	Anions by Kone (w)	Nitrite as NO2	Sample holding time exceeded
5164183	NSR IN		LIQUID	Anions by Kone (w)	Nitrite as NO2	Sample holding time exceeded
5164244	NSR OUT		LIQUID	Anions by Kone (w)	Nitrite as NO2	Sample holding time exceeded
5164281	NSR OUT		LIQUID	BOD True Total	BOD, unfiltered	Sample holding time exceeded

Note : Test results may be compromised

CERTIFICATE OF ANALYSIS

SDG:	120212-43	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD217
Job:	H_ATKINS_LDC-105	**Customer:**	Atkins Global Ltd	**Report Number:**	172470
Client Reference:	Weekly Samples	**Attention:**	Selina Bamforth	**Superseded Report:**	171247

Table of Results - Appendix

Method No	Reference	Description	Wet/Dry Sample [1]	Surrogate Corrected
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)				
TM022	Method 2540D, AWWA/APHA, 20th Ed., 1999 / BS 2690: Part120 1981;BS EN 872	Determination of total suspended solids in waters		
TM045	MEWAM BOD5 2nd Ed.HMSO 1988 / Method 5210B, AWWA/APHA, 20th Ed., 1999; SCA Blue Book 130	Determination of BOD5 (ATU) Filtered by Oxygen Meter on liquids		
TM048	HSG 248, Asbestos: The analysts' guide for sampling, analysis and clearance procedures	Identification of Asbestos in Bulk Material		
TM061	Method for the Determination of EPH,Massachusetts Dept.of EP, 1998	Determination of Extractable Petroleum Hydrocarbons by GC-FID (C10-C40)		
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)		
TM099	BS 2690: Part 7:1968 / BS 6068: Part2.11:1984	Determination of Ammonium in Water Samples using the Kone Analyser		
TM107	ISO 6060-1989	Determination of Chemical Oxygen Demand using COD Dr Lange Kit		
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS		
TM120	Method 2510B, AWWA/APHA, 20th Ed., 1999 / BS 2690: Part 9:1970	Determination of Electrical Conductivity using a Conductivity Meter		
TM133	BS 1377: Part 3 1990;BS 6068-2.5	Determination of pH in Soil and Water using the GLpH pH Meter		
TM152	Method 3125B, AWWA/APHA, 20th Ed., 1999	Analysis of Aqueous Samples by ICP-MS		
TM157	HP 6890 Gas Chromatograph (GC) system and HP 5973 Mass Selective Detector (MSD).	Determination of SVOC in Soils by GC-MS extracted by sonication in DCM/Acetone		
TM173	Analysis of Petroleum Hydrocarbons in Environmental Media – Total Petroleum Hydrocarbon Criteria	Determination of Speciated Extractable Petroleum Hydrocarbons in Soils by GC-FID		
TM174	Analysis of Petroleum Hydrocarbons in Environmental Media – Total Petroleum Hydrocarbon Criteria	Determination of Speciated Extractable Petroleum Hydrocarbons in Waters by GC-FID		
TM176	EPA 8270D Semi-Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	Determination of SVOCs in Water by GCMS		
TM181	US EPA Method 6010B	Determination of Routine Metals in Soil by iCap 6500 Duo ICP-OES		
TM184	EPA Methods 325.1 & 325.2,	The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers		
TM208	Modified: US EPA Method 8260b & 624	Determination of Volatile Organic Compounds by Headspace / GC-MS in Waters		
TM245	By GC-FID	Determination of GRO by Headspace in waters		
TM256	The measurement of Electrical Conductivity and the Laboratory determination of pH Value of Natural, Treated and Wastewaters. HMSO, 1978. ISBN 011 751428 4.	Determination of pH in Water and Leachate using the GLpH pH Meter		

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

CERTIFICATE OF ANALYSIS

SDG:	120212-43	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD217
Job:	H_ATKINS_LDC-105	**Customer:**	Atkins Global Ltd	**Report Number:**	172470
Client Reference:	Weekly Samples	**Attention:**	Selina Bamforth	**Superseded Report:**	171247

Test Completion Dates

Lab Sample No(s)	5161406	5161404	5161405	5161403	5161401	5161402	5161407	5161408	5161409	5161410
Customer Sample Ref.	36'	DIME BASE 11	DIME BASE 12	DIME BASE 8B	DIME WT IN	DIME WT OUT	NSR IN	NSR OUT	WSMW049ATK01	WSMW049ATK02
AGS Ref.										
Depth									0.20	0.20
Type	LIQUID	SOLID	SOLID	SOLID	LIQUID	LIQUID	LIQUID	LIQUID	SOLID	SOLID
Ammoniacal Nitrogen	14-Feb-2012						14-Feb-2012	14-Feb-2012		
Anions by Kone (w)	14-Feb-2012						14-Feb-2012	14-Feb-2012		
Asbestos Identification (Soil)									16-Feb-2012	16-Feb-2012
Asbestos Prep									17-Feb-2012	17-Feb-2012
Asbestos Quantification Low*									29-Feb-2012	29-Feb-2012
BOD True Total	17-Feb-2012						17-Feb-2012	19-Feb-2012		
COD Unfiltered	15-Feb-2012						15-Feb-2012	15-Feb-2012		
Conductivity (at 20 deg.C)	14-Feb-2012						14-Feb-2012	14-Feb-2012		
Dissolved Metals by ICP-MS	15-Feb-2012						15-Feb-2012	15-Feb-2012		
EPH CWG (Aliphatic) Aqueous GC (W)	15-Feb-2012						15-Feb-2012	15-Feb-2012		
EPH CWG (Aliphatic) GC (S)		17-Feb-2012	17-Feb-2012	17-Feb-2012						
EPH CWG (Aromatic) Aqueous GC (W)	15-Feb-2012						15-Feb-2012	15-Feb-2012		
EPH CWG (Aromatic) GC (S)		17-Feb-2012	17-Feb-2012	17-Feb-2012						
GRO by GC-FID (S)		16-Feb-2012	16-Feb-2012	16-Feb-2012						
GRO by GC-FID (W)	15-Feb-2012						15-Feb-2012	15-Feb-2012		
Metals by iCap-OES (Soil)		17-Feb-2012	17-Feb-2012	17-Feb-2012						
pH		15-Feb-2012	15-Feb-2012	15-Feb-2012						
pH Value	14-Feb-2012						14-Feb-2012	14-Feb-2012		
Sample description		13-Feb-2012	13-Feb-2012	13-Feb-2012						
Semi Volatile Organic Compounds		16-Feb-2012	16-Feb-2012	16-Feb-2012						
Suspended Solids	16-Feb-2012						16-Feb-2012	16-Feb-2012		
SVOC MS (W) - Aqueous	16-Feb-2012				16-Feb-2012	16-Feb-2012	16-Feb-2012	16-Feb-2012		
TPH CWG (W)	15-Feb-2012						15-Feb-2012	15-Feb-2012		
TPH CWG GC (S)		17-Feb-2012	17-Feb-2012	17-Feb-2012						
VOC MS (S)		17-Feb-2012	17-Feb-2012	17-Feb-2012						
VOC MS (W)	15-Feb-2012				16-Feb-2012	16-Feb-2012	15-Feb-2012	15-Feb-2012		

Lab Sample No(s)	5161418	5161419	5161411	5161412	5161413	5161415	5161416	5161417
Customer Sample Ref.	WSTP024ATK01	WSTP024ATK02	WSTP036ATK01	WSTP036ATK02	WSTP037ATK01	WSTP037ATK02	WSTP08SATK01	WSTP08SATK02
AGS Ref.								
Depth	0.40	0.40	0.20	0.30	0.10	0.10	0.40	0.40
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos Identification (Soil)	16-Feb-2012	16-Feb-2012	16-Feb-2012	16-Feb-2012	16-Feb-2012	16-Feb-2012	16-Feb-2012	16-Feb-2012
Asbestos Prep	17-Feb-2012	17-Feb-2012	17-Feb-2012	17-Feb-2012	17-Feb-2012	17-Feb-2012		
Asbestos Quantification Low*	29-Feb-2012	29-Feb-2012	29-Feb-2012	29-Feb-2012	29-Feb-2012	29-Feb-2012		

Certificate of Analysis

2139

Date: 29/02/2012

Certificate Number: 12-59655

Client:	Alcontrol Laboratories Units 7 & 8 Hawarden Business Park Manor Road Hawarden Deeside CH5 3US
Our Reference:	12-59655
Client Reference:	120212-43
Contract Title:	120212-43
Description:	8 soil samples
Date Received:	21 February 2012
Date Started:	21 February 2012
Date Completed:	29 February 2012
Test Procedures:	Asbestos Analysis (DETS 082)
Notes:	Observations and interpretations are outside the scope of UKAS accreditation
Approved By:	Paul Woodbridge, Senior Operations Manager

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. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.

Information in Support of the Analytical Results

Analysis

Inorganic soil analysis was carried out on a dried sample, crushed to pass a 425um sieve, in accordance with BS1377.
Organic soil analysis was carried out on an 'as received' sample.

Key

*	Denotes test not included in laboratory scope of accreditation
#	Denotes test that holds MCERTS accreditation, however, MCERTS accreditation is only implied if the report carries the MCERTS logo
$	Denotes tests completed by an approved subcontractor
I/S	Denotes insufficient sample to carry out test
U/S	Denotes that the sample is not suitable for testing

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

Summary of Asbestos Analysis
Soil Samples

Our Ref: 12-59655
Client Ref: 120212-43
Contract Title: 120212-43

Lab No	Sample Ref	Material Type*	Result	Comment	Analyst
390832	5202739	Soil	Chrysotile	loose bundle	Colin Patrick
390833	5202745	Soil	Chrysotile	loose bundle	Colin Patrick
390834	5202754	Soil	Chrysotile	loose bundle	Colin Patrick
390835	5202793	Soil	Chrysotile	loose bundle	Colin Patrick
390836	5202805	Soil	Chrysotile Amosite	loose fribres	Colin Patrick
390837	5202809	Soil	Amosite	loose bundle	Colin Patrick
390838	5202814	Soil	Chrysotile	loose bundle	Colin Patrick
390839	5202815	Soil	Amosite	loose bundle	Colin Patrick

Crocidolite = Blue Asbestos, Amosite = Brown Asbestos, Chrysotile = White Asbestos. NAD = No Asbestos Detected. Anthophyllite, Actinolite and Tremolite are other forms of Asbestos. Samples are analysed by DETS 082 using polarised light microscopy in accordance with HSG248 and documented in-house methods. 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'.

Summary of Asbestos Analysis
Soil Samples

Our Ref: 12-59655

Client Ref: 120212-43

Contract Title: 120212-43

		Lab No.	390832	390833	390834	390835
		Sample Ref	5202739	5202745	5202754	5202793
		Depth				
		Other Ref				
		Sample Type	Soil	Soil	Soil	Soil
Test	**Units**	**DETSxx**				
Asbestos ID		**DETS 082**	**Amosite, Chrysotile**	**Chrysotile**	**Chrysotile**	**Chrysotile**
Total Mass% Asbestos (i+ii)	Mass %		**<0.001**	**1.430**	**0.002**	**<0.001**
Quantification by Phase Contrast Optical Microscopy (i)	Mass %	DETSC 1102	<0.001	0.003	0.002	<0.001
Gravimetric Quantification (ii)	Mass %	DETSC 1102	na	1.427	na	na
Breakdown of Gravimetric Analysis						
Mass of Sample	g		421.48	222.84	541.27	514.76
ACMs present*				Insulation		
Mass of ACM in sample	g			3.74		
% ACM by mass	%			1.679		
% asbestos in ACM	%			85		
% asbestos in sample	%			1.427		

* Denotes test or material description outside of UKAS accreditation.

% asbestos in Asbestos Containing Materials (ACMs) is determined by reference to HSG 264.

Recommended sample size for quantification is approximately 1kg

# denotes deviating sample

Summary of Asbestos Analysis
Soil Samples

Our Ref: 12-59655

Client Ref: 120212-43

Contract Title: 120212-43

		Lab No.	390836	390837	390838	390839
		Sample Ref	5202805	5202809	5202814	5202815
		Depth				
		Other Ref				
		Sample Type	Soil	Soil	Soil	Soil
Test	**Units**	**DETSxx**				
Asbestos ID		**DETS 082**	**Amosite, Chrysotile**	**Amosite**	**Chrysotile**	**Amosite**
Total Mass% Asbestos (i+ii)	Mass %		**<0.001**	**<0.001**	**<0.001**	**<0.001**
Quantification by Phase Contrast Optical Microscopy (i)	Mass %	DETSC 1102	<0.001	<0.001	<0.001	<0.001
Gravimetric Quantification (ii)	Mass %	DETSC 1102	na	na	na	na
Breakdown of Gravimetric Analysis						
Mass of Sample	g		555.48	560.65	556.15	379.23
ACMs present*						
Mass of ACM in sample	g					
% ACM by mass	%					
% asbestos in ACM	%					
% asbestos in sample	%					

* Denotes test or material description outside of UKAS accreditation.

% asbestos in Asbestos Containing Materials (ACMs) is determined by reference to HSG 264.

Recommended sample size for quantification is approximately 1kg

# denotes deviating sample

SDG:	120212-43	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD217
Job:	H_ATKINS_LDC-105	**Customer:**	Atkins Global Ltd	**Report Number:**	172470
Client Reference:	Weekly Samples	**Attention:**	Selina Bamforth	**Superseded Report:**	171247

Appendix

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 2 months after the analysis date. All bulk samples will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALcontrol Laboratories reserve the right to charge for samples received and stored but not analysed.

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

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

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

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

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

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

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

11. Results relate only to the items tested.

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

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

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

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

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

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

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

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

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

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

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

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

SOLID MATRICES EXTRACTION SUMMARY

ANALYSIS	D&C OR WET	EXTRACTION SOLVENT	EXTRACTION METHOD	ANALYSIS
SOLVENT EXTRACTABLE MATTER	D&C	DCM	SOXTHERM	GRAVIMETRIC
CYCLOHEXANE EXT. MATTER	D&C	CYCLOHEXANE	SOXTHERM	GRAVIMETRIC
ELEMENTAL SULPHUR	D&C	DCM	SOXTHERM	HPLC
PHENOLS BY GCMS	WET	DCM	SOXTHERM	GC-MS
HERBICIDES	D&C	HEXANE:ACETONE	SOXTHERM	GC-MS
PESTICIDES	D&C	HEXANE:ACETONE	SOXTHERM	GC-MS
EPH (DRO)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH (MIN OIL)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH (CLEANED UP)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH CWG BY GC	D&C	HEXANE:ACETONE	END OVER END	GC-FID
PCB AROCLOR 1254 / PCB CON	D&C	HEXANE:ACETONE	END OVER END	GC-MS
POLYAROMATIC HYDROCARBONS (MS)	WET	HEXANE:ACETONE	MICROWAVE TM218.	GC-MS
>C6-C40	WET	HEXANE:ACETONE	SHAKER	GC-FID
POLYAROMATIC HYDROCARBONS RAPID GC	WET	HEXANE:ACETONE	SHAKER	GC-FID
SEMI VOLATILE ORGANIC COMPOUNDS	WET	DCM:ACETONE	SONICATE	GC-MS

LIQUID MATRICES EXTRACTION SUMMARY

ANALYSIS	EXTRACTION SOLVENT	EXTRACTION METHOD	ANALYSIS
PAH MS	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC MS
EPH	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
EPH CWG	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
MINERAL OIL	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
PCB 7 CONGENERS	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC MS
PCB AROCLOR 1254	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC MS
SVOC	DCM	LIQUID/LIQUID SHAKE	GC MS
FREE SULPHUR	DCM	SOLID PHASE EXTRACTION	HPLC
PESTOC PCP P	DCM	LIQUID/LIQUID SHAKE	GC MS
TRIAZINE HERBS	DCM	LIQUID/LIQUID SHAKE	GC MS
PHENOLS MS	ACETONE	SOLID PHASE EXTRACTION	GC MS
TPH by INFRARED (IR)	TCE	STIRRED EXTRACTION (STIR-BAR)	IR
MINERAL OIL by IR	TCE	STIRRED EXTRACTION (STIR-BAR)	IR
GLYCOLS	NONE	DIRECT INJECTION	GC FID

Identification of Asbestos in Bulk Materials & Soils

The results for identification of asbestos in bulk materials are obtained from supplied bulk materials or those identified as potentially asbestos containing during sample description 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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Website: www.alcontrol.com

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

Attention: Selina Bamforth

CERTIFICATE OF ANALYSIS

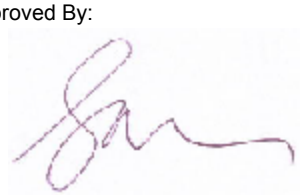
Date:	07 February 2012
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	120131-39
Your Reference:	DiME water samples
Location:	Coed Darcy Urban Village
Report No:	169862

We received 11 samples on Saturday January 28, 2012 and 11 of these samples were scheduled for analysis which was completed on Tuesday February 07, 2012. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

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

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

Approved By:



Sonia McWhan

Operations Manager

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CERTIFICATE OF ANALYSIS

SDG:	120131-39	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0214
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	169862
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
5096035	DIME BASE 10			27/01/2012
5096027	DIME BASE 3			27/01/2012
5096028	DIME BASE 4			27/01/2012
5096029	DIME BASE 5			27/01/2012
5096030	DIME BASE 6			27/01/2012
5096032	DIME BASE 7			27/01/2012
5096033	DIME BASE 8			27/01/2012
5096034	DIME BASE 9			27/01/2012
5096036	DIME DNAPL			27/01/2012
5096037	DIME WT IN			27/01/2012
5096038	DIME WT OUT			27/01/2012

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

CERTIFICATE OF ANALYSIS

SDG:	120131-39	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0214
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	169862
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

LIQUID

Results Legend

X **Test**

N **No Determination Possible**

			Lab Sample No(s)	5096037	5096038
			Customer Sample Reference	DIME WT IN	DIME WT OUT
			AGS Reference		
			Depth (m)		
			Container	Vial (ALE297)	Vial (ALE297)
SVOC MS (W) - Aqueous	All	NDPs: 0 Tests: 2		X	X
VOC MS (W)	All	NDPs: 0 Tests: 2		X	X

CERTIFICATE OF ANALYSIS

SDG:	120131-39	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0214
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	169862
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

PRODUCT

Results Legend

X **Test**

N **No Determination Possible**

PRODUCT			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container	
			5096036	DIME DNAPL			1l green glass bottle	Vial (ALE297)
Dissolved Metals by ICP-MS	All	NDPs: 0 Tests: 1					X	
EPH CWG (Aliphatic) Aqueous GC (W)	All	NDPs: 0 Tests: 1					X	
EPH CWG (Aromatic) Aqueous GC (W)	All	NDPs: 0 Tests: 1					X	
GRO by GC-FID (W)	All	NDPs: 1 Tests: 1					N	X
Mercury Dissolved	All	NDPs: 0 Tests: 1					X	
pH Value	All	NDPs: 0 Tests: 1					X	
SVOC MS (W) - Aqueous	All	NDPs: 0 Tests: 1					X	
TPH CWG (W)	All	NDPs: 0 Tests: 1					X	
VOC MS (W)	All	NDPs: 1 Tests: 0					N	
Whole Oil Fingerprint	All	NDPs: 0 Tests: 1						X

CERTIFICATE OF ANALYSIS

SDG:	120131-39	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0214
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	169862
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

SOLID

Results Legend

X **Test**

N **No Determination Possible**

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
			5096027	DIME BASE 3			250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			5096028	DIME BASE 4			250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			5096029	DIME BASE 5			250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			5096030	DIME BASE 6			250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			5096032	DIME BASE 7			250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			5096033	DIME BASE 8			250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			5096034	DIME BASE 9			250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			5096035	DIME BASE 10			250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 8		X		X		X		X		X		X		X		X		X		X
Metals by iCap-OES (Soil)	Arsenic	NDPs: 0 Tests: 8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Cadmium	NDPs: 0 Tests: 8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Chromium	NDPs: 0 Tests: 8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Copper	NDPs: 0 Tests: 8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Lead	NDPs: 0 Tests: 8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Mercury	NDPs: 0 Tests: 8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Nickel	NDPs: 0 Tests: 8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Selenium	NDPs: 0 Tests: 8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Vanadium	NDPs: 0 Tests: 8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Zinc	NDPs: 0 Tests: 8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
pH	All	NDPs: 0 Tests: 8		X		X		X		X		X		X		X		X		X		X
Sample description	All	NDPs: 0 Tests: 8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

CERTIFICATE OF ANALYSIS

SDG:	120131-39	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0214
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	169862
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

SOLID

Results Legend

X **Test**

N **No Determination Possible**

		Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
		5096027	DIME BASE 3			250g Amber Jar (AL
						400g Tub (ALE214)
						60g VOC (ALE215)
		5096028	DIME BASE 4			250g Amber Jar (AL
						400g Tub (ALE214)
						60g VOC (ALE215)
		5096029	DIME BASE 5			250g Amber Jar (AL
						400g Tub (ALE214)
						60g VOC (ALE215)
		5096030	DIME BASE 6			250g Amber Jar (AL
						400g Tub (ALE214)
						60g VOC (ALE215)
		5096032	DIME BASE 7			250g Amber Jar (AL
						400g Tub (ALE214)
						60g VOC (ALE215)
		5096033	DIME BASE 8			250g Amber Jar (AL
						400g Tub (ALE214)
						60g VOC (ALE215)
		5096034	DIME BASE 9			250g Amber Jar (AL
						400g Tub (ALE214)
						60g VOC (ALE215)
		5096035	DIME BASE 10			250g Amber Jar (AL
						400g Tub (ALE214)
						60g VOC (ALE215)
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 8	X	X	X	X	X	X	X
TPH CWG GC (S)	All	NDPs: 0 Tests: 8	X	X	X	X	X	X	X
VOC MS (S)	All	NDPs: 0 Tests: 8	X	X	X	X	X	X	X

CERTIFICATE OF ANALYSIS

SDG:	120131-39	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0214
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	169862
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**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
5096027	DIME BASE 3		Dark Brown	Loamy Sand	0.063 - 0.1 mm	Stones	None
5096028	DIME BASE 4		Dark Brown	Sandy Clay Loam	0.063 - 0.1 mm	Stones	None
5096029	DIME BASE 5		Dark Brown	Loamy Sand	0.063 - 0.1 mm	Stones	None
5096030	DIME BASE 6		Light Brown	Loamy Sand	<0.063 mm	Stones	None
5096032	DIME BASE 7		Dark Brown	Sandy Loam	0.063 - 0.1 mm	Stones	None
5096033	DIME BASE 8		Dark Brown	Sandy Loam	0.063 - 0.1 mm	Stones	None
5096034	DIME BASE 9		Dark Brown	Sandy Loam	0.063 - 0.1 mm	Stones	None
5096035	DIME BASE 10		Dark Brown	Sandy Clay Loam	0.063 - 0.1 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:	120131-39	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0214
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	169862
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DIME BASE 3	DIME BASE 4	DIME BASE 5	DIME BASE 6	DIME BASE 7	DIME BASE 8
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	27/01/2012	27/01/2012	27/01/2012	27/01/2012	27/01/2012	27/01/2012
			Date Received	28/01/2012	28/01/2012	28/01/2012	28/01/2012	28/01/2012	28/01/2012
			SDG Ref	120131-39	120131-39	120131-39	120131-39	120131-39	120131-39
			Lab Sample No.(s)	5096027	5096028	5096029	5096030	5096032	5096033
			AGS Reference						
pH	1 pH Units	TM133		9.24 M	7.35 M	9.44 M	9.56 M	9.78 M	9.51 M
Arsenic	<0.6 mg/kg	TM181		5.6 M	7 M	7.44 M	7.7 M	7.75 M	9.02 M
Cadmium	<0.02 mg/kg	TM181		0.336 M	0.581 M	0.475 M	0.612 M	0.595 M	0.544 M
Chromium	<0.9 mg/kg	TM181		10.2 M	11.5 M	12.1 M	11.4 M	10.9 M	11.4 M
Copper	<1.4 mg/kg	TM181		7.71 M	9.44 M	16.2 M	10.5 M	29 M	21.9 M
Lead	<0.7 mg/kg	TM181		12.1 M	10.4 M	135 M	13 M	39.6 M	37.3 M
Mercury	<0.14 mg/kg	TM181		<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
Nickel	<0.2 mg/kg	TM181		14.6 M	21.5 M	15.5 M	17.3 M	15.7 M	16 M
Selenium	<1 mg/kg	TM181		1.33 #	<1 #	1.24 #	<1 #	<1 #	1.08 #
Vanadium	<0.2 mg/kg	TM181		8.71 #	10.7 #	13.4 #	12 #	12 #	12.6 #
Zinc	<1.9 mg/kg	TM181		55 M	48.3 M	102 M	58.7 M	94.1 M	134 M

CERTIFICATE OF ANALYSIS

SDG:	120131-39	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0214
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	169862
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DIME BASE 9	DIME BASE 10	DIME DNAPL			
			Depth (m)	.	.	.			
			Sample Type	Soil/Solid	Soil/Solid	Product			
			Date Sampled	27/01/2012	27/01/2012	27/01/2012			
			Date Received	28/01/2012	28/01/2012	28/01/2012			
			SDG Ref	120131-39	120131-39	120131-39			
			Lab Sample No.(s)	5096034	5096035	5096036			
			AGS Reference						
See Attached	-	TM059				NDP			
Arsenic (diss.filt)	<0.12 µg/l	TM152				6.34 #			
Cadmium (diss.filt)	<0.1 µg/l	TM152				<0.1 #			
Chromium (diss.filt)	<0.22 µg/l	TM152				<0.22 #			
Copper (diss.filt)	<0.85 µg/l	TM152				<0.85 #			
Lead (diss.filt)	<0.02 µg/l	TM152				<0.02 #			
Nickel (diss.filt)	<0.15 µg/l	TM152				3.17 #			
Selenium (diss.filt)	<0.39 µg/l	TM152				6.82 #			
Vanadium (diss.filt)	<0.24 µg/l	TM152				9.28 #			
Zinc (diss.filt)	<0.41 µg/l	TM152				<0.41 #			
Mercury (diss.filt)	<0.01 µg/l	TM183				<0.01 #			
pH	<1 pH Units	TM256				9.96 #			
pH	1 pH Units	TM133		8.29 M	5.78 M				
Arsenic	<0.6 mg/kg	TM181		9.61 M	7.31 M				
Cadmium	<0.02 mg/kg	TM181		0.771 M	0.594 M				
Chromium	<0.9 mg/kg	TM181		14 M	11.3 M				
Copper	<1.4 mg/kg	TM181		11.6 M	10 M				
Lead	<0.7 mg/kg	TM181		14 M	11.2 M				
Mercury	<0.14 mg/kg	TM181		<0.14	<0.14				
Nickel	<0.2 mg/kg	TM181		25.6 M	20.8 M				
Selenium	<1 mg/kg	TM181		1.33 #	<1 #				
Vanadium	<0.2 mg/kg	TM181		15.5 #	11.4 #				
Zinc	<1.9 mg/kg	TM181		79.2 M	53.1 M				

CERTIFICATE OF ANALYSIS

SDG:	120131-39	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0214
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	169862
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DIME BASE 3	DIME BASE 4	DIME BASE 5	DIME BASE 6	DIME BASE 7	DIME BASE 8
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	27/01/2012	27/01/2012	27/01/2012	27/01/2012	27/01/2012	27/01/2012
			Date Received	28/01/2012	28/01/2012	28/01/2012	28/01/2012	28/01/2012	28/01/2012
			SDG Ref	120131-39	120131-39	120131-39	120131-39	120131-39	120131-39
			Lab Sample No.(s)	5096027	5096028	5096029	5096030	5096032	5096033
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	120131-39	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0214
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	169862
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DIME BASE 3	DIME BASE 4	DIME BASE 5	DIME BASE 6	DIME BASE 7	DIME BASE 8
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	27/01/2012	27/01/2012	27/01/2012	27/01/2012	27/01/2012	27/01/2012
			Date Received	28/01/2012	28/01/2012	28/01/2012	28/01/2012	28/01/2012	28/01/2012
			SDG Ref	120131-39	120131-39	120131-39	120131-39	120131-39	120131-39
			Lab Sample No.(s)	5096027	5096028	5096029	5096030	5096032	5096033
			AGS Reference						
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		151	<100	<100	<100	124	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Benzo(b)fluoranthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Benzo(a)pyrene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Chrysene	<100 µg/kg	TM157		144	<100	<100	<100	<100	<100
Fluoranthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Fluorene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Phenanthrene	<100 µg/kg	TM157		122	<100	<100	<100	202	136
Pyrene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Naphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	120131-39	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0214
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	169862
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DIME BASE 9	DIME BASE 10				
			Depth (m)	.	.				
			Sample Type	Soil/Solid	Soil/Solid				
			Date Sampled	27/01/2012	27/01/2012				
			Date Received	28/01/2012	28/01/2012				
			SDG Ref	120131-39	120131-39				
			Lab Sample No.(s)	5096034	5096035				
			AGS Reference						
Phenol	<100 ug/kg	TM157		<100	<100				
Pentachlorophenol	<100 ug/kg	TM157		<100	<100				
n-Nitroso-n-dipropylamine	<100 ug/kg	TM157		<100	<100				
Nitrobenzene	<100 ug/kg	TM157		<100	<100				
Isophorone	<100 ug/kg	TM157		<100	<100				
Hexachloroethane	<100 ug/kg	TM157		<100	<100				
Hexachlorocyclopentadiene	<100 ug/kg	TM157		<100	<100				
Hexachlorobutadiene	<100 ug/kg	TM157		<100	<100				
Hexachlorobenzene	<100 ug/kg	TM157		<100	<100				
n-Dioctyl phthalate	<100 ug/kg	TM157		<100	<100				
Dimethyl phthalate	<100 ug/kg	TM157		<100	<100				
Diethyl phthalate	<100 ug/kg	TM157		<100	<100				
n-Dibutyl phthalate	<100 ug/kg	TM157		<100	<100				
Dibenzofuran	<100 ug/kg	TM157		<100	<100				
Carbazole	<100 ug/kg	TM157		<100	<100				
Butylbenzyl phthalate	<100 ug/kg	TM157		<100	<100				
bis(2-Ethylhexyl) phthalate	<100 ug/kg	TM157		<100	<100				
bis(2-Chloroethoxy)methane	<100 ug/kg	TM157		<100	<100				
bis(2-Chloroethyl)ether	<100 ug/kg	TM157		<100	<100				
Azobenzene	<100 ug/kg	TM157		<100	<100				
4-Nitrophenol	<100 ug/kg	TM157		<100	<100				
4-Nitroaniline	<100 ug/kg	TM157		<100	<100				
4-Methylphenol	<100 ug/kg	TM157		<100	<100				
4-Chlorophenylphenylether	<100 ug/kg	TM157		<100	<100				
4-Chloroaniline	<100 ug/kg	TM157		<100	<100				
4-Chloro-3-methylphenol	<100 ug/kg	TM157		<100	<100				
4-Bromophenylphenylether	<100 ug/kg	TM157		<100	<100				
3-Nitroaniline	<100 ug/kg	TM157		<100	<100				
2-Nitrophenol	<100 ug/kg	TM157		<100	<100				
2-Nitroaniline	<100 ug/kg	TM157		<100	<100				
2-Methylphenol	<100 ug/kg	TM157		<100	<100				
1,2,4-Trichlorobenzene	<100 ug/kg	TM157		<100	<100				
2-Chlorophenol	<100 ug/kg	TM157		<100	<100				
2,6-Dinitrotoluene	<100 ug/kg	TM157		<100	<100				
2,4-Dinitrotoluene	<100 ug/kg	TM157		<100	<100				

CERTIFICATE OF ANALYSIS

SDG:	120131-39	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0214
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	169862
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
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**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
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Component	LOD/Units	Method	Customer Sample R	DIME BASE 9	DIME BASE 10				
			Depth (m)	.	.				
			Sample Type	Soil/Solid	Soil/Solid				
			Date Sampled	27/01/2012	27/01/2012				
			Date Received	28/01/2012	28/01/2012				
			SDG Ref	120131-39	120131-39				
			Lab Sample No.(s)	5096034	5096035				
			AGS Reference						
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100				
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100				
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100				
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100				
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100				
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100				
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100				
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100				
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100				
Acenaphthylene	<100 µg/kg	TM157		<100	<100				
Acenaphthene	<100 µg/kg	TM157		<100	<100				
Anthracene	<100 µg/kg	TM157		<100	<100				
Benzo(a)anthracene	<100 µg/kg	TM157		<100	<100				
Benzo(b)fluoranthene	<100 µg/kg	TM157		<100	<100				
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	<100				
Benzo(a)pyrene	<100 µg/kg	TM157		<100	<100				
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	<100				
Chrysene	<100 µg/kg	TM157		236	<100				
Fluoranthene	<100 µg/kg	TM157		<100	<100				
Fluorene	<100 µg/kg	TM157		142	<100				
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	<100				
Phenanthrene	<100 µg/kg	TM157		394	<100				
Pyrene	<100 µg/kg	TM157		228	<100				
Naphthalene	<100 µg/kg	TM157		<100	<100				
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100				

CERTIFICATE OF ANALYSIS

SDG:	120131-39	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0214
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	169862
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

SVOC MS (W) - Aqueous

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DIME DNAPL	DIME WT IN	DIME WT OUT			
			Depth (m)	.	.	.			
			Sample Type	Product	Water(GW/SW)	Water(GW/SW)			
			Date Sampled	27/01/2012	27/01/2012	27/01/2012			
			Date Received	28/01/2012	28/01/2012	28/01/2012			
			SDG Ref	120131-39	120131-39	120131-39			
			Lab Sample No.(s)	5096036	5096037	5096038			
			AGS Reference						
1,2,4-Trichlorobenzene (aq)	<1 µg/l	TM176			<1	<1			
1,2-Dichlorobenzene (aq)	<1 µg/l	TM176			<1	<1			
1,3-Dichlorobenzene (aq)	<1 µg/l	TM176			<1	<1			
1,4-Dichlorobenzene (aq)	<1 µg/l	TM176			<1	<1			
2,4,5-Trichlorophenol (aq)	<1 µg/l	TM176			<1	<1			
2,4,6-Trichlorophenol (aq)	<1 µg/l	TM176			<1	<1			
2,4-Dichlorophenol (aq)	<1 µg/l	TM176			<1	<1			
2,4-Dimethylphenol (aq)	<1 µg/l	TM176			<1	<1			
2,4-Dinitrotoluene (aq)	<1 µg/l	TM176			<1	<1			
2,6-Dinitrotoluene (aq)	<1 µg/l	TM176			<1	<1			
2-Chloronaphthalene (aq)	<1 µg/l	TM176			<1	<1			
2-Chlorophenol (aq)	<1 µg/l	TM176			<1	<1			
2-Methylnaphthalene (aq)	<1 µg/l	TM176			<1	<1			
2-Methylphenol (aq)	<1 µg/l	TM176			<1	<1			
2-Nitroaniline (aq)	<1 µg/l	TM176			<1	<1			
2-Nitrophenol (aq)	<1 µg/l	TM176			<1	<1			
3-Nitroaniline (aq)	<1 µg/l	TM176			<1	<1			
4-Bromophenylphenylether (aq)	<1 µg/l	TM176			<1	<1			
4-Chloro-3-methylphenol (aq)	<1 µg/l	TM176			<1	<1			
4-Chloroaniline (aq)	<1 µg/l	TM176			<1	<1			
4-Chlorophenylphenylether (aq)	<1 µg/l	TM176			<1	<1			
4-Methylphenol (aq)	<1 µg/l	TM176			<1	<1			
4-Nitrophenol (aq)	<1 µg/l	TM176			<1	<1			
4-Nitroaniline (aq)	<1 µg/l	TM176			<1	<1			
Azobenzene (aq)	<1 µg/l	TM176			<1	<1			
Acenaphthylene (aq)	<1 µg/l	TM176			<1	<1			
Acenaphthene (aq)	<1 µg/l	TM176			<1	<1			
Anthracene (aq)	<1 µg/l	TM176			<1	<1			
bis(2-Chloroethyl)ether (aq)	<1 µg/l	TM176			<1	<1			
bis(2-Chloroethoxy)methane (aq)	<1 µg/l	TM176			<1	<1			
bis(2-Ethylhexyl) phthalate (aq)	<2 µg/l	TM176			2.84	<2			
Benzo(a)anthracene (aq)	<1 µg/l	TM176			<1	<1			
Butylbenzyl phthalate (aq)	<1 µg/l	TM176			<1	<1			
Benzo(b)fluoranthene (aq)	<1 µg/l	TM176			<1	<1			
Benzo(k)fluoranthene (aq)	<1 µg/l	TM176			<1	<1			

CERTIFICATE OF ANALYSIS

SDG:	120131-39	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0214
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	169862
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

SVOC MS (W) - Aqueous

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DIME DNAPL	DIME WT IN	DIME WT OUT			
			Depth (m)	.	.	.			
			Sample Type	Product	Water(GW/SW)	Water(GW/SW)			
			Date Sampled	27/01/2012	27/01/2012	27/01/2012			
			Date Received	28/01/2012	28/01/2012	28/01/2012			
			SDG Ref	120131-39	120131-39	120131-39			
			Lab Sample No.(s)	5096036	5096037	5096038			
			AGS Reference						
Benzo(a)pyrene (aq)	<1 µg/l	TM176			<1	<1			
Benzo(g,h,i)perylene (aq)	<1 µg/l	TM176			<1	<1			
Carbazole (aq)	<1 µg/l	TM176			<1	<1			
Chrysene (aq)	<1 µg/l	TM176			<1	<1			
Dibenzofuran (aq)	<1 µg/l	TM176			<1	<1			
n-Dibutyl phthalate (aq)	<1 µg/l	TM176			2.11	1.92			
Diethyl phthalate (aq)	<1 µg/l	TM176			<1	<1			
Dibenzo(a,h)anthracene (aq)	<1 µg/l	TM176			<1	<1			
Dimethyl phthalate (aq)	<1 µg/l	TM176			<1	<1			
n-Dioctyl phthalate (aq)	<5 µg/l	TM176			<5	<5			
Fluoranthene (aq)	<1 µg/l	TM176			<1	<1			
Fluorene (aq)	<1 µg/l	TM176			<1	<1			
Hexachlorobenzene (aq)	<1 µg/l	TM176			<1	<1			
Hexachlorobutadiene (aq)	<1 µg/l	TM176			<1	<1			
Pentachlorophenol (aq)	<1 µg/l	TM176			<1	<1			
Phenol (aq)	<1 µg/l	TM176			<1	<1			
n-Nitroso-n-dipropylamine (aq)	<1 µg/l	TM176			<1	<1			
Hexachloroethane (aq)	<1 µg/l	TM176			<1	<1			
Nitrobenzene (aq)	<1 µg/l	TM176			<1	<1			
Naphthalene (aq)	<1 µg/l	TM176			1.45	<1			
Isophorone (aq)	<1 µg/l	TM176			<1	<1			
Hexachlorocyclopentadiene (aq)	<1 µg/l	TM176			<1	<1			
Phenanthrene (aq)	<1 µg/l	TM176			<1	<1			
Indeno(1,2,3-cd)pyrene (aq)	<1 µg/l	TM176			<1	<1			
Pyrene (aq)	<1 µg/l	TM176			<1	<1			
1,2,4-Trichlorobenzene (aq)	<1 µg/l	TM176		<10					
1,2-Dichlorobenzene (aq)	<1 µg/l	TM176		<10					
1,3-Dichlorobenzene (aq)	<1 µg/l	TM176		<10					
1,4-Dichlorobenzene (aq)	<1 µg/l	TM176		<10					
2,4,5-Trichlorophenol (aq)	<1 µg/l	TM176		<10					
2,4,6-Trichlorophenol (aq)	<1 µg/l	TM176		<10					
2,4-Dichlorophenol (aq)	<1 µg/l	TM176		<10					
2,4-Dimethylphenol (aq)	<1 µg/l	TM176		<10					
2,4-Dinitrotoluene (aq)	<1 µg/l	TM176		<10					
2,6-Dinitrotoluene (aq)	<1 µg/l	TM176		<10					

CERTIFICATE OF ANALYSIS

SDG:	120131-39	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0214
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	169862
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

SVOC MS (W) - Aqueous

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DIME DNAPL	DIME WT IN	DIME WT OUT			
			Depth (m)	.	.	.			
			Sample Type	Product	Water(GW/SW)	Water(GW/SW)			
			Date Sampled	27/01/2012	27/01/2012	27/01/2012			
			Date Received	28/01/2012	28/01/2012	28/01/2012			
			SDG Ref	120131-39	120131-39	120131-39			
			Lab Sample No.(s)	5096036	5096037	5096038			
			AGS Reference						
2-Chloronaphthalene (aq)	<1 µg/l	TM176		<10					
2-Chlorophenol (aq)	<1 µg/l	TM176		<10					
2-Methylnaphthalene (aq)	<1 µg/l	TM176		372					
2-Methylphenol (aq)	<1 µg/l	TM176		<10					
2-Nitroaniline (aq)	<1 µg/l	TM176		<10					
2-Nitrophenol (aq)	<1 µg/l	TM176		<10					
3-Nitroaniline (aq)	<1 µg/l	TM176		<10					
4-Bromophenylphenylether (aq)	<1 µg/l	TM176		<10					
4-Chloro-3-methylphenol (aq)	<1 µg/l	TM176		<10					
4-Chloroaniline (aq)	<1 µg/l	TM176		<10					
4-Chlorophenylphenylether (aq)	<1 µg/l	TM176		<10					
4-Methylphenol (aq)	<1 µg/l	TM176		<10					
4-Nitrophenol (aq)	<1 µg/l	TM176		<10					
4-Nitroaniline (aq)	<1 µg/l	TM176		<10					
Azobenzene (aq)	<1 µg/l	TM176		<10					
Acenaphthylene (aq)	<1 µg/l	TM176		<10					
Acenaphthene (aq)	<1 µg/l	TM176		12.2					
Anthracene (aq)	<1 µg/l	TM176		<10					
bis(2-Chloroethyl)ether (aq)	<1 µg/l	TM176		<10					
bis(2-Chloroethoxy)methane (aq)	<1 µg/l	TM176		<10					
bis(2-Ethylhexyl) phthalate (aq)	<2 µg/l	TM176		<20					
Benzo(a)anthracene (aq)	<1 µg/l	TM176		<10					
Butylbenzyl phthalate (aq)	<1 µg/l	TM176		78.3					
Benzo(b)fluoranthene (aq)	<1 µg/l	TM176		<10					
Benzo(k)fluoranthene (aq)	<1 µg/l	TM176		<10					
Benzo(a)pyrene (aq)	<1 µg/l	TM176		<10					
Benzo(g,h,i)perylene (aq)	<1 µg/l	TM176		<10					
Carbazole (aq)	<1 µg/l	TM176		<10					
Chrysene (aq)	<1 µg/l	TM176		<10					
Dibenzofuran (aq)	<1 µg/l	TM176		<10					
n-Dibutyl phthalate (aq)	<1 µg/l	TM176		<10					
Diethyl phthalate (aq)	<1 µg/l	TM176		<10					
Dibenzo(a,h)anthracene (aq)	<1 µg/l	TM176		<10					
Dimethyl phthalate (aq)	<1 µg/l	TM176		<10					
n-Dioctyl phthalate (aq)	<5 µg/l	TM176		<50					

CERTIFICATE OF ANALYSIS

SDG:	120131-39	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0214
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	169862
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

SVOC MS (W) - Aqueous

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DIME DNAPL	DIME WT IN	DIME WT OUT			
			Depth (m)	.	.	.			
			Sample Type	Product	Water(GW/SW)	Water(GW/SW)			
			Date Sampled	27/01/2012	27/01/2012	27/01/2012			
			Date Received	28/01/2012	28/01/2012	28/01/2012			
			SDG Ref	120131-39	120131-39	120131-39			
			Lab Sample No.(s)	5096036	5096037	5096038			
			AGS Reference						
Fluoranthene (aq)	<1 µg/l	TM176		<10					
Fluorene (aq)	<1 µg/l	TM176		13.2					
Hexachlorobenzene (aq)	<1 µg/l	TM176		<10					
Hexachlorobutadiene (aq)	<1 µg/l	TM176		<10					
Pentachlorophenol (aq)	<1 µg/l	TM176		<10					
Phenol (aq)	<1 µg/l	TM176		<10					
n-Nitroso-n-dipropylamine (aq)	<1 µg/l	TM176		<10					
Hexachloroethane (aq)	<1 µg/l	TM176		<10					
Nitrobenzene (aq)	<1 µg/l	TM176		<10					
Naphthalene (aq)	<1 µg/l	TM176		162					
Isophorone (aq)	<1 µg/l	TM176		<10					
Hexachlorocyclopentadiene (aq)	<1 µg/l	TM176		<10					
Phenanthrene (aq)	<1 µg/l	TM176		105					
Indeno(1,2,3-cd)pyrene (aq)	<1 µg/l	TM176		<10					
Pyrene (aq)	<1 µg/l	TM176		87.3					

CERTIFICATE OF ANALYSIS

SDG:	120131-39	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0214
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	169862
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DIME BASE 3	DIME BASE 4	DIME BASE 5	DIME BASE 6	DIME BASE 7	DIME BASE 8
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	27/01/2012	27/01/2012	27/01/2012	27/01/2012	27/01/2012	27/01/2012
			Date Received	28/01/2012	28/01/2012	28/01/2012	28/01/2012	28/01/2012	28/01/2012
			SDG Ref	120131-39	120131-39	120131-39	120131-39	120131-39	120131-39
			Lab Sample No.(s)	5096027	5096028	5096029	5096030	5096032	5096033
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		55	125	74	83	57	53
GRO >C5-C12	<44 µg/kg	TM089		9880	298	2930	6620	4120	2390
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	3.26 M	<2 M	<2 M	10.5 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	3.26 M	<3 M	<3 M	15.2 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	44.5 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	7.6 M	<3 M	<3 M	39.8 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	84.3	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	<24	110	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		168	29.3	146	185	140	138
Aliphatics >C6-C8	<10 µg/kg	TM089		1720	73.8	855	1400	1090	782
Aliphatics >C8-C10	<10 µg/kg	TM089		2910	38	495	1340	611	384
Aliphatics >C10-C12	<10 µg/kg	TM089		1890	67.3	662	1680	1060	498
Aliphatics >C12-C16	<100 µg/kg	TM173		25200	5970	19200	85900	73500	42100
Aliphatics >C16-C21	<100 µg/kg	TM173		93400	9980	103000	500000	473000	330000
Aliphatics >C21-C35	<100 µg/kg	TM173		734000	80300	1970000	1680000	2310000	2560000
Aliphatics >C35-C44	<100 µg/kg	TM173		118000	10700	400000	149000	326000	436000
Total Aliphatics >C12-C44	<100 µg/kg	TM173		971000	107000	2490000	2420000	3180000	3370000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	10.5	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		1940	40.2	331	896	505	256
Aromatics >EC10-EC12	<10 µg/kg	TM089		1260	44.5	441	1120	706	332
Aromatics >EC12-EC16	<100 µg/kg	TM173		19100	11800	8700	42800	34800	18000
Aromatics >EC16-EC21	<100 µg/kg	TM173		60500	106000	55600	282000	249000	160000
Aromatics >EC21-EC35	<100 µg/kg	TM173		442000	<100	764000	888000	1130000	1040000
Aromatics >EC35-EC44	<100 µg/kg	TM173		98300	19900	201000	91200	172000	200000
Aromatics >EC40-EC44	<100 µg/kg	TM173		38500	8900	79700	34700	62300	83300
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		620000	138000	1030000	1300000	1580000	1410000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		1600000	245000	3520000	3730000	4770000	4790000
Total Aliphatics >C5-35	<100 µg/kg	TM173		860000	96500	2090000	2270000	2860000	2940000
Total Aromatics >C5-35	<100 µg/kg	TM173		525000	118000	829000	1210000	1410000	1210000
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		1380000	214000	2920000	3490000	4270000	4150000

CERTIFICATE OF ANALYSIS

SDG:	120131-39	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0214
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	169862
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DIME BASE 9	DIME BASE 10				
			Depth (m)	.	.				
			Sample Type	Soil/Solid	Soil/Solid				
			Date Sampled	27/01/2012	27/01/2012				
			Date Received	28/01/2012	28/01/2012				
			SDG Ref	120131-39	120131-39				
			Lab Sample No.(s)	5096034	5096035				
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		50	153				
GRO >C5-C12	<44 µg/kg	TM089		1280	2030				
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 #	<5 #				
Benzene	<10 µg/kg	TM089		<10 M	<10 M				
Toluene	<2 µg/kg	TM089		3.39 M	3.36 M				
Ethylbenzene	<3 µg/kg	TM089		<3 M	3.36 M				
m,p-Xylene	<6 µg/kg	TM089		13.6 M	13.4 M				
o-Xylene	<3 µg/kg	TM089		9.04 M	7.84 M				
sum of detected mpo xylene by GC	<9 µg/kg	TM089		22.6	21.2				
sum of detected BTEX by GC	<24 µg/kg	TM089		26	27.9				
Aliphatics >C5-C6	<10 µg/kg	TM089		33.9	34.7				
Aliphatics >C6-C8	<10 µg/kg	TM089		219	1730				
Aliphatics >C8-C10	<10 µg/kg	TM089		190	60.5				
Aliphatics >C10-C12	<10 µg/kg	TM089		411	79.5				
Aliphatics >C12-C16	<100 µg/kg	TM173		86800	6960				
Aliphatics >C16-C21	<100 µg/kg	TM173		783000	14700				
Aliphatics >C21-C35	<100 µg/kg	TM173		1850000	58600				
Aliphatics >C35-C44	<100 µg/kg	TM173		104000	23600				
Total Aliphatics >C12-C44	<100 µg/kg	TM173		2830000	104000				
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10				
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10				
Aromatics >EC8-EC10	<10 µg/kg	TM089		149	65				
Aromatics >EC10-EC12	<10 µg/kg	TM089		273	52.6				
Aromatics >EC12-EC16	<100 µg/kg	TM173		53200	2400				
Aromatics >EC16-EC21	<100 µg/kg	TM173		536000	8610				
Aromatics >EC21-EC35	<100 µg/kg	TM173		1300000	34800				
Aromatics >EC35-EC44	<100 µg/kg	TM173		82000	23200				
Aromatics >EC40-EC44	<100 µg/kg	TM173		29900	11400				
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		1970000	69000				
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		4800000	175000				
Total Aliphatics >C5-35	<100 µg/kg	TM173		2720000	82200				
Total Aromatics >C5-35	<100 µg/kg	TM173		1890000	45900				
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		4610000	128000				

CERTIFICATE OF ANALYSIS

SDG:	120131-39	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0214
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	169862
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

TPH CWG (W)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DIME DNAPL
			Depth (m)	.
			Sample Type	Product
			Date Sampled	27/01/2012
			Date Received	28/01/2012
			SDG Ref	120131-39
			Lab Sample No.(s)	5096036
			AGS Reference	
GRO Surrogate % recovery**	%	TM245		7
GRO >C5-C12	<50 µg/l	TM245		272000 #
Methyl tertiary butyl ether (MTBE)	<3 µg/l	TM245		<15 #
Benzene	<7 µg/l	TM245		<35 #
Toluene	<4 µg/l	TM245		670 #
Ethylbenzene	<5 µg/l	TM245		1070 #
m,p-Xylene	<8 µg/l	TM245		4870 #
o-Xylene	<3 µg/l	TM245		1790 #
Sum of detected Xylenes	<11 µg/l	TM245		6660
Sum of detected BTEX	<28 µg/l	TM245		8400
Aliphatics >C5-C6	<10 µg/l	TM245		90200
Aliphatics >C6-C8	<10 µg/l	TM245		129000
Aliphatics >C8-C10	<10 µg/l	TM245		13800
Aliphatics >C10-C12	<10 µg/l	TM245		12900
Aliphatics >C12-C16 (aq)	<10 µg/l	TM174		62
Aliphatics >C16-C21 (aq)	<10 µg/l	TM174		230
Aliphatics >C21-C35 (aq)	<10 µg/l	TM174		2990
Total Aliphatics >C12-C35 (aq)	<10 µg/l	TM174		3280
Aromatics >EC5-EC7	<10 µg/l	TM245		<50
Aromatics >EC7-EC8	<10 µg/l	TM245		670
Aromatics >EC8-EC10	<10 µg/l	TM245		16900
Aromatics >EC10-EC12	<10 µg/l	TM245		8600
Aromatics >EC12-EC16 (aq)	<10 µg/l	TM174		211
Aromatics >EC16-EC21 (aq)	<10 µg/l	TM174		895
Aromatics >EC21-EC35 (aq)	<10 µg/l	TM174		8290
Total Aromatics >EC12-EC35 (aq)	<10 µg/l	TM174		9390
Total Aliphatics & Aromatics >C5-35 (aq)	<10 µg/l	TM174		285000

CERTIFICATE OF ANALYSIS

SDG:	120131-39	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0214
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	169862
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DIME BASE 3	DIME BASE 4	DIME BASE 5	DIME BASE 6	DIME BASE 7	DIME BASE 8
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	27/01/2012	27/01/2012	27/01/2012	27/01/2012	27/01/2012	27/01/2012
			Date Received	28/01/2012	28/01/2012	28/01/2012	28/01/2012	28/01/2012	28/01/2012
			SDG Ref	120131-39	120131-39	120131-39	120131-39	120131-39	120131-39
			Lab Sample No.(s)	5096027	5096028	5096029	5096030	5096032	5096033
			AGS Reference						
Dibromofluoromethane**	%	TM116		105 §	104 §	105 §	106 §	108 §	106 §
Toluene-d8**	%	TM116		101 §	99.4 §	98.1 §	95.6 §	98.8 §	97.4 §
4-Bromofluorobenzene**	%	TM116		112 §	120 §	112 §	128 §	109 §	120 §
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 § M	<4 § M	<80 § M	<8 § M	<80 § M	<80 § M
Chloromethane	<7 µg/kg	TM116		<140 § #	<7 § #	<140 § #	<14 § #	<140 § #	<140 § #
Vinyl Chloride	<10 µg/kg	TM116		<200 § #	<10 § #	<200 § #	<20 § #	<200 § #	<200 § #
Bromomethane	<13 µg/kg	TM116		<260 § M	<13 § M	<260 § M	<26 § M	<260 § M	<260 § M
Chloroethane	<14 µg/kg	TM116		<280 § M	<14 § M	<280 § M	<28 § M	<280 § M	<280 § M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 § M	<6 § M	<120 § M	<12 § M	<120 § M	<120 § M
1.1-Dichloroethene	<10 µg/kg	TM116		<200 § #	<10 § #	<200 § #	<20 § #	<200 § #	<200 § #
Carbon Disulphide	<7 µg/kg	TM116		<140 § M	<7 § M	<140 § M	30.2 § M	206 § M	<140 § M
Dichloromethane	<10 µg/kg	TM116		<200 § #	<10 § #	1350 § #	944 § #	1720 § #	3980 § #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 § M	<11 § M	<220 § M	<22 § M	<220 § M	<220 § M
trans-1-2-Dichloroethene	<11 µg/kg	TM116		<220 § M	<11 § M	<220 § M	<22 § M	<220 § M	<220 § M
1.1-Dichloroethane	<8 µg/kg	TM116		<160 § M	<8 § M	<160 § M	<16 § M	<160 § M	<160 § M
cis-1-2-Dichloroethene	<5 µg/kg	TM116		<100 § M	<5 § M	<100 § M	<10 § M	<100 § M	<100 § M
2.2-Dichloropropane	<12 µg/kg	TM116		<240 § M	<12 § M	<240 § M	<24 § M	<240 § M	<240 § M
Bromochloromethane	<14 µg/kg	TM116		<280 § M	<14 § M	<280 § M	<28 § M	<280 § M	<280 § M
Chloroform	<8 µg/kg	TM116		<160 § M	<8 § M	<160 § M	<16 § M	<160 § M	<160 § M
1.1.1-Trichloroethane	<7 µg/kg	TM116		<140 § M	<7 § M	<140 § M	<14 § M	<140 § M	<140 § M
1.1-Dichloropropene	<11 µg/kg	TM116		<220 § M	<11 § M	<220 § M	<22 § M	<220 § M	<220 § M
Carbontetrachloride	<14 µg/kg	TM116		<280 § M	<14 § M	<280 § M	<28 § M	<280 § M	<280 § M
1.2-Dichloroethane	<5 µg/kg	TM116		435 § M	191 § M	3280 § M	1690 § M	5060 § M	10200 § M
Benzene	<9 µg/kg	TM116		<180 § M	<9 § M	<180 § M	<18 § M	<180 § M	<180 § M
Trichloroethene	<9 µg/kg	TM116		<180 § M	<9 § M	<180 § M	<18 § M	<180 § M	<180 § M
1.2-Dichloropropane	<12 µg/kg	TM116		<240 § M	<12 § M	<240 § M	<24 § M	<240 § M	<240 § M
Dibromomethane	<9 µg/kg	TM116		<180 § M	<9 § M	<180 § M	<18 § M	<180 § M	<180 § M
Bromodichloromethane	<7 µg/kg	TM116		<140 § M	<7 § M	<140 § M	<14 § M	<140 § M	<140 § M
cis-1-3-Dichloropropene	<14 µg/kg	TM116		<280 § M	<14 § M	<280 § M	<28 § M	<280 § M	<280 § M
Toluene	<5 µg/kg	TM116		<100 § M	7.81 § M	<100 § M	<10 § M	<100 § M	<100 § M
trans-1-3-Dichloropropene	<14 µg/kg	TM116		<280 §	<14 §	<280 §	<28 §	<280 §	<280 §
1.1.2-Trichloroethane	<10 µg/kg	TM116		<200 § M	<10 § M	<200 § M	<20 § M	<200 § M	<200 § M
1.3-Dichloropropane	<7 µg/kg	TM116		<140 § #	<7 § #	<140 § #	<14 § #	<140 § #	<140 § #
Tetrachloroethene	<5 µg/kg	TM116		<100 § M	<5 § M	<100 § M	<10 § M	<100 § M	<100 § M
Dibromochloromethane	<13 µg/kg	TM116		<260 § M	<13 § M	<260 § M	<26 § M	<260 § M	<260 § M

CERTIFICATE OF ANALYSIS

SDG:	120131-39	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0214
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	169862
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DIME BASE 3	DIME BASE 4	DIME BASE 5	DIME BASE 6	DIME BASE 7	DIME BASE 8
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	27/01/2012	27/01/2012	27/01/2012	27/01/2012	27/01/2012	27/01/2012
			Date Received	28/01/2012	28/01/2012	28/01/2012	28/01/2012	28/01/2012	28/01/2012
			SDG Ref	120131-39	120131-39	120131-39	120131-39	120131-39	120131-39
			Lab Sample No.(s)	5096027	5096028	5096029	5096030	5096032	5096033
			AGS Reference						
1.2-Dibromoethane	<12 µg/kg	TM116		<240 § M	<12 § M	<240 § M	<24 § M	<240 § M	<240 § M
Chlorobenzene	<5 µg/kg	TM116		<100 § M	<5 § M	<100 § M	<10 § M	<100 § M	<100 § M
1.1.1.2-Tetrachloroethane	<10 µg/kg	TM116		<200 § M	<10 § M	<200 § M	<20 § M	<200 § M	<200 § M
Ethylbenzene	<4 µg/kg	TM116		<80 § M	<4 § M	<80 § M	<8 § M	<80 § M	<80 § M
p/m-Xylene	<14 µg/kg	TM116		<280 § #	<14 § #	<280 § #	<28 § #	<280 § #	<280 § #
o-Xylene	<10 µg/kg	TM116		<200 § M	<10 § M	<200 § M	<20 § M	<200 § M	<200 § M
Styrene	<10 µg/kg	TM116		<200 § M	<10 § M	<200 § M	<20 § M	<200 § M	<200 § M
Bromoform	<10 µg/kg	TM116		<200 § M	<10 § M	<200 § M	<20 § M	<200 § M	<200 § M
Isopropylbenzene	<5 µg/kg	TM116		<100 § M	<5 § M	<100 § M	<10 § M	<100 § M	<100 § M
1.1.2.2-Tetrachloroethane	<10 µg/kg	TM116		<200 § #	<10 § #	<200 § #	<20 § #	<200 § #	<200 § #
1.2.3-Trichloropropane	<17 µg/kg	TM116		<340 § M	<17 § M	<340 § M	<34 § M	<340 § M	<340 § M
Bromobenzene	<10 µg/kg	TM116		<200 § M	<10 § M	<200 § M	<20 § M	<200 § M	<200 § M
Propylbenzene	<11 µg/kg	TM116		<220 § M	<11 § M	<220 § M	<22 § M	<220 § M	<220 § M
2-Chlorotoluene	<9 µg/kg	TM116		<180 § M	<9 § M	<180 § M	<18 § M	<180 § M	<180 § M
1.3.5-Trimethylbenzene	<8 µg/kg	TM116		<160 § #	<8 § #	<160 § #	<16 § #	<160 § #	<160 § #
4-Chlorotoluene	<12 µg/kg	TM116		<240 § M	<12 § M	<240 § M	<24 § M	<240 § M	<240 § M
tert-Butylbenzene	<12 µg/kg	TM116		<240 § #	<12 § #	<240 § #	<24 § #	<240 § #	<240 § #
1.2.4-Trimethylbenzene	<9 µg/kg	TM116		<180 § #	<9 § #	<180 § #	<18 § #	<180 § #	<180 § #
sec-Butylbenzene	<10 µg/kg	TM116		<200 § M	<10 § M	<200 § M	<20 § M	<200 § M	<200 § M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 § M	<11 § M	<220 § M	<22 § M	<220 § M	<220 § M
1.3-Dichlorobenzene	<6 µg/kg	TM116		<120 § M	<6 § M	<120 § M	<12 § M	<120 § M	<120 § M
1.4-Dichlorobenzene	<5 µg/kg	TM116		<100 § M	<5 § M	<100 § M	<10 § M	<100 § M	<100 § M
n-Butylbenzene	<10 µg/kg	TM116		<200 § M	<10 § M	<200 § M	<20 § M	<200 § M	<200 § M
1.2-Dichlorobenzene	<12 µg/kg	TM116		<240 § M	<12 § M	<240 § M	<24 § M	<240 § M	<240 § M
1.2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 § M	<14 § M	<280 § M	<28 § M	<280 § M	<280 § M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300 §	<15 §	<300 §	<30 §	<300 §	<300 §
1.2.4-Trichlorobenzene	<6 µg/kg	TM116		<120 § #	<6 § #	<120 § #	<12 § #	<120 § #	<120 § #
Hexachlorobutadiene	<12 µg/kg	TM116		<240 §	<12 §	<240 §	<24 §	<240 §	<240 §
Naphthalene	<13 µg/kg	TM116		<260 § M	<13 § M	<260 § M	<26 § M	<260 § M	<260 § M
1.2.3-Trichlorobenzene	<6 µg/kg	TM116		<120 § M	<6 § M	<120 § M	<12 § M	<120 § M	<120 § M

CERTIFICATE OF ANALYSIS

SDG:	120131-39	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0214
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	169862
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DIME BASE 9	DIME BASE 10			
			Depth (m)	.	.			
			Sample Type	Soil/Solid	Soil/Solid			
			Date Sampled	27/01/2012	27/01/2012			
			Date Received	28/01/2012	28/01/2012			
			SDG Ref	120131-39	120131-39			
			Lab Sample No.(s)	5096034	5096035			
			AGS Reference					
Dibromofluoromethane**	%	TM116		104 §	108 §			
Toluene-d8**	%	TM116		98.4 §	99.2 §			
4-Bromofluorobenzene**	%	TM116		115 §	110 §			
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 § M	<8 § M			
Chloromethane	<7 µg/kg	TM116		<140 § #	<14 § #			
Vinyl Chloride	<10 µg/kg	TM116		<200 § #	<20 § #			
Bromomethane	<13 µg/kg	TM116		<260 § M	<26 § M			
Chloroethane	<14 µg/kg	TM116		<280 § M	<28 § M			
Trichlorofluorormethane	<6 µg/kg	TM116		<120 § M	<12 § M			
1.1-Dichloroethene	<10 µg/kg	TM116		<200 § #	<20 § #			
Carbon Disulphide	<7 µg/kg	TM116		<140 § M	<14 § M			
Dichloromethane	<10 µg/kg	TM116		<200 § #	42.9 § #			
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 § M	<22 § M			
trans-1-2-Dichloroethene	<11 µg/kg	TM116		<220 § M	<22 § M			
1.1-Dichloroethane	<8 µg/kg	TM116		<160 § M	<16 § M			
cis-1-2-Dichloroethene	<5 µg/kg	TM116		<100 § M	<10 § M			
2.2-Dichloropropane	<12 µg/kg	TM116		<240 § M	<24 § M			
Bromochloromethane	<14 µg/kg	TM116		<280 § M	<28 § M			
Chloroform	<8 µg/kg	TM116		<160 § M	<16 § M			
1.1.1-Trichloroethane	<7 µg/kg	TM116		<140 § M	<14 § M			
1.1-Dichloropropene	<11 µg/kg	TM116		<220 § M	<22 § M			
Carbontetrachloride	<14 µg/kg	TM116		<280 § M	<28 § M			
1.2-Dichloroethane	<5 µg/kg	TM116		195 § M	4390 § M			
Benzene	<9 µg/kg	TM116		<180 § M	<18 § M			
Trichloroethene	<9 µg/kg	TM116		<180 § M	<18 § M			
1.2-Dichloropropane	<12 µg/kg	TM116		<240 § M	<24 § M			
Dibromomethane	<9 µg/kg	TM116		<180 § M	<18 § M			
Bromodichloromethane	<7 µg/kg	TM116		<140 § M	<14 § M			
cis-1-3-Dichloropropene	<14 µg/kg	TM116		<280 § M	<28 § M			
Toluene	<5 µg/kg	TM116		<100 § M	<10 § M			
trans-1-3-Dichloropropene	<14 µg/kg	TM116		<280 §	<28 §			
1.1.2-Trichloroethane	<10 µg/kg	TM116		<200 § M	<20 § M			
1.3-Dichloropropane	<7 µg/kg	TM116		<140 § #	<14 § #			
Tetrachloroethene	<5 µg/kg	TM116		<100 § M	<10 § M			
Dibromochloromethane	<13 µg/kg	TM116		<260 § M	<26 § M			

CERTIFICATE OF ANALYSIS

SDG:	120131-39	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0214
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	169862
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DIME BASE 9	DIME BASE 10			
			Depth (m)	.	.			
			Sample Type	Soil/Solid	Soil/Solid			
			Date Sampled	27/01/2012	27/01/2012			
			Date Received	28/01/2012	28/01/2012			
			SDG Ref	120131-39	120131-39			
			Lab Sample No.(s)	5096034	5096035			
			AGS Reference					
1.2-Dibromoethane	<12 µg/kg	TM116		<240 § M	<24 § M			
Chlorobenzene	<5 µg/kg	TM116		<100 § M	<10 § M			
1.1.1.2-Tetrachloroethane	<10 µg/kg	TM116		<200 § M	<20 § M			
Ethylbenzene	<4 µg/kg	TM116		<80 § M	<8 § M			
p/m-Xylene	<14 µg/kg	TM116		<280 § #	<28 § #			
o-Xylene	<10 µg/kg	TM116		<200 § M	<20 § M			
Styrene	<10 µg/kg	TM116		<200 § M	<20 § M			
Bromoform	<10 µg/kg	TM116		<200 § M	<20 § M			
Isopropylbenzene	<5 µg/kg	TM116		<100 § M	<10 § M			
1.1.2.2-Tetrachloroethane	<10 µg/kg	TM116		<200 § #	<20 § #			
1.2.3-Trichloropropane	<17 µg/kg	TM116		<340 § M	<34 § M			
Bromobenzene	<10 µg/kg	TM116		<200 § M	<20 § M			
Propylbenzene	<11 µg/kg	TM116		<220 § M	<22 § M			
2-Chlorotoluene	<9 µg/kg	TM116		<180 § M	<18 § M			
1.3.5-Trimethylbenzene	<8 µg/kg	TM116		<160 § #	<16 § #			
4-Chlorotoluene	<12 µg/kg	TM116		<240 § M	<24 § M			
tert-Butylbenzene	<12 µg/kg	TM116		<240 § #	<24 § #			
1.2.4-Trimethylbenzene	<9 µg/kg	TM116		<180 § #	<18 § #			
sec-Butylbenzene	<10 µg/kg	TM116		<200 § M	<20 § M			
4-Isopropyltoluene	<11 µg/kg	TM116		<220 § M	<22 § M			
1.3-Dichlorobenzene	<6 µg/kg	TM116		<120 § M	<12 § M			
1.4-Dichlorobenzene	<5 µg/kg	TM116		<100 § M	<10 § M			
n-Butylbenzene	<10 µg/kg	TM116		<200 § M	<20 § M			
1.2-Dichlorobenzene	<12 µg/kg	TM116		<240 § M	<24 § M			
1.2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 § M	<28 § M			
Tert-amyl methyl ether	<15 µg/kg	TM116		<300 §	<30 §			
1.2.4-Trichlorobenzene	<6 µg/kg	TM116		<120 § #	<12 § #			
Hexachlorobutadiene	<12 µg/kg	TM116		<240 §	<24 §			
Naphthalene	<13 µg/kg	TM116		<260 § M	<26 § M			
1.2.3-Trichlorobenzene	<6 µg/kg	TM116		<120 § M	<12 § M			

CERTIFICATE OF ANALYSIS

SDG:	120131-39	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0214
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	169862
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

VOC MS (W)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DIME WT IN	DIME WT OUT
			Depth (m)	.	.
			Sample Type	Water(GW/SW)	Water(GW/SW)
			Date Sampled	27/01/2012	27/01/2012
			Date Received	28/01/2012	28/01/2012
			SDG Ref	120131-39	120131-39
			Lab Sample No.(s)	5096037	5096038
			AGS Reference		
Dibromofluoromethane**	%	TM208		106	106
Toluene-d8**	%	TM208		99.2	99.6
4-Bromofluorobenzene**	%	TM208		98.3	97.3
Dichlorodifluoromethane	<1 µg/l	TM208		<1 #	<1 #
Chloromethane	<1 µg/l	TM208		<1 #	<1 #
Vinyl chloride	<1 µg/l	TM208		<1 #	<1 #
Bromomethane	<1 µg/l	TM208		<1 #	<1 #
Chloroethane	<1 µg/l	TM208		<1 #	<1 #
Trichlorofluoromethane	<1 µg/l	TM208		<1 #	<1 #
1,1-Dichloroethene	<1 µg/l	TM208		<1 #	<1 #
Carbon disulphide	<1 µg/l	TM208		<1 #	<1 #
Dichloromethane	<3 µg/l	TM208		<3 #	<3 #
Methyl tertiary butyl ether (MTBE)	<1 µg/l	TM208		<1 #	<1 #
trans-1,2-Dichloroethene	<1 µg/l	TM208		<1 #	<1 #
1,1-Dichloroethane	<1 µg/l	TM208		<1 #	<1 #
cis-1,2-Dichloroethene	<1 µg/l	TM208		<1 #	1.54 #
2,2-Dichloropropane	<1 µg/l	TM208		<1 #	<1 #
Bromochloromethane	<1 µg/l	TM208		<1 #	<1 #
Chloroform	<1 µg/l	TM208		<1 #	<1 #
1,1,1-Trichloroethane	<1 µg/l	TM208		<1 #	<1 #
1,1-Dichloropropene	<1 µg/l	TM208		<1 #	<1 #
Carbontetrachloride	<1 µg/l	TM208		<1 #	<1 #
1,2-Dichloroethane	<1 µg/l	TM208		<1	<1
Benzene	<1 µg/l	TM208		1.38 #	<1 #
Trichloroethene	<1 µg/l	TM208		<1 #	<1 #
1,2-Dichloropropane	<1 µg/l	TM208		<1 #	<1 #
Dibromomethane	<1 µg/l	TM208		<1 #	<1 #
Bromodichloromethane	<1 µg/l	TM208		<1 #	<1 #
cis-1,3-Dichloropropene	<1 µg/l	TM208		<1 #	<1 #
Toluene	<1 µg/l	TM208		1.17 #	<1 #
trans-1,3-Dichloropropene	<1 µg/l	TM208		<1 #	<1 #
1,1,2-Trichloroethane	<1 µg/l	TM208		<1 #	<1 #
1,3-Dichloropropane	<1 µg/l	TM208		<1 #	<1 #
Tetrachloroethene	<1 µg/l	TM208		<1 #	244 #
Dibromochloromethane	<1 µg/l	TM208		<1 #	<1 #

CERTIFICATE OF ANALYSIS

SDG:	120131-39	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0214
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	169862
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

VOC MS (W)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DIME WT IN	DIME WT OUT			
			Depth (m)	.	.			
			Sample Type	Water(GW/SW)	Water(GW/SW)			
			Date Sampled	27/01/2012	27/01/2012			
			Date Received	28/01/2012	28/01/2012			
			SDG Ref	120131-39	120131-39			
			Lab Sample No.(s)	5096037	5096038			
			AGS Reference					
1,2-Dibromoethane	<1 µg/l	TM208		<1 #	<1 #			
Chlorobenzene	<1 µg/l	TM208		<1 #	<1 #			
1,1,1,2-Tetrachloroethane	<1 µg/l	TM208		<1 #	<1 #			
Ethylbenzene	<1 µg/l	TM208		<1 #	<1 #			
m,p-Xylene	<1 µg/l	TM208		<1 #	<1 #			
o-Xylene	<1 µg/l	TM208		<1 #	<1 #			
Styrene	<1 µg/l	TM208		<1 #	<1 #			
Bromoform	<1 µg/l	TM208		<1 #	<1 #			
Isopropylbenzene	<1 µg/l	TM208		<1 #	<1 #			
1,1,2,2-Tetrachloroethane	<1 µg/l	TM208		<1	<1			
1,2,3-Trichloropropane	<1 µg/l	TM208		<1 #	<1 #			
Bromobenzene	<1 µg/l	TM208		<1 #	<1 #			
Propylbenzene	<1 µg/l	TM208		<1 #	<1 #			
2-Chlorotoluene	<1 µg/l	TM208		<1 #	<1 #			
1,3,5-Trimethylbenzene	<1 µg/l	TM208		<1 #	<1 #			
4-Chlorotoluene	<1 µg/l	TM208		<1 #	<1 #			
tert-Butylbenzene	<1 µg/l	TM208		<1 #	<1 #			
1,2,4-Trimethylbenzene	<1 µg/l	TM208		<1 #	<1 #			
sec-Butylbenzene	<1 µg/l	TM208		<1 #	<1 #			
4-iso-Propyltoluene	<1 µg/l	TM208		<1 #	<1 #			
1,3-Dichlorobenzene	<1 µg/l	TM208		<1 #	<1 #			
1,4-Dichlorobenzene	<1 µg/l	TM208		<1 #	<1 #			
n-Butylbenzene	<1 µg/l	TM208		<1 #	<1 #			
1,2-Dichlorobenzene	<1 µg/l	TM208		<1	<1			
1,2-Dibromo-3-chloropropane	<1 µg/l	TM208		<1	<1			
1,2,4-Trichlorobenzene	<1 µg/l	TM208		<1 #	<1 #			
Hexachlorobutadiene	<1 µg/l	TM208		<1 #	<1 #			
tert-Amyl methyl ether (TAME)	<1 µg/l	TM208		<1 #	<1 #			
Naphthalene	<1 µg/l	TM208		<1 #	<1 #			
1,2,3-Trichlorobenzene	<1 µg/l	TM208		<1 #	<1 #			
1,3,5-Trichlorobenzene	<1 µg/l	TM208		<1	<1			

CERTIFICATE OF ANALYSIS

SDG:	120131-39	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0214
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	169862
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

Notification of Deviating Samples

Sample Number	Customer Sample Ref.	Depth (m)	Matrix	Test Name	Component Name	Comment
5127646	DIME BASE 4		SOLID	VOC MS (S)	1.1.1.2-Tetrachloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	1.1.1-Trichloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	1.1.2.2-Tetrachloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	1.1.2-Trichloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	1.1-Dichloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	1.1-Dichloroethene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	1.1-Dichloropropene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	1.2.3-Trichlorobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	1.2.3-Trichloropropane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	1.2.4-Trichlorobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	1.2.4-Trimethylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	1.2-Dibromo-3-chloropropane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	1.2-Dibromoethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	1.2-Dichlorobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	1.2-Dichloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	1.2-Dichloropropane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	1.3.5-Trimethylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	1.3-Dichlorobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	1.3-Dichloropropane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	1.4-Dichlorobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	2.2-Dichloropropane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	2-Chlorotoluene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	4-Bromofluorobenzene**	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	4-Chlorotoluene	Volatile Analysis performed on vessel with headspace due to testing requirement

CERTIFICATE OF ANALYSIS

SDG:	120131-39	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0214
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	169862
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

Sample Number	Customer Sample Ref.	Depth (m)	Matrix	Test Name	Component Name	Comment
5127646	DIME BASE 4		SOLID	VOC MS (S)	4-Isopropyltoluene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	Benzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	Bromobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	Bromochloromethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	Bromodichloromethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	Bromoform	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	Bromomethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	Carbon Disulphide	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	Carbontetrachloride	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	Chlorobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	Chloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	Chloroform	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	Chloromethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	cis-1-2-Dichloroethene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	cis-1-3-Dichloropropene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	Dibromochloromethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	Dibromofluoromethane**	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	Dibromomethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	Dichlorodifluoromethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	Dichloromethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	Ethylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	Hexachlorobutadiene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	Isopropylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	Methyl Tertiary Butyl Ether	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	Naphthalene	Volatile Analysis performed on vessel with headspace due to testing requirement

CERTIFICATE OF ANALYSIS

SDG:	120131-39	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0214
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	169862
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

Sample Number	Customer Sample Ref.	Depth (m)	Matrix	Test Name	Component Name	Comment
5127646	DIME BASE 4		SOLID	VOC MS (S)	n-Butylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	o-Xylene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	p/m-Xylene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	Propylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	sec-Butylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	Styrene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	Tert-amyl methyl ether	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	tert-Butylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	Tetrachloroethene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	Toluene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	Toluene-d8**	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	trans-1-2-Dichloroethene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	trans-1-3-Dichloropropene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	Trichloroethene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	Trichlorofluoromethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127646	DIME BASE 4		SOLID	VOC MS (S)	Vinyl Chloride	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	1.1.1.2-Tetrachloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	1.1.1-Trichloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	1.1.2.2-Tetrachloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	1.1.2-Trichloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	1.1-Dichloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	1.1-Dichloroethene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	1.1-Dichloropropene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	1.2.3-Trichlorobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	1.2.3-Trichloropropane	Volatile Analysis performed on vessel with headspace due to testing requirement

CERTIFICATE OF ANALYSIS

SDG:	120131-39	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0214
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	169862
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

Sample Number	Customer Sample Ref.	Depth (m)	Matrix	Test Name	Component Name	Comment
5127668	DIME BASE 9		SOLID	VOC MS (S)	1.2.4-Trichlorobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	1.2.4-Trimethylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	1.2-Dibromo-3-chloropropane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	1.2-Dibromoethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	1.2-Dichlorobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	1.2-Dichloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	1.2-Dichloropropane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	1.3.5-Trimethylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	1.3-Dichlorobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	1.3-Dichloropropane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	1.4-Dichlorobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	2.2-Dichloropropane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	2-Chlorotoluene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	4-Bromofluorobenzene**	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	4-Chlorotoluene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	4-Isopropyltoluene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	Benzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	Bromobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	Bromochloromethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	Bromodichloromethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	Bromoform	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	Bromomethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	Carbon Disulphide	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	Carbontetrachloride	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	Chlorobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement

CERTIFICATE OF ANALYSIS

SDG:	120131-39	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0214
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	169862
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

Sample Number	Customer Sample Ref.	Depth (m)	Matrix	Test Name	Component Name	Comment
5127668	DIME BASE 9		SOLID	VOC MS (S)	Chloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	Chloroform	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	Chloromethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	cis-1-2-Dichloroethene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	cis-1-3-Dichloropropene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	Dibromochloromethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	Dibromofluoromethane**	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	Dibromomethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	Dichlorodifluoromethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	Dichloromethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	Ethylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	Hexachlorobutadiene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	Isopropylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	Methyl Tertiary Butyl Ether	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	Naphthalene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	n-Butylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	o-Xylene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	p/m-Xylene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	Propylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	sec-Butylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	Styrene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	Tert-amyl methyl ether	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	tert-Butylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	Tetrachloroethene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	Toluene	Volatile Analysis performed on vessel with headspace due to testing requirement

CERTIFICATE OF ANALYSIS

SDG:	120131-39	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0214
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	169862
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

Sample Number	Customer Sample Ref.	Depth (m)	Matrix	Test Name	Component Name	Comment
5127668	DIME BASE 9		SOLID	VOC MS (S)	Toluene-d8**	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	trans-1-2-Dichloroethene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	trans-1-3-Dichloropropene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	Trichloroethene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	Trichlorofluormethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127668	DIME BASE 9		SOLID	VOC MS (S)	Vinyl Chloride	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	1.1.1.2-Tetrachloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	1.1.1-Trichloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	1.1.2.2-Tetrachloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	1.1.2-Trichloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	1.1-Dichloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	1.1-Dichloroethene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	1.1-Dichloropropene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	1.2.3-Trichlorobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	1.2.3-Trichloropropane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	1.2.4-Trichlorobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	1.2.4-Trimethylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	1.2-Dibromo-3-chloropropane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	1.2-Dibromoethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	1.2-Dichlorobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	1.2-Dichloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	1.2-Dichloropropane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	1.3.5-Trimethylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	1.3-Dichlorobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	1.3-Dichloropropane	Volatile Analysis performed on vessel with headspace due to testing requirement

CERTIFICATE OF ANALYSIS

SDG:	120131-39	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0214
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	169862
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

Sample Number	Customer Sample Ref.	Depth (m)	Matrix	Test Name	Component Name	Comment
5127702	DIME BASE 3		SOLID	VOC MS (S)	1.4-Dichlorobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	2.2-Dichloropropane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	2-Chlorotoluene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	4-Bromofluorobenzene**	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	4-Chlorotoluene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	4-Isopropyltoluene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	Benzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	Bromobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	Bromochloromethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	Bromodichloromethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	Bromoform	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	Bromomethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	Carbon Disulphide	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	Carbontetrachloride	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	Chlorobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	Chloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	Chloroform	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	Chloromethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	cis-1-2-Dichloroethene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	cis-1-3-Dichloropropene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	Dibromochloromethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	Dibromofluoromethane**	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	Dibromomethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	Dichlorodifluoromethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	Dichloromethane	Volatile Analysis performed on vessel with headspace due to testing requirement

CERTIFICATE OF ANALYSIS

SDG:	120131-39	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0214
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	169862
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

Sample Number	Customer Sample Ref.	Depth (m)	Matrix	Test Name	Component Name	Comment
5127702	DIME BASE 3		SOLID	VOC MS (S)	Ethylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	Hexachlorobutadiene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	Isopropylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	Methyl Tertiary Butyl Ether	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	Naphthalene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	n-Butylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	o-Xylene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	p/m-Xylene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	Propylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	sec-Butylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	Styrene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	Tert-amyl methyl ether	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	tert-Butylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	Tetrachloroethene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	Toluene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	Toluene-d8**	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	trans-1-2-Dichloroethene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	trans-1-3-Dichloropropene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	Trichloroethene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	Trichlorofluoromethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127702	DIME BASE 3		SOLID	VOC MS (S)	Vinyl Chloride	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	1.1.1.2-Tetrachloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	1.1.1-Trichloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	1.1.2.2-Tetrachloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	1.1.2-Trichloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement

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SDG:	120131-39	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0214
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	169862
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

Sample Number	Customer Sample Ref.	Depth (m)	Matrix	Test Name	Component Name	Comment
5127731	DIME BASE 10		SOLID	VOC MS (S)	1.1-Dichloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	1.1-Dichloroethene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	1.1-Dichloropropene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	1.2.3-Trichlorobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	1.2.3-Trichloropropane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	1.2.4-Trichlorobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	1.2.4-Trimethylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	1.2-Dibromo-3-chloropropane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	1.2-Dibromoethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	1.2-Dichlorobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	1.2-Dichloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	1.2-Dichloropropane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	1.3.5-Trimethylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	1.3-Dichlorobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	1.3-Dichloropropane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	1.4-Dichlorobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	2.2-Dichloropropane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	2-Chlorotoluene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	4-Bromofluorobenzene**	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	4-Chlorotoluene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	4-Isopropyltoluene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	Benzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	Bromobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	Bromochloromethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	Bromodichloromethane	Volatile Analysis performed on vessel with headspace due to testing requirement

CERTIFICATE OF ANALYSIS

SDG:	120131-39	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0214
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	169862
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

Sample Number	Customer Sample Ref.	Depth (m)	Matrix	Test Name	Component Name	Comment
5127731	DIME BASE 10		SOLID	VOC MS (S)	Bromoform	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	Bromomethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	Carbon Disulphide	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	Carbontetrachloride	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	Chlorobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	Chloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	Chloroform	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	Chloromethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	cis-1-2-Dichloroethene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	cis-1-3-Dichloropropene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	Dibromochloromethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	Dibromofluoromethane**	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	Dibromomethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	Dichlorodifluoromethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	Dichloromethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	Ethylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	Hexachlorobutadiene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	Isopropylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	Methyl Tertiary Butyl Ether	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	Naphthalene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	n-Butylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	o-Xylene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	p/m-Xylene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	Propylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	sec-Butylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement

CERTIFICATE OF ANALYSIS

SDG:	120131-39	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0214
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	169862
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

Sample Number	Customer Sample Ref.	Depth (m)	Matrix	Test Name	Component Name	Comment
5127731	DIME BASE 10		SOLID	VOC MS (S)	Styrene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	Tert-amyl methyl ether	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	tert-Butylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	Tetrachloroethene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	Toluene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	Toluene-d8**	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	trans-1-2-Dichloroethene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	trans-1-3-Dichloropropene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	Trichloroethene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	Trichlorofluorormethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127731	DIME BASE 10		SOLID	VOC MS (S)	Vinyl Chloride	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	1.1.1.2-Tetrachloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	1.1.1-Trichloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	1.1.2.2-Tetrachloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	1.1.2-Trichloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	1.1-Dichloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	1.1-Dichloroethene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	1.1-Dichloropropene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	1.2.3-Trichlorobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	1.2.3-Trichloropropane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	1.2.4-Trichlorobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	1.2.4-Trimethylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	1.2-Dibromo-3-chloropropane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	1.2-Dibromoethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	1.2-Dichlorobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement

CERTIFICATE OF ANALYSIS

SDG:	120131-39	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0214
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	169862
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

Sample Number	Customer Sample Ref.	Depth (m)	Matrix	Test Name	Component Name	Comment
5127769	DIME BASE 5		SOLID	VOC MS (S)	1.2-Dichloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	1.2-Dichloropropane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	1.3.5-Trimethylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	1.3-Dichlorobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	1.3-Dichloropropane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	1.4-Dichlorobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	2.2-Dichloropropane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	2-Chlorotoluene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	4-Bromofluorobenzene**	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	4-Chlorotoluene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	4-Isopropyltoluene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	Benzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	Bromobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	Bromochloromethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	Bromodichloromethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	Bromoform	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	Bromomethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	Carbon Disulphide	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	Carbontetrachloride	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	Chlorobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	Chloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	Chloroform	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	Chloromethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	cis-1-2-Dichloroethene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	cis-1-3-Dichloropropene	Volatile Analysis performed on vessel with headspace due to testing requirement

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Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	169862
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

Sample Number	Customer Sample Ref.	Depth (m)	Matrix	Test Name	Component Name	Comment
5127769	DIME BASE 5		SOLID	VOC MS (S)	Dibromochloromethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	Dibromofluoromethane**	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	Dibromomethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	Dichlorodifluoromethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	Dichloromethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	Ethylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	Hexachlorobutadiene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	Isopropylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	Methyl Tertiary Butyl Ether	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	Naphthalene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	n-Butylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	o-Xylene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	p/m-Xylene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	Propylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	sec-Butylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	Styrene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	Tert-amyl methyl ether	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	tert-Butylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	Tetrachloroethene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	Toluene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	Toluene-d8**	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	trans-1-2-Dichloroethene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	trans-1-3-Dichloropropene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	Trichloroethene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127769	DIME BASE 5		SOLID	VOC MS (S)	Trichlorofluorormethane	Volatile Analysis performed on vessel with headspace due to testing requirement

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Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	169862
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

Sample Number	Customer Sample Ref.	Depth (m)	Matrix	Test Name	Component Name	Comment
5127769	DIME BASE 5		SOLID	VOC MS (S)	Vinyl Chloride	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	1.1.1.2-Tetrachloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	1.1.1-Trichloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	1.1.2.2-Tetrachloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	1.1.2-Trichloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	1.1-Dichloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	1.1-Dichloroethene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	1.1-Dichloropropene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	1.2.3-Trichlorobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	1.2.3-Trichloropropane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	1.2.4-Trichlorobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	1.2.4-Trimethylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	1.2-Dibromo-3-chloropropane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	1.2-Dibromoethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	1.2-Dichlorobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	1.2-Dichloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	1.2-Dichloropropane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	1.3.5-Trimethylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	1.3-Dichlorobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	1.3-Dichloropropane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	1.4-Dichlorobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	2.2-Dichloropropane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	2-Chlorotoluene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	4-Bromofluorobenzene**	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	4-Chlorotoluene	Volatile Analysis performed on vessel with headspace due to testing requirement

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SDG:	120131-39	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0214
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	169862
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

Sample Number	Customer Sample Ref.	Depth (m)	Matrix	Test Name	Component Name	Comment
5127817	DIME BASE 7		SOLID	VOC MS (S)	4-Isopropyltoluene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	Benzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	Bromobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	Bromochloromethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	Bromodichloromethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	Bromoform	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	Bromomethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	Carbon Disulphide	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	Carbontetrachloride	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	Chlorobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	Chloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	Chloroform	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	Chloromethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	cis-1-2-Dichloroethene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	cis-1-3-Dichloropropene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	Dibromochloromethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	Dibromofluoromethane**	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	Dibromomethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	Dichlorodifluoromethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	Dichloromethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	Ethylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	Hexachlorobutadiene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	Isopropylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	Methyl Tertiary Butyl Ether	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	Naphthalene	Volatile Analysis performed on vessel with headspace due to testing requirement

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SDG:	120131-39	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0214
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	169862
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

Sample Number	Customer Sample Ref.	Depth (m)	Matrix	Test Name	Component Name	Comment
5127817	DIME BASE 7		SOLID	VOC MS (S)	n-Butylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	o-Xylene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	p/m-Xylene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	Propylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	sec-Butylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	Styrene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	Tert-amyl methyl ether	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	tert-Butylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	Tetrachloroethene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	Toluene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	Toluene-d8**	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	trans-1-2-Dichloroethene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	trans-1-3-Dichloropropene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	Trichloroethene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	Trichlorofluoromethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127817	DIME BASE 7		SOLID	VOC MS (S)	Vinyl Chloride	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	1.1.1.2-Tetrachloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	1.1.1-Trichloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	1.1.2.2-Tetrachloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	1.1.2-Trichloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	1.1-Dichloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	1.1-Dichloroethene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	1.1-Dichloropropene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	1.2.3-Trichlorobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	1.2.3-Trichloropropane	Volatile Analysis performed on vessel with headspace due to testing requirement

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SDG:	120131-39	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0214
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	169862
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

Sample Number	Customer Sample Ref.	Depth (m)	Matrix	Test Name	Component Name	Comment
5127844	DIME BASE 6		SOLID	VOC MS (S)	1.2.4-Trichlorobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	1.2.4-Trimethylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	1.2-Dibromo-3-chloropropane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	1.2-Dibromoethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	1.2-Dichlorobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	1.2-Dichloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	1.2-Dichloropropane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	1.3.5-Trimethylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	1.3-Dichlorobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	1.3-Dichloropropane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	1.4-Dichlorobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	2.2-Dichloropropane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	2-Chlorotoluene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	4-Bromofluorobenzene**	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	4-Chlorotoluene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	4-Isopropyltoluene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	Benzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	Bromobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	Bromochloromethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	Bromodichloromethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	Bromoform	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	Bromomethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	Carbon Disulphide	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	Carbontetrachloride	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	Chlorobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement

CERTIFICATE OF ANALYSIS

SDG:	120131-39	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0214
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	169862
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

Sample Number	Customer Sample Ref.	Depth (m)	Matrix	Test Name	Component Name	Comment
5127844	DIME BASE 6		SOLID	VOC MS (S)	Chloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	Chloroform	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	Chloromethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	cis-1-2-Dichloroethene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	cis-1-3-Dichloropropene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	Dibromochloromethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	Dibromofluoromethane**	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	Dibromomethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	Dichlorodifluoromethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	Dichloromethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	Ethylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	Hexachlorobutadiene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	Isopropylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	Methyl Tertiary Butyl Ether	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	Naphthalene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	n-Butylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	o-Xylene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	p/m-Xylene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	Propylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	sec-Butylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	Styrene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	Tert-amyl methyl ether	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	tert-Butylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	Tetrachloroethene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	Toluene	Volatile Analysis performed on vessel with headspace due to testing requirement

CERTIFICATE OF ANALYSIS

SDG:	120131-39	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0214
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	169862
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

Sample Number	Customer Sample Ref.	Depth (m)	Matrix	Test Name	Component Name	Comment
5127844	DIME BASE 6		SOLID	VOC MS (S)	Toluene-d8**	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	trans-1-2-Dichloroethene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	trans-1-3-Dichloropropene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	Trichloroethene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	Trichlorofluormethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127844	DIME BASE 6		SOLID	VOC MS (S)	Vinyl Chloride	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	1.1.1.2-Tetrachloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	1.1.1-Trichloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	1.1.2.2-Tetrachloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	1.1.2-Trichloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	1.1-Dichloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	1.1-Dichloroethene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	1.1-Dichloropropene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	1.2.3-Trichlorobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	1.2.3-Trichloropropane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	1.2.4-Trichlorobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	1.2.4-Trimethylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	1.2-Dibromo-3-chloropropane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	1.2-Dibromoethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	1.2-Dichlorobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	1.2-Dichloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	1.2-Dichloropropane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	1.3.5-Trimethylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	1.3-Dichlorobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	1.3-Dichloropropane	Volatile Analysis performed on vessel with headspace due to testing requirement

CERTIFICATE OF ANALYSIS

SDG:	120131-39	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0214
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	169862
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

Sample Number	Customer Sample Ref.	Depth (m)	Matrix	Test Name	Component Name	Comment
5127876	DIME BASE 8		SOLID	VOC MS (S)	1.4-Dichlorobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	2.2-Dichloropropane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	2-Chlorotoluene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	4-Bromofluorobenzene**	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	4-Chlorotoluene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	4-Isopropyltoluene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	Benzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	Bromobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	Bromochloromethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	Bromodichloromethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	Bromoform	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	Bromomethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	Carbon Disulphide	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	Carbontetrachloride	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	Chlorobenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	Chloroethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	Chloroform	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	Chloromethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	cis-1-2-Dichloroethene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	cis-1-3-Dichloropropene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	Dibromochloromethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	Dibromofluoromethane**	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	Dibromomethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	Dichlorodifluoromethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	Dichloromethane	Volatile Analysis performed on vessel with headspace due to testing requirement

CERTIFICATE OF ANALYSIS

SDG:	120131-39	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0214
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	169862
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

Sample Number	Customer Sample Ref.	Depth (m)	Matrix	Test Name	Component Name	Comment
5127876	DIME BASE 8		SOLID	VOC MS (S)	Ethylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	Hexachlorobutadiene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	Isopropylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	Methyl Tertiary Butyl Ether	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	Naphthalene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	n-Butylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	o-Xylene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	p/m-Xylene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	Propylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	sec-Butylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	Styrene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	Tert-amyl methyl ether	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	tert-Butylbenzene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	Tetrachloroethene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	Toluene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	Toluene-d8**	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	trans-1-2-Dichloroethene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	trans-1-3-Dichloropropene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	Trichloroethene	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	Trichlorofluoromethane	Volatile Analysis performed on vessel with headspace due to testing requirement
5127876	DIME BASE 8		SOLID	VOC MS (S)	Vinyl Chloride	Volatile Analysis performed on vessel with headspace due to testing requirement

Note : Test results may be compromised

CERTIFICATE OF ANALYSIS

SDG:	120131-39	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0214
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	169862
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

Notification of NDPs (No determination possible)

Date Received : 31/01/2012 13:15:42

Sample No	Customer Sample Ref.	Depth (m)	Test	Comment
5096036	DIME DNAPL		VOC MS (W)	Sample contains oil / product
5096036	DIME DNAPL		GRO by GC-FID (W)	Sample contains oil / product
5096036	DIME DNAPL		VOC MS (W)	Sample contains oil / product

CERTIFICATE OF ANALYSIS

SDG:	120131-39	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0214
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	169862
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

Table of Results - Appendix

REPORT KEY

Results expressed as (e.g.) 1.03E-07 is equivalent to 1.03x10-7

NDP	No Determination Possible	#	ISO 17025 Accredited	*	Subcontracted Test	M	MCERTS Accredited
NFD	No Fibres Detected	PFD	Possible Fibres Detected	»	Result previously reported (Incremental reports only)	EC	Equivalent Carbon (Aromatics C8-C35)

Note: Method detection limits are not always achievable due to various circumstances beyond our control

Method No	Reference	Description	Wet/Dry Sample [1]	Surrogate Corrected
PM001		Preparation of Samples for Metals Analysis		
PM024	Modified BS 1377	Soil preparation including homogenisation, moisture screens of soils for Asbestos Containing Material		
TM059	In - house Method	Determination of whole oil by gas chromatography (C4-C40)		
TM061	Method for the Determination of EPH,Massachusetts Dept.of EP, 1998	Determination of Extractable Petroleum Hydrocarbons by GC-FID (C10-C40)		
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)		
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS		
TM133	BS 1377: Part 3 1990;BS 6068-2.5	Determination of pH in Soil and Water using the GLpH pH Meter		
TM152	Method 3125B, AWWA/APHA, 20th Ed., 1999	Analysis of Aqueous Samples by ICP-MS		
TM157	HP 6890 Gas Chromatograph (GC) system and HP 5973 Mass Selective Detector (MSD).	Determination of SVOC in Soils by GC-MS extracted by sonication in DCM/Acetone		
TM173	Analysis of Petroleum Hydrocarbons in Environmental Media – Total Petroleum Hydrocarbon Criteria	Determination of Speciated Extractable Petroleum Hydrocarbons in Soils by GC-FID		
TM174	Analysis of Petroleum Hydrocarbons in Environmental Media – Total Petroleum Hydrocarbon Criteria	Determination of Speciated Extractable Petroleum Hydrocarbons in Waters by GC-FID		
TM176	EPA 8270D Semi-Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	Determination of SVOCs in Water by GCMS		
TM181	US EPA Method 6010B	Determination of Routine Metals in Soil by iCap 6500 Duo ICP-OES		
TM183	BS EN 23506:2002, (BS 6068-2.74:2002) ISBN 0 580 38924 3	Determination of Trace Level Mercury in Waters and Leachates by PSA Cold Vapour Atomic Fluorescence Spectrometry		
TM208	Modified: US EPA Method 8260b & 624	Determination of Volatile Organic Compounds by Headspace / GC-MS in Waters		
TM245	By GC-FID	Determination of GRO by Headspace in waters		
TM256	The measurement of Electrical Conductivity and the Laboratory determination of pH Value of Natural, Treated and Wastewaters. HMSO, 1978. ISBN 011 751428 4.	Determination of pH in Water and Leachate using the GLpH pH Meter		

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

CERTIFICATE OF ANALYSIS

SDG:	120131-39	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0214
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	169862
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

Test Completion Dates

Lab Sample No(s)	5096027	5096028	5096029	5096030	5096032	5096033	5096034	5096035	5096036	5096037
Customer Sample Ref.	DIME BASE 3	DIME BASE 4	DIME BASE 5	DIME BASE 6	DIME BASE 7	DIME BASE 8	DIME BASE 9	DIME BASE 10	DIME DNAPL	DIME WT IN
AGS Ref.										
Depth										
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	PRODUCT	LIQUID
Dissolved Metals by ICP-MS									03-Feb-2012	
EPH CWG (Aliphatic) Aqueous GC (W)									03-Feb-2012	
EPH CWG (Aliphatic) GC (S)	03-Feb-2012	06-Feb-2012	03-Feb-2012	06-Feb-2012	07-Feb-2012	06-Feb-2012	06-Feb-2012	07-Feb-2012		
EPH CWG (Aromatic) Aqueous GC (W)									03-Feb-2012	
EPH CWG (Aromatic) GC (S)	03-Feb-2012	06-Feb-2012	03-Feb-2012	06-Feb-2012	07-Feb-2012	06-Feb-2012	06-Feb-2012	06-Feb-2012		
GRO by GC-FID (S)	02-Feb-2012	02-Feb-2012	02-Feb-2012	02-Feb-2012	02-Feb-2012	02-Feb-2012	02-Feb-2012	02-Feb-2012		
GRO by GC-FID (W)									02-Feb-2012	
Mercury Dissolved									02-Feb-2012	
Metals by iCap-OES (Soil)	03-Feb-2012	03-Feb-2012	03-Feb-2012	03-Feb-2012	03-Feb-2012	03-Feb-2012	03-Feb-2012	03-Feb-2012		
pH	02-Feb-2012	02-Feb-2012	02-Feb-2012	02-Feb-2012	02-Feb-2012	02-Feb-2012	02-Feb-2012	02-Feb-2012		
pH Value									01-Feb-2012	
Sample description	01-Feb-2012	01-Feb-2012	01-Feb-2012	01-Feb-2012	01-Feb-2012	01-Feb-2012	01-Feb-2012	01-Feb-2012		
Semi Volatile Organic Compounds	04-Feb-2012	04-Feb-2012	04-Feb-2012	05-Feb-2012	04-Feb-2012	04-Feb-2012	04-Feb-2012	04-Feb-2012		
SVOC MS (W) - Aqueous									03-Feb-2012	03-Feb-2012
TPH CWG (W)									03-Feb-2012	
TPH CWG GC (S)	03-Feb-2012	06-Feb-2012	03-Feb-2012	06-Feb-2012	07-Feb-2012	06-Feb-2012	06-Feb-2012	07-Feb-2012		
VOC MS (S)	07-Feb-2012	07-Feb-2012	07-Feb-2012	07-Feb-2012	07-Feb-2012	07-Feb-2012	07-Feb-2012	07-Feb-2012		
VOC MS (W)										01-Feb-2012
Whole Oil Fingerprint									03-Feb-2012	

Lab Sample No(s)	5096038
Customer Sample Ref.	DIME WT OUT
AGS Ref.	
Depth	
Type	LIQUID
SVOC MS (W) - Aqueous	03-Feb-2012
VOC MS (W)	01-Feb-2012

ALcontrol Laboratories

Chemical Oil Fingerprint

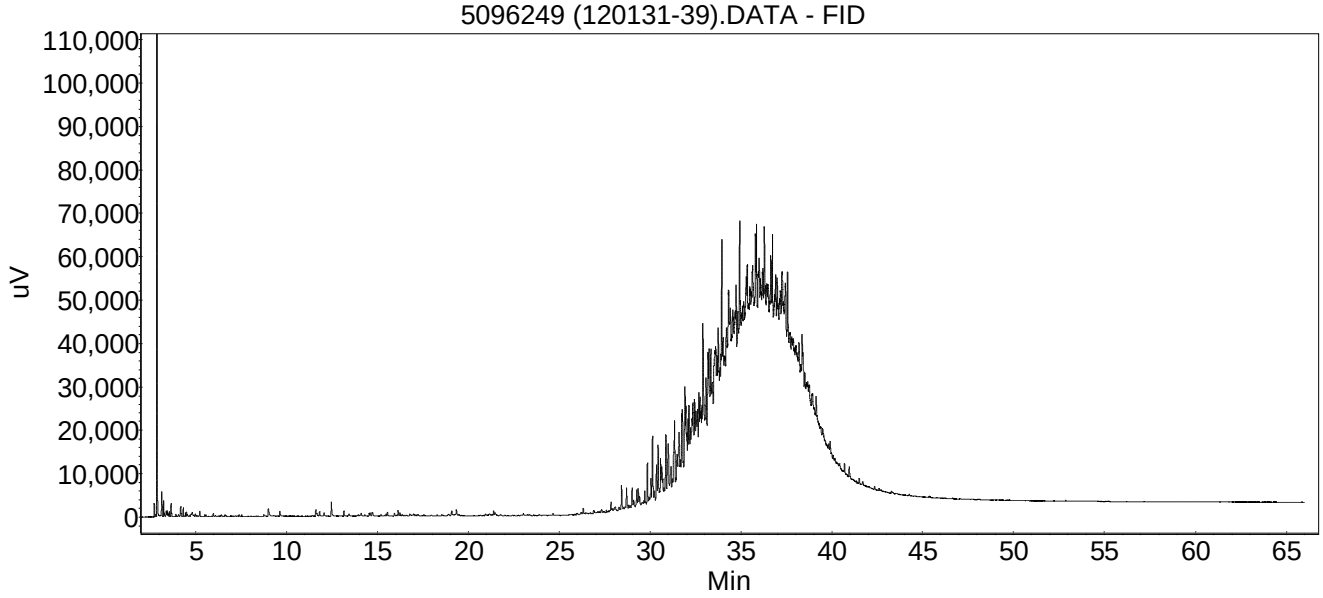
Client: H_ATKINS_LDC

Job Number: 5096249 (120131-39)

Identity: DIME DNAPL

Description: Amber product on water

Carbon Range:	C16 - C33
Boiling Point Range:	287 - 476°C
Fingerprint:	Lube oil range
Comments:	n/a



QUALITY FORM	QF.5.10.1
ALCONTROL LABORATORIES	SHEET 1 OF 1 ISSUE NO: 2 ISSUED BY: J Howard
Title of Form **Notification of No Determination Possible**	ISSUE DATE: 22/04/10 APPROVED BY: Vicky Muir

SDG Number : 120131-39
Client: H_ATKINS_LDC
Sample Type : Product

SDG no	Sample No.	Sample ID.	Depth	Analyte(s)	Reason
120131-39	5096249	DIME DNAPL	N/A	Age Profile	Pristane and phytane are not present to perform the calculation

SDG:	120131-39	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0214
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	169862
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

Appendix

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 2 months after the analysis date. All bulk samples will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALcontrol Laboratories reserve the right to charge for samples received and stored but not analysed.

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

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

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

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

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

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

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

11. Results relate only to the items tested.

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

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

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

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

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

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

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

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

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

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

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

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

SOLID MATRICES EXTRACTION SUMMARY

ANALYSIS	D&C OR WET	EXTRACTION SOLVENT	EXTRACTION METHOD	ANALYSIS
SOLVENT EXTRACTABLE MATTER	D&C	DCM	SOXTHERM	GRAVIMETRIC
CYCLOHEXANE EXT. MATTER	D&C	CYCLOHEXANE	SOXTHERM	GRAVIMETRIC
ELEMENTAL SULPHUR	D&C	DCM	SOXTHERM	HPLC
PHENOLS BY GCMS	WET	DCM	SOXTHERM	GC-MS
HERBICIDES	D&C	HEXANE:ACETONE	SOXTHERM	GC-MS
PESTICIDES	D&C	HEXANE:ACETONE	SOXTHERM	GC-MS
EPH (DRO)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH (MIN OIL)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH (CLEANED UP)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH CWG BY GC	D&C	HEXANE:ACETONE	END OVER END	GC-FID
PCB AROCLOR 1254 / PCB CON	D&C	HEXANE:ACETONE	END OVER END	GC-MS
POLYAROMATIC HYDROCARBONS (MS)	WET	HEXANE:ACETONE	MICROWAVE TM218.	GC-MS
>C6-C40	WET	HEXANE:ACETONE	SHAKER	GC-FID
POLYAROMATIC HYDROCARBONS RAPID GC	WET	HEXANE:ACETONE	SHAKER	GC-FID
SEMI VOLATILE ORGANIC COMPOUNDS	WET	DCM:ACETONE	SONICATE	GC-MS

LIQUID MATRICES EXTRACTION SUMMARY

ANALYSIS	EXTRACTION SOLVENT	EXTRACTION METHOD	ANALYSIS
PAH MS	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC MS
EPH	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
EPH CWG	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
MINERAL OIL	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
PCB 7 CONGENERS	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC MS
PCB AROCLOR 1254	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC MS
SVOC	DCM	LIQUID/LIQUID SHAKE	GC MS
FREE SULPHUR	DCM	SOLID PHASE EXTRACTION	HPLC
PESTOCP/OPP	DCM	LIQUID/LIQUID SHAKE	GC MS
TRIAZINE HERBS	DCM	LIQUID/LIQUID SHAKE	GC MS
PHENOLS MS	ACETONE	SOLID PHASE EXTRACTION	GC MS
TPH by INFRARED (IR)	TCE	STIRRED EXTRACTION (STIR-BAR)	IR
MINERAL OIL by IR	TCE	STIRRED EXTRACTION (STIR-BAR)	IR
GLYCOLS	NONE	DIRECT INJECTION	GC FID

Identification of Asbestos in Bulk Materials & Soils

The results for identification of asbestos in bulk materials are obtained from supplied bulk materials or those identified as potentially asbestos containing during sample description 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.

Monitor Phase 43_Commercial Area Validation Sampling (Atkins report 5041216/PLOTS/RPT/1016, May 2015)

Customer Sample ID	Depth	Sampled Date	Vinyl Chloride (ug/kg)	Dichloromethane (ug/kg)	trans1,2Dichloroethene (ug/kg)	cis1,2Dichloroethene (ug/kg)	Carbontetrachloride (ug/kg)	1,2 Dichloroethane (ug/kg)	Benzene (ug/kg)	Trichloroethene (ug/kg)	Tetrachloroethene (ug/kg)
CAEM TP21	0.50-	22/03/2013	200	200	220	100	280	100	180	180	100
CAEM TP21	3.00-	22/03/2013	200	200	220	100	280	100	558	180	100
CAV116	-	15/03/2013	200	200	220	100	280	100	180	180	100
CAV117	-	15/03/2013	200	200	220	100	280	100	180	180	100
CAV118	-	15/03/2013	200	200	220	100	280	100	180	180	100
CAV119	-	15/03/2013	200	200	220	100	280	100	180	180	100
CAV120	-	15/03/2013	200	200	220	100	280	100	180	180	100
CAEMV 87	-	04/02/2013	200	200	220	100	280	100	180	180	100
CAEMV 88	-	05/02/2013	200	200	220	100	280	100	180	180	100
CAEMV 89	-	05/02/2013	20	20	22	10	28	10	28.5	18	10
CAEMV 90	-	05/02/2013	10	10	11	5	14	5	14	9	5
CAEMV079	-	25/01/2013	10	10	11	5	14	5	14.3	9	5
CAEMV080	-	25/01/2013	200	200	220	100	280	100	180	180	100
DIME RTC			7800	3100000	33000	190000		9100		220000	

Monitor Phase 43_Basal Sampling

Sample Ref	Depth	DIME RTC (ug/kg)											
		BENZENE	M, P XYLENE	O-XYLENE	TPH ARO (C5-C7)	1,2-DICHLOROETHANE	TRICHLOROETHENE	TETRACHLOROETHENE	VINYL CHLORIDE	CARBON TETRACHLORIDE	DICHLOROMETHANE	CIS-1,2-DICHLOROETHENE	TRANS-1,2-DICHLOROETHENE
		47000				9100	220000		780		3100000	190000	330000
BOE TP 1	0.30-	<40	<24	<12	<40	<100	<140	<100	<200	<280	<100	<100	<220
BOE TP 1	1.40-	<200	<120	<60	<200	<100	<140	<100	<200	<280	<100	<100	<220
BOE TP 1	2.70-	<200	<120	<60	<200	<100	<140	<100	<200	<280	<100	<100	<220
BOE TP 2	0.40-	<40	<24	<12	<40	<100	<140	<100	<200	<280	<100	<100	<220
BOE TP 2	1.80-	<40	<24	<12	<40	<100	<140	<100	<200	<280	<100	<100	<220
BOE TP 2	3.10-	<100	2280	<30	<100	<100	<140	<100	<200	<280	<100	<100	<220
BOE TP 2	4.10-	<40	<24	<12	<40	<100	<140	<100	<200	<280	<100	<100	<220
BOE TP 3	0.30-	<40	<24	<12	<40	<100	<140	<100	<200	<280	<100	<100	<220
BOE TP 3	1.20-	206	11700	<30	206	<100	<140	<100	<200	<280	<100	<100	<220
BOE TP 3	2.30-	<40	<24	<12	<40								
BOE TP 3	3.60-	<40	<24	<12	<40								
BOE TP 4	0.20-	<40	<24	<12	<40	<100	<140	<100	<200	<280	<100	<100	<220
BOE TP 4	1.00-	<40	<24	<12	<40	<100	<140	<100	<200	<280	<100	<100	<220
BOE TP 4	2.10-	<40	56.5	<12	<40								
BOE TP 4	3.30-	<40	218	<12	<40								
BOE TP 5	0.40-	58.1	<24	<12	58.1	<100	<140	<100	<200	<280	<100	<100	<220
BOE TP 5	1.20-	<200	<120	<60	<200	<100	<140	<100	<200	<280	<100	<100	<220
BOE TP 5	2.10-	<200	12900	<60	<200								
BOE TP 5	3.20-	<40	154	<12	44.5								
BOE TP 6	0.30-	<200	<120	<60	<200	<100	<140	<100	<200	<280	<100	<100	<220
BOE TP 6	1.40-	<40	<24	<12	<40	<100	<140	<100	<200	<280	<100	<100	<220
BOE TP 6	2.20-	<40	<24	<12	<40								
BOE TP 6	3.20-	<40	113	<12	<40								
BOE TP 6	4.40-	<100	15800	<30	<100								
BOE TP 7	0.20-	<200	95200	<60	<200	<100	<140	<100	<200	<280	<100	<100	<220
BOE TP 7	1.30-	<40	1800	<12	<40	<100	<140	<100	<200	<280	<100	<100	<220
BOE TP 7	2.30-	<40	79.5	<12	<40								
BOE TP 7	3.00-	<40	<24	<12	<40								
BOE TP 7	4.10-	<40	686	<12	<40								
BOE TP 8	0.20-	<200	<120	<60	<200	<100	<140	<100	<200	<280	<100	<100	<220
BOE TP 8	1.10-	<40	<24	<12	<40	<100	<140	<100	<200	<280	<100	<100	<220
BOE TP 8	2.00-	<40	<24	<12	<40								
BOE TP 8	3.30-	<40	<24	<12	<40								
BOE TP 8	4.20-	<40	<24	<12	<40								
BOE TP 9	0.30-	<40	<24	<12	<40	<100	<140	<100	<200	<280	<100	<100	<220
BOE TP 9	1.20-	<40	88.3	<12	<40	<100	<140	<100	<200	<280	<100	<100	<220
BOE TP 9	2.20-	<40	474	<12	<40								
BOE TP 9	3.10-	<40	<24	<12	<40								
BOE TP 9	4.30-	<40	1030	<12	<40								
SF1		<40	<24	<12	<40	<100	<140	<100	<200	<280	<100	<100	<220
SF10		<40	44.4	57.6	<40	<100	<140	<100	<200	<280	<100	<100	<220
SF11		<40	<24	<12	<40	<100	<140	<100	<200	<280	<100	<100	<220
SF12		<40	32.8	<12	<40	<100	<140	<100	<200	<280	<100	<100	<220
SF13		<40	<24	<12	<40	<100	<140	<100	<200	<280	<100	<100	<220
SF14		<40	<24	<12	<40	<100	<140	<100	<200	<280	<100	<100	<220
SF15		<40	<24	<12	<40	<100	<140	<100	<200	<280	<100	<100	<220
SF16		<40	<24	<12	<40	<100	<140	<100	<200	<280	<100	<100	<220
SF17		<40	<24	<12	<40	<100	<140	<100	<200	<280	<100	<100	<220
SF18		<40	<24	<12	<40	<100	<140	<100	<200	<280	<100	<100	<220
SF2		<40	33.6	<12	<40	<100	<140	<100	<200	<280	<100	<100	<220
SF3		<40	<24	<12	<40	<100	<140	<100	<200	<280	<100	<100	<220
SF4		<40	<24	<12	<40	<100	<140	<100	<200	<280	<100	<100	<220
SF5		<40	<24	<12	<40	<100	<140	<100	<200	<280	<100	<100	<220
SF6		<40	<24	<12	<40	<100	<140	<100	<200	<280	<100	<100	<220
SF7		<40	<24	<12	<40	<100	<140	<100	<200	<280	<100	<100	<220
SF8		<40	<24	<12	<40	<100	<140	<100	<200	<280	<100	<100	<220
SF9		<40	<24	<12	<40	<100	<140	<100	<200	<280	<100	<100	<220
BOE TP 11	0.50-	<40	<24	<12	<40	<100	<140	<100	<200	<280	<100	<100	<220
BOE TP 11	1.00-	<40	<24	<12	<40	<100	<140	<100	<200	<280	<100	<100	<220
BOE TP 11	2.00-	<40	<24	<12	<40	<100	<140	<100	<200	<280	<100	<100	<220
BOE TP 11	3.00-	<40	<24	<12	<40	<100	<140	<100	<200	<280	<100	<100	<220
BOE TP10	0.50-	<40	1960	412	<40	<100	<140	<100	<200	<280	<100	<100	<220
BOE TP10	1.50-	<40	328	178	<40	<100	<140	<100	<200	<280	<100	<100	<220
BOE TP10	2.50-	<40	524	194	<40	<100	<140	<100	<200	<280	<100	<100	<220
BOE TP10	3.50-	<40	<24	<12	<40	<100	<140	<100	<200	<280	<100	<100	<220
BOE TP10	4.50-	<40	<24	<12	<40	<100	<140	<100	<200	<280	<100	<100	<220
SW corner face 01	2.00-	<40	<24	<12	<40	<100	<140	<100	<200	<280	<100	<100	<220
SW corner face 02	2.00-	<40	<24	<12	<40	<100	<140	<100	<200	<280	<100	<100	<220
SW corner face 03	2.00-	<40	<24	<12	<40	<100	<140	<100	<200	<280	<100	<100	<220
SW corner face 04	2.00-	<40	<24	<12	<40	<100	<140	<100	<200	<280	<100	<100	<220
SW corner face 05	2.00-	<40	<24	<12	<40	<100	<140	<100	<200	<280	<100	<100	<220
SW corner face 06	2.00-	<40	<24	<12	<40	<100	<140	<100	<200	<280	<100	<100	<220

Monitor Phase 43_Basal Sampling

Sample Ref	Depth	DIME RTC (ug/kg)											
		BENZENE	M, P XYLENE	O-XYLENE	TPH ARO (C5-C7)	1,2-DICHLOROETHANE	TRICHLOROETHENE	TETRACHLOROETHENE	VINYL CHLORIDE	CARBON TETRACHLORIDE	DICHLOROMETHANE	CIS-1,2-DICHLOROETHENE	TRANS-1,2-DICHLOROETHENE
		47000				9100	220000		780		3100000	190000	330000
DIME BASE 1		<10	97.4	<3	<100	<5	<9	<5	<10	<14	<10	<5	<11
DIME BASE 2		<10	<6	<3	<100	64.5	<9	<5	<10	<14	17.1	<5	<11
DIME BASE 3		<10	<6	<3	<100	435	<9	<5	<10	<14	<200	<5	<11
DIME BASE 4		<10	<6	7.6	<100	191	<9	<5	<10	<14	<10	<5	<11
DIME BASE 5		<10	<6	<3	<100	3280	<9	<5	<10	<14	1350	<5	<11
DIME BASE 6		<10	<6	<3	<100	1690	<9	<5	<10	<14	944	<5	<11
DIME BASE 7		<10	44.5	39.8	<100	5060	<9	<5	<10	<14	1720	<5	<11
DIME BASE 8		<10	<6	<3	<100	10200	<9	<5	<10	<14	3980	<5	<11
DIME BASE 9		<10	13.6	9.04	<100	195	<9	<5	<10	<14	<200	<5	<11
DIME BASE 10		<10	13.4	7.84	<100	4390	<9	<5	<10	<14	42.9	<5	<11
DIME BASE 11		<10	<6	<3	<100	<5	<9	<5	<10	<14	<10	<5	<11
DIME BASE 12		15	<6	<3	15	139	<9	<5	<10	<14	17.5	<5	<11
DIME BASE 8B		<10	19.9	<3	<100	6050	<9	<5	<10	<14	737	<5	<11
EMB1		<10	<6	<3	<100	<5	<9	<5	<10	<14	<10	<5	<11
EMB2		<10	<6	<3	<100	<5	<9	<5	<10	<14	<10	<5	<11
EMB3		<10	<6	<3	<100	<5	<9	<5	<10	<14	<10	<5	<11
EMB4		<10	<6	<3	<100	<5	<9	<5	<10	<14	<10	<5	<11
EMB5		<10	<6	<3	<100	<5	<9	<5	<10	<14	<10	<5	<11
RECREATIONAL RBSL (>1m Depth) ug/kg		4800	478000		432 000	6000	269000	1780000	8210	301000	6220000	881000	881000

ALcontrol Laboratories

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Project Jonah site office
Llan Coed House
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Coed Darcy
Llandarcy
SA10 6HJ

Attention: Barney Irlam

CERTIFICATE OF ANALYSIS

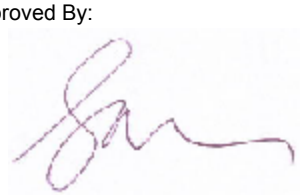
Date:	01 October 2014
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	140922-30
Your Reference:	Comm Area SW corner BOE
Location:	coed Darcy
Report No:	286058

We received 9 samples on Monday September 22, 2014 and 9 of these samples were scheduled for analysis which was completed on Wednesday October 01, 2014. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

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

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

Approved By:



Sonia McWhan

Operations Manager

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CERTIFICATE OF ANALYSIS

SDG:	140922-30	**Location:**	coed Darcy	**Order Number:**	cd0843
Job:	H_ATKINS_LDC-260	**Customer:**	Atkins Global Ltd	**Report Number:**	286058
Client Reference:	Comm Area SW corner BOE	**Attention:**	Barney Irlam	**Superseded Report:**	

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
10037034	BOE TP10		0.50	18/09/2014
10037039	BOE TP10		1.50	18/09/2014
10037045	BOE TP10		2.50	18/09/2014
10037051	BOE TP10		3.50	18/09/2014
10037057	BOE TP10		4.50	18/09/2014
10037062	BOE TP 11		0.50	18/09/2014
10037067	BOE TP 11		1.00	18/09/2014
10037073	BOE TP 11		2.00	18/09/2014
10037078	BOE TP 11		3.00	18/09/2014

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

CERTIFICATE OF ANALYSIS

SDG:	140922-30	**Location:**	coed Darcy	**Order Number:**	cd0843
Job:	H_ATKINS_LDC-260	**Customer:**	Atkins Global Ltd	**Report Number:**	286058
Client Reference:	Comm Area SW corner BOE	**Attention:**	Barney Irlam	**Superseded Report:**	

SOLID

Results Legend

X **Test**

N **No Determination Possible**

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 9	10037034	BOE TP10		0.50	250g Amber Jar (AL)
							400g Tub (ALE214)
							60g VOC (ALE215)
			10037039	BOE TP10		1.50	250g Amber Jar (AL)
							400g Tub (ALE214)
							60g VOC (ALE215)
			10037045	BOE TP10		2.50	250g Amber Jar (AL)
							400g Tub (ALE214)
							60g VOC (ALE215)
			10037051	BOE TP10		3.50	250g Amber Jar (AL)
							400g Tub (ALE214)
							60g VOC (ALE215)
			10037057	BOE TP10		4.50	250g Amber Jar (AL)
							400g Tub (ALE214)
							60g VOC (ALE215)
			10037062	BOE TP11		0.50	250g Amber Jar (AL)
							400g Tub (ALE214)
							60g VOC (ALE215)
			10037067	BOE TP11		1.00	250g Amber Jar (AL)
							400g Tub (ALE214)
							60g VOC (ALE215)
			10037073	BOE TP11		2.00	250g Amber Jar (AL)
							400g Tub (ALE214)
							60g VOC (ALE215)
			10037078	BOE TP11		3.00	250g Amber Jar (AL)
							400g Tub (ALE214)
							60g VOC (ALE215)
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 9	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 9		X		X		X		X		X		X		X		X		X		X		X	
Metals in solid samples by OES	All	NDPs: 0 Tests: 9	X		X		X		X		X		X		X		X		X		X		X		
PAH by GCMS	All	NDPs: 0 Tests: 9	X		X		X		X		X		X		X		X		X		X		X		
pH	All	NDPs: 0 Tests: 9		X		X		X		X		X		X		X		X		X		X		X	
Sample description	All	NDPs: 0 Tests: 9	X		X		X		X		X		X		X		X		X		X		X		
Total Organic Carbon	All	NDPs: 0 Tests: 2	X																X						
TPH CWG GC (S)	All	NDPs: 0 Tests: 9	X		X		X		X		X		X		X		X		X		X		X		
VOC MS (S)	All	NDPs: 0 Tests: 9		X		X		X		X		X		X		X		X		X		X		X	

CERTIFICATE OF ANALYSIS

SDG:	140922-30	**Location:**	coed Darcy	**Order Number:**	cd0843
Job:	H_ATKINS_LDC-260	**Customer:**	Atkins Global Ltd	**Report Number:**	286058
Client Reference:	Comm Area SW corner BOE	**Attention:**	Barney Irlam	**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
10037034	BOE TP10	0.50	Light Brown	Loamy Sand	0.1 - 2 mm	Oil/Petroleum	Stones
10037039	BOE TP10	1.50	Light Brown	Loamy Sand	0.1 - 2 mm	Oil/Petroleum	Stones
10037045	BOE TP10	2.50	Grey	Sandy Loam	0.1 - 2 mm	Stones	None
10037051	BOE TP10	3.50	Dark Brown	Sandy Loam	2 - 10 mm	Stones	None
10037057	BOE TP10	4.50	Light Brown	Loamy Sand	0.1 - 2 mm	Stones	None
10037062	BOE TP 11	0.50	Grey	Stone/Soil	2 - 10 mm	None	None
10037067	BOE TP 11	1.00	Dark Brown	Sandy Loam	2 - 10 mm	Stones	None
10037073	BOE TP 11	2.00	Light Brown	Sandy Loam	0.1 - 2 mm	Stones	None
10037078	BOE TP 11	3.00	Light Brown	Loamy Sand	0.1 - 2 mm	Stones	None

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

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

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

CERTIFICATE OF ANALYSIS

SDG:	140922-30	**Location:**	coed Darcy	**Order Number:**	cd0843
Job:	H_ATKINS_LDC-260	**Customer:**	Atkins Global Ltd	**Report Number:**	286058
Client Reference:	Comm Area SW corner BOE	**Attention:**	Barney Irlam	**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	BOE TP10	BOE TP10	BOE TP10	BOE TP10	BOE TP10	BOE TP 11
			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	18/09/2014	18/09/2014	18/09/2014	18/09/2014	18/09/2014	18/09/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/09/2014	22/09/2014	22/09/2014	22/09/2014	22/09/2014	22/09/2014
			SDG Ref	140922-30	140922-30	140922-30	140922-30	140922-30	140922-30
			Lab Sample No.(s)	10037034	10037039	10037045	10037051	10037057	10037062
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		13	10	9.8	8.2	11	6.8
Soil Organic Matter (SOM)	<0.35 %	TM132		1.32 #					
pH	1 pH Units	TM133		9.44 M	9.85 M	10.1 M	9.29 M	8.73 M	9.03 #
Arsenic	<0.6 mg/kg	TM181		8.5 M	7.31 M	8.74 M	6.53 M	10.5 M	5.67 #
Cadmium	<0.02 mg/kg	TM181		0.369 M	0.354 M	0.579 M	0.521 M	1 M	0.449 #
Chromium	<0.9 mg/kg	TM181		8.82 M	12.2 M	15.2 M	15.6 M	18.3 M	12.9 #
Copper	<1.4 mg/kg	TM181		9.1 M	10.2 M	11 M	9.36 M	<14 M	11.1 #
Lead	<0.7 mg/kg	TM181		10.3 M	10.6 M	12.9 M	12.2 M	15.9 M	10.5 #
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 #
Nickel	<0.2 mg/kg	TM181		17.9 M	24.8 M	28.9 M	30.2 M	28.3 M	25.2 #
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<10 #	<1 #
Vanadium	<0.2 mg/kg	TM181		10.5 #	12.5 #	14.2 #	15.2 #	13 #	11.8 #
Zinc	<1.9 mg/kg	TM181		52.2 M	74.2 M	73.7 M	72.1 M	77.1 M	61.7 #

CERTIFICATE OF ANALYSIS

SDG:	140922-30	**Location:**	coed Darcy	**Order Number:**	cd0843
Job:	H_ATKINS_LDC-260	**Customer:**	Atkins Global Ltd	**Report Number:**	286058
Client Reference:	Comm Area SW corner BOE	**Attention:**	Barney Irlam	**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	BOE TP 11	BOE TP 11	BOE TP 11			
			Depth (m)	1.00	2.00	3.00			
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid			
			Date Sampled	18/09/2014	18/09/2014	18/09/2014			
			Sample Time	.	.	.			
			Date Received	22/09/2014	22/09/2014	22/09/2014			
			SDG Ref	140922-30	140922-30	140922-30			
			Lab Sample No.(s)	10037067	10037073	10037078			
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		11	9.3	8.9			
Soil Organic Matter (SOM)	<0.35 %	TM132			0.409 #				
pH	1 pH Units	TM133		8.89 M	8.17 M	7.83 M			
Arsenic	<0.6 mg/kg	TM181		9.14 M	9.26 M	8.7 M			
Cadmium	<0.02 mg/kg	TM181		0.698 M	0.459 M	0.642 M			
Chromium	<0.9 mg/kg	TM181		17.5 M	16.8 M	17.5 M			
Copper	<1.4 mg/kg	TM181		16.1 M	7.52 M	8.46 M			
Lead	<0.7 mg/kg	TM181		15.2 M	11.1 M	10.7 M			
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M			
Nickel	<0.2 mg/kg	TM181		33.9 M	29.6 M	26.6 M			
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #			
Vanadium	<0.2 mg/kg	TM181		16.1 #	11.3 #	12.5 #			
Zinc	<1.9 mg/kg	TM181		89.5 M	64.4 M	65.6 M			

CERTIFICATE OF ANALYSIS

SDG:	140922-30	**Location:**	coed Darcy	**Order Number:**	cd0843
Job:	H_ATKINS_LDC-260	**Customer:**	Atkins Global Ltd	**Report Number:**	286058
Client Reference:	Comm Area SW corner BOE	**Attention:**	Barney Irlam	**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	BOE TP10	BOE TP10	BOE TP10	BOE TP10	BOE TP10	BOE TP 11
			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	18/09/2014	18/09/2014	18/09/2014	18/09/2014	18/09/2014	18/09/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/09/2014	22/09/2014	22/09/2014	22/09/2014	22/09/2014	22/09/2014
			SDG Ref	140922-30	140922-30	140922-30	140922-30	140922-30	140922-30
			Lab Sample No.(s)	10037034	10037039	10037045	10037051	10037057	10037062
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		86.4	85	87.8	87	88.3	99.5
Acenaphthene-d10 % recovery**	%	TM218		84	84.3	86.1	84.8	85.2	101
Phenanthrene-d10 % recovery**	%	TM218		83.1	81.6	84.2	82.2	83.4	96.1
Chrysene-d12 % recovery**	%	TM218		87.8	86.6	90.5	88	88.1	88.3
Perylene-d12 % recovery**	%	TM218		81.2	82.8	86.8	84.3	83.1	92.1
Naphthalene	<9 µg/kg	TM218		234 M	39.5 M	<9 M	<9 M	<9 M	<9 #
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	<12 M	<12 M	<12 #
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	10.2 M	<8 M	<8 M	<8 #
Fluorene	<10 µg/kg	TM218		<10 M	<10 M	<10 M	<10 M	<10 M	<10 #
Phenanthrene	<15 µg/kg	TM218		75.7 M	63.9 M	43.9 M	<15 M	<15 M	<15 #
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	<16 M	<16 M	<16 M	<16 #
Fluoranthene	<17 µg/kg	TM218		<17 M	<17 M	<17 M	<17 M	<17 M	<17 #
Pyrene	<15 µg/kg	TM218		<15 M	<15 M	<15 M	<15 M	<15 M	<15 #
Benz(a)anthracene	<14 µg/kg	TM218		<14 M	<14 M	<14 M	<14 M	<14 M	<14 #
Chrysene	<10 µg/kg	TM218		<10 M	<10 M	<10 M	<10 M	<10 M	<10 #
Benzo(b)fluoranthene	<15 µg/kg	TM218		<15 M	<15 M	<15 M	<15 M	<15 M	<15 #
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	<14 M	<14 M	<14 M	<14 M	<14 #
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	<15 M	<15 M	<15 M	<15 M	<15 #
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	<18 M	<18 M	<18 M	<18 M	<18 #
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	<23 M	<23 M	<23 #
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	<24 M	<24 M	<24 M	<24 M	<24 #
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		310	<118	<118	<118	<118	<118

CERTIFICATE OF ANALYSIS

SDG:	140922-30	**Location:**	coed Darcy	**Order Number:**	cd0843
Job:	H_ATKINS_LDC-260	**Customer:**	Atkins Global Ltd	**Report Number:**	286058
Client Reference:	Comm Area SW corner BOE	**Attention:**	Barney Irlam	**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	BOE TP 11	BOE TP 11	BOE TP 11			
			Depth (m)	1.00	2.00	3.00			
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid			
			Date Sampled	18/09/2014	18/09/2014	18/09/2014			
			Sample Time	.	.	.			
			Date Received	22/09/2014	22/09/2014	22/09/2014			
			SDG Ref	140922-30	140922-30	140922-30			
			Lab Sample No.(s)	10037067	10037073	10037078			
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		100	88.9	87.2			
Acenaphthene-d10 % recovery**	%	TM218		99.6	85.8	84.2			
Phenanthrene-d10 % recovery**	%	TM218		95.5	83.7	82.8			
Chrysene-d12 % recovery**	%	TM218		87.7	90.1	87.5			
Perylene-d12 % recovery**	%	TM218		90	85.5	81.7			
Naphthalene	<9 µg/kg	TM218		<9 M	<9 M	<9 M			
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M			
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	<8 M			
Fluorene	<10 µg/kg	TM218		<10 M	<10 M	<10 M			
Phenanthrene	<15 µg/kg	TM218		<15 M	<15 M	<15 M			
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	<16 M			
Fluoranthene	<17 µg/kg	TM218		<17 M	<17 M	<17 M			
Pyrene	<15 µg/kg	TM218		<15 M	<15 M	<15 M			
Benz(a)anthracene	<14 µg/kg	TM218		<14 M	<14 M	<14 M			
Chrysene	<10 µg/kg	TM218		<10 M	<10 M	<10 M			
Benzo(b)fluoranthene	<15 µg/kg	TM218		19.6 M	<15 M	<15 M			
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	<14 M	<14 M			
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	<15 M	<15 M			
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	<18 M	<18 M			
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M			
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	<24 M	<24 M			
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		<118	<118	<118			

CERTIFICATE OF ANALYSIS

SDG:	140922-30	**Location:**	coed Darcy	**Order Number:**	cd0843
Job:	H_ATKINS_LDC-260	**Customer:**	Atkins Global Ltd	**Report Number:**	286058
Client Reference:	Comm Area SW corner BOE	**Attention:**	Barney Irlam	**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	BOE TP10	BOE TP10	BOE TP10	BOE TP10	BOE TP10	BOE TP 11
			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	18/09/2014	18/09/2014	18/09/2014	18/09/2014	18/09/2014	18/09/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/09/2014	22/09/2014	22/09/2014	22/09/2014	22/09/2014	22/09/2014
			SDG Ref	140922-30	140922-30	140922-30	140922-30	140922-30	140922-30
			Lab Sample No.(s)	10037034	10037039	10037045	10037051	10037057	10037062
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		115	114	124	113	118	113
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		17800 M	4670 M	3430 M	<176 M	<176 M	298 #
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		39.9 M	21.3 M	12.2 M	<8 M	<8 M	<8 #
Ethylbenzene	<3 µg/kg	TM089		666 M	136 M	150 M	<12 M	<12 M	<12 #
m,p-Xylene	<6 µg/kg	TM089		1960 M	328 M	524 M	<24 M	<24 M	<24 #
o-Xylene	<3 µg/kg	TM089		412 M	178 M	194 M	<12 M	<12 M	<12 #
sum of detected mpo xylene by GC	<9 µg/kg	TM089		2370	506	718	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		3080	663	880	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		402	209	152	<40	<40	<40
Aliphatics >C8-C10	<10 µg/kg	TM089		4830	1210	859	<40	<40	67.6
Aliphatics >C10-C12	<10 µg/kg	TM089		3720	1050	562	<40	<40	93.4
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	866	<100	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		<100	866	<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		6260	1450	1440	<40	<40	47.2
Aromatics >EC10-EC12	<10 µg/kg	TM089		2480	700	375	<40	<40	62.2
Aromatics >EC12-EC16	<100 µg/kg	TM173		6280	925	<100	<100	<100	548
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		6280	925	<100	<100	<100	548
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		24100	6470	3430	<100	<100	847
Aromatics >EC16-EC35	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140922-30	**Location:**	coed Darcy	**Order Number:**	cd0843
Job:	H_ATKINS_LDC-260	**Customer:**	Atkins Global Ltd	**Report Number:**	286058
Client Reference:	Comm Area SW corner BOE	**Attention:**	Barney Irlam	**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	BOE TP 11	BOE TP 11	BOE TP 11			
			Depth (m)	1.00	2.00	3.00			
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid			
			Date Sampled	18/09/2014	18/09/2014	18/09/2014			
			Sample Time	.	.	.			
			Date Received	22/09/2014	22/09/2014	22/09/2014			
			SDG Ref	140922-30	140922-30	140922-30			
			Lab Sample No.(s)	10037067	10037073	10037078			
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		117	124	119			
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		2910 M	<176 M	<176 M			
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 M	<20 M	<20 M			
Benzene	<10 µg/kg	TM089		<40 M	<40 M	<40 M			
Toluene	<2 µg/kg	TM089		<8 M	<8 M	<8 M			
Ethylbenzene	<3 µg/kg	TM089		<12 M	<12 M	<12 M			
m,p-Xylene	<6 µg/kg	TM089		<24 M	<24 M	<24 M			
o-Xylene	<3 µg/kg	TM089		<12 M	<12 M	<12 M			
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9			
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24			
Aliphatics >C5-C6	<10 µg/kg	TM089		<40	<40	<40			
Aliphatics >C6-C8	<10 µg/kg	TM089		<40	<40	<40			
Aliphatics >C8-C10	<10 µg/kg	TM089		338	<40	<40			
Aliphatics >C10-C12	<10 µg/kg	TM089		1370	<40	<40			
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	<100			
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	<100			
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	<100	<100			
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	<100			
Total Aliphatics >C12-C44	<100 µg/kg	TM173		<100	<100	<100			
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40	<40	<40			
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40	<40	<40			
Aromatics >EC8-EC10	<10 µg/kg	TM089		244	<40	<40			
Aromatics >EC10-EC12	<10 µg/kg	TM089		915	<40	<40			
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	<100			
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	<100	<100			
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	<100	<100			
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	<100	<100			
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	<100	<100			
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		<100	<100	<100			
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		2900	<100	<100			
Aromatics >EC16-EC35	<100 µg/kg	TM173		<100	<100	<100			

CERTIFICATE OF ANALYSIS

SDG:	140922-30	**Location:**	coed Darcy	**Order Number:**	cd0843
Job:	H_ATKINS_LDC-260	**Customer:**	Atkins Global Ltd	**Report Number:**	286058
Client Reference:	Comm Area SW corner BOE	**Attention:**	Barney Irlam	**Superseded Report:**	

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	BOE TP10	BOE TP10	BOE TP10	BOE TP10	BOE TP10	BOE TP 11
			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	18/09/2014	18/09/2014	18/09/2014	18/09/2014	18/09/2014	18/09/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/09/2014	22/09/2014	22/09/2014	22/09/2014	22/09/2014	22/09/2014
			SDG Ref	140922-30	140922-30	140922-30	140922-30	140922-30	140922-30
			Lab Sample No.(s)	10037034	10037039	10037045	10037051	10037057	10037062
			AGS Reference						
Dibromofluoromethane**	%	TM116		108	99.5	102	104	100	99.7
Toluene-d8**	%	TM116		94.3	99.9	96.4	94.9	96.1	97.1
4-Bromofluorobenzene**	%	TM116		72.3	98.8	76.7	74	72.8	79.7
Dichlorodifluoromethane	<6 µg/kg	TM116		<6 M	<60 M	<6 M	<6 M	<6 M	<6 #
Chloromethane	<7 µg/kg	TM116		<7 #	<70 #	<7 #	<7 #	<7 #	<7 #
Vinyl Chloride	<6 µg/kg	TM116		<6 M	<60 M	<6 M	<6 M	<6 M	<6 #
Bromomethane	<10 µg/kg	TM116		<10 M	<100 M	<10 M	<10 M	<10 M	<10 #
Chloroethane	<10 µg/kg	TM116		<10 M	<100 M	<10 M	<10 M	<10 M	<10 #
Trichlorofluorormethane	<6 µg/kg	TM116		<6 M	<60 M	<6 M	<6 M	<6 M	<6 #
1,1-Dichloroethene	<10 µg/kg	TM116		<10 #	<100 #	<10 #	<10 #	<10 #	<10 #
Carbon Disulphide	<7 µg/kg	TM116		<7 M	<70 M	<7 M	<7 M	<7 M	<7 #
Dichloromethane	<10 µg/kg	TM116		<10 #	<100 #	<10 #	<10 #	<10 #	<10 #
Methyl Tertiary Butyl Ether	<10 µg/kg	TM116		<10 M	<100 M	<10 M	<10 M	<10 M	<10 #
trans-1,2-Dichloroethene	<10 µg/kg	TM116		<10 M	<100 M	<10 M	<10 M	<10 M	<10 #
1,1-Dichloroethane	<8 µg/kg	TM116		<8 M	<80 M	<8 M	<8 M	<8 M	<8 #
cis-1,2-Dichloroethene	<6 µg/kg	TM116		<6 M	<60 M	<6 M	<6 M	<6 M	<6 #
2,2-Dichloropropane	<10 µg/kg	TM116		<10 M	<100 M	<10 M	<10 M	<10 M	<10 #
Bromochloromethane	<10 µg/kg	TM116		<10 M	<100 M	<10 M	<10 M	<10 M	<10 #
Chloroform	<8 µg/kg	TM116		<8 M	<80 M	<8 M	<8 M	<8 M	<8 #
1,1,1-Trichloroethane	<7 µg/kg	TM116		<7 M	<70 M	<7 M	<7 M	<7 M	<7 #
1,1-Dichloropropene	<10 µg/kg	TM116		<10 M	<100 M	<10 M	<10 M	<10 M	<10 #
Carbontetrachloride	<10 µg/kg	TM116		<10 M	<100 M	<10 M	<10 M	<10 M	<10 #
1,2-Dichloroethane	<5 µg/kg	TM116		<5 M	<50 M	<5 M	<5 M	<5 M	<5 #
Benzene	<9 µg/kg	TM116		21.8 M	<90 M	10.1 M	<9 M	<9 M	<9 #
Trichloroethene	<9 µg/kg	TM116		<9 #	<90 #	<9 #	<9 #	<9 #	<9 #
1,2-Dichloropropane	<10 µg/kg	TM116		<10 M	<100 M	<10 M	<10 M	<10 M	<10 #
Dibromomethane	<9 µg/kg	TM116		<9 M	<90 M	<9 M	<9 M	<9 M	<9 #
Bromodichloromethane	<7 µg/kg	TM116		<7 M	<70 M	<7 M	<7 M	<7 M	<7 #
cis-1,3-Dichloropropene	<10 µg/kg	TM116		<10 M	<100 M	<10 M	<10 M	<10 M	<10 #
Toluene	<7 µg/kg	TM116		25.4 M	<70 M	9.78 M	<7 M	<7 M	<7 #
trans-1,3-Dichloropropene	<10 µg/kg	TM116		<10	<100	<10	<10	<10	<10
1,1,2-Trichloroethane	<10 µg/kg	TM116		<10 M	<100 M	<10 M	<10 M	<10 M	<10 #

CERTIFICATE OF ANALYSIS

SDG:	140922-30	**Location:**	coed Darcy	**Order Number:**	cd0843
Job:	H_ATKINS_LDC-260	**Customer:**	Atkins Global Ltd	**Report Number:**	286058
Client Reference:	Comm Area SW corner BOE	**Attention:**	Barney Irlam	**Superseded Report:**	

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	BOE TP10	BOE TP10	BOE TP10	BOE TP10	BOE TP10	BOE TP 11
			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	18/09/2014	18/09/2014	18/09/2014	18/09/2014	18/09/2014	18/09/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/09/2014	22/09/2014	22/09/2014	22/09/2014	22/09/2014	22/09/2014
			SDG Ref	140922-30	140922-30	140922-30	140922-30	140922-30	140922-30
			Lab Sample No.(s)	10037034	10037039	10037045	10037051	10037057	10037062
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<7 M	<70 M	<7 M	<7 M	<7 M	<7 #
Tetrachloroethene	<5 µg/kg	TM116		<5 M	<50 M	<5 M	<5 M	<5 M	<5 #
Dibromochloromethane	<10 µg/kg	TM116		<10 M	<100 M	<10 M	<10 M	<10 M	<10 #
1,2-Dibromoethane	<10 µg/kg	TM116		<10 M	<100 M	<10 M	<10 M	<10 M	<10 #
Chlorobenzene	<5 µg/kg	TM116		<5 M	<50 M	<5 M	<5 M	<5 M	<5 #
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<10 M	<100 M	<10 M	<10 M	<10 M	<10 #
Ethylbenzene	<4 µg/kg	TM116		331 M	75.5 M	70.4 M	<4 M	<4 M	<4 #
p/m-Xylene	<10 µg/kg	TM116		976 #	215 #	231 #	<10 #	<10 #	<10 #
o-Xylene	<10 µg/kg	TM116		186 M	<100 M	83.4 M	<10 M	<10 M	<10 #
Styrene	<10 µg/kg	TM116		<10 #	<100 #	<10 #	<10 #	<10 #	<10 #
Bromoform	<10 µg/kg	TM116		<10 M	<100 M	<10 M	<10 M	<10 M	<10 #
Isopropylbenzene	<5 µg/kg	TM116		196 #	<50 #	43.2 #	<5 #	<5 #	<5 #
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<10 M	<100 M	<10 M	<10 M	<10 M	<10 #
1,2,3-Trichloropropane	<16 µg/kg	TM116		<16 M	<160 M	<16 M	<16 M	<16 M	<16 #
Bromobenzene	<10 µg/kg	TM116		<10 M	<100 M	<10 M	<10 M	<10 M	<10 #
Propylbenzene	<10 µg/kg	TM116		144 M	<100 M	17.1 M	<10 M	<10 M	<10 #
2-Chlorotoluene	<9 µg/kg	TM116		<9 M	<90 M	<9 M	<9 M	<9 M	<9 #
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		377 M	122 M	43.6 M	<8 M	<8 M	<8 #
4-Chlorotoluene	<10 µg/kg	TM116		<10 M	<100 M	<10 M	<10 M	<10 M	<10 #
tert-Butylbenzene	<14 µg/kg	TM116		<14 M	<140 M	<14 M	<14 M	<14 M	<14 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		1660 #	338 #	218 #	<9 #	<9 #	<9 #
sec-Butylbenzene	<10 µg/kg	TM116		46.4 M	<100 M	<10 M	<10 M	<10 M	<10 #
4-Isopropyltoluene	<10 µg/kg	TM116		21.9 M	<100 M	<10 M	<10 M	<10 M	<10 #
1,3-Dichlorobenzene	<8 µg/kg	TM116		<8 M	<80 M	<8 M	<8 M	<8 M	<8 #
1,4-Dichlorobenzene	<5 µg/kg	TM116		<5 M	<50 M	<5 M	<5 M	<5 M	<5 #
n-Butylbenzene	<11 µg/kg	TM116		<11	<110	<11	<11	<11	<11
1,2-Dichlorobenzene	<10 µg/kg	TM116		<10 M	<100 M	<10 M	<10 M	<10 M	<10 #
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<14 M	<140 M	<14 M	<14 M	<14 M	<14 #
Tert-amyl methyl ether	<10 µg/kg	TM116		<10 #	<100 #	<10 #	<10 #	<10 #	<10 #
1,2,4-Trichlorobenzene	<20 µg/kg	TM116		<20	<200	<20	<20	<20	<20
Hexachlorobutadiene	<20 µg/kg	TM116		<20	<200	<20	<20	<20	<20
Naphthalene	<13 µg/kg	TM116		208 M	<130 M	<13 M	<13 M	<13 M	<13 #

CERTIFICATE OF ANALYSIS

SDG:	140922-30	**Location:**	coed Darcy	**Order Number:**	cd0843
Job:	H_ATKINS_LDC-260	**Customer:**	Atkins Global Ltd	**Report Number:**	286058
Client Reference:	Comm Area SW corner BOE	**Attention:**	Barney Irlam	**Superseded Report:**	

VOC MS (S)

Results Legend		Customer Sample R	BOE TP10	BOE TP10	BOE TP10	BOE TP10	BOE TP10	BOE TP 11
#	ISO17025 accredited.							
M	*m*CERTS accredited.							
aq	Aqueous / settled sample.							
diss.filt	Dissolved / filtered sample.	Depth (m)	0.50	1.50	2.50	3.50	4.50	0.50
tot.unfilt	Total / unfiltered sample.	Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
*	Subcontracted test.	Date Sampled	18/09/2014	18/09/2014	18/09/2014	18/09/2014	18/09/2014	18/09/2014
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery	Sample Time	.	.	.	.	.	.
		Date Received	22/09/2014	22/09/2014	22/09/2014	22/09/2014	22/09/2014	22/09/2014
		SDG Ref	140922-30	140922-30	140922-30	140922-30	140922-30	140922-30
(F)	Trigger breach confirmed	Lab Sample No.(s)	10037034	10037039	10037045	10037051	10037057	10037062
1-5&+§@	Sample deviation (see appendix)	AGS Reference						

Component	LOD/Units	Method						
1,2,3-Trichlorobenzene	<20 µg/kg	TM116	<20 #	<200 #	<20 #	<20 #	<20 #	<20 #

CERTIFICATE OF ANALYSIS

SDG:	140922-30	**Location:**	coed Darcy	**Order Number:**	cd0843
Job:	H_ATKINS_LDC-260	**Customer:**	Atkins Global Ltd	**Report Number:**	286058
Client Reference:	Comm Area SW corner BOE	**Attention:**	Barney Irlam	**Superseded Report:**	

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	BOE TP 11	BOE TP 11	BOE TP 11			
			Depth (m)	1.00	2.00	3.00			
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid			
			Date Sampled	18/09/2014	18/09/2014	18/09/2014			
			Sample Time	.	.	.			
			Date Received	22/09/2014	22/09/2014	22/09/2014			
			SDG Ref	140922-30	140922-30	140922-30			
			Lab Sample No.(s)	10037067	10037073	10037078			
			AGS Reference						
Dibromofluoromethane**	%	TM116		105	103	106			
Toluene-d8**	%	TM116		95	98.8	99.2			
4-Bromofluorobenzene**	%	TM116		74.2	88.4	88.6			
Dichlorodifluoromethane	<6 µg/kg	TM116		<6 M	<6 M	<6 M			
Chloromethane	<7 µg/kg	TM116		<7 #	<7 #	<7 #			
Vinyl Chloride	<6 µg/kg	TM116		<6 M	<6 M	<6 M			
Bromomethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M			
Chloroethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M			
Trichlorofluorormethane	<6 µg/kg	TM116		<6 M	<6 M	<6 M			
1,1-Dichloroethene	<10 µg/kg	TM116		<10 #	<10 #	<10 #			
Carbon Disulphide	<7 µg/kg	TM116		<7 M	<7 M	<7 M			
Dichloromethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #			
Methyl Tertiary Butyl Ether	<10 µg/kg	TM116		<10 M	<10 M	<10 M			
trans-1,2-Dichloroethene	<10 µg/kg	TM116		<10 M	<10 M	<10 M			
1,1-Dichloroethane	<8 µg/kg	TM116		<8 M	<8 M	<8 M			
cis-1,2-Dichloroethene	<6 µg/kg	TM116		<6 M	<6 M	<6 M			
2,2-Dichloropropane	<10 µg/kg	TM116		<10 M	<10 M	<10 M			
Bromochloromethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M			
Chloroform	<8 µg/kg	TM116		<8 M	<8 M	<8 M			
1,1,1-Trichloroethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M			
1,1-Dichloropropene	<10 µg/kg	TM116		<10 M	<10 M	<10 M			
Carbontetrachloride	<10 µg/kg	TM116		<10 M	<10 M	<10 M			
1,2-Dichloroethane	<5 µg/kg	TM116		<5 M	<5 M	<5 M			
Benzene	<9 µg/kg	TM116		<9 M	<9 M	<9 M			
Trichloroethene	<9 µg/kg	TM116		<9 #	<9 #	<9 #			
1,2-Dichloropropane	<10 µg/kg	TM116		<10 M	<10 M	<10 M			
Dibromomethane	<9 µg/kg	TM116		<9 M	<9 M	<9 M			
Bromodichloromethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M			
cis-1,3-Dichloropropene	<10 µg/kg	TM116		<10 M	<10 M	<10 M			
Toluene	<7 µg/kg	TM116		<7 M	<7 M	<7 M			
trans-1,3-Dichloropropene	<10 µg/kg	TM116		<10	<10	<10			
1,1,2-Trichloroethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M			

CERTIFICATE OF ANALYSIS

SDG:	140922-30	**Location:**	coed Darcy	**Order Number:**	cd0843
Job:	H_ATKINS_LDC-260	**Customer:**	Atkins Global Ltd	**Report Number:**	286058
Client Reference:	Comm Area SW corner BOE	**Attention:**	Barney Irlam	**Superseded Report:**	

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	BOE TP 11	BOE TP 11	BOE TP 11			
			Depth (m)	1.00	2.00	3.00			
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid			
			Date Sampled	18/09/2014	18/09/2014	18/09/2014			
			Sample Time	.	.	.			
			Date Received	22/09/2014	22/09/2014	22/09/2014			
			SDG Ref	140922-30	140922-30	140922-30			
			Lab Sample No.(s)	10037067	10037073	10037078			
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<7 M	<7 M	<7 M			
Tetrachloroethene	<5 µg/kg	TM116		<5 M	<5 M	<5 M			
Dibromochloromethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M			
1,2-Dibromoethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M			
Chlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M			
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M			
Ethylbenzene	<4 µg/kg	TM116		<4 M	<4 M	<4 M			
p/m-Xylene	<10 µg/kg	TM116		<10 #	<10 #	<10 #			
o-Xylene	<10 µg/kg	TM116		<10 M	<10 M	<10 M			
Styrene	<10 µg/kg	TM116		<10 #	<10 #	<10 #			
Bromoform	<10 µg/kg	TM116		<10 M	<10 M	<10 M			
Isopropylbenzene	<5 µg/kg	TM116		<5 #	<5 #	<5 #			
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M			
1,2,3-Trichloropropane	<16 µg/kg	TM116		<16 M	<16 M	<16 M			
Bromobenzene	<10 µg/kg	TM116		<10 M	<10 M	<10 M			
Propylbenzene	<10 µg/kg	TM116		<10 M	<10 M	<10 M			
2-Chlorotoluene	<9 µg/kg	TM116		<9 M	<9 M	<9 M			
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<8 M	<8 M	<8 M			
4-Chlorotoluene	<10 µg/kg	TM116		<10 M	<10 M	<10 M			
tert-Butylbenzene	<14 µg/kg	TM116		<14 M	<14 M	<14 M			
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<9 #	<9 #	<9 #			
sec-Butylbenzene	<10 µg/kg	TM116		<10 M	<10 M	<10 M			
4-Isopropyltoluene	<10 µg/kg	TM116		<10 M	<10 M	<10 M			
1,3-Dichlorobenzene	<8 µg/kg	TM116		<8 M	<8 M	<8 M			
1,4-Dichlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M			
n-Butylbenzene	<11 µg/kg	TM116		<11	<11	<11			
1,2-Dichlorobenzene	<10 µg/kg	TM116		<10 M	<10 M	<10 M			
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<14 M	<14 M	<14 M			
Tert-amyl methyl ether	<10 µg/kg	TM116		<10 #	<10 #	<10 #			
1,2,4-Trichlorobenzene	<20 µg/kg	TM116		<20	<20	<20			
Hexachlorobutadiene	<20 µg/kg	TM116		<20	<20	<20			
Naphthalene	<13 µg/kg	TM116		<13 M	<13 M	<13 M			

CERTIFICATE OF ANALYSIS

SDG:	140922-30	**Location:**	coed Darcy	**Order Number:**	cd0843
Job:	H_ATKINS_LDC-260	**Customer:**	Atkins Global Ltd	**Report Number:**	286058
Client Reference:	Comm Area SW corner BOE	**Attention:**	Barney Irlam	**Superseded Report:**	

VOC MS (S)

Results Legend		Customer Sample R	BOE TP 11	BOE TP 11	BOE TP 11			
#	ISO17025 accredited.							
M	*m*CERTS accredited.							
aq	Aqueous / settled sample.	Depth (m)	1.00	2.00	3.00			
diss.filt	Dissolved / filtered sample.	Sample Type	Soil/Solid	Soil/Solid	Soil/Solid			
tot.unfilt	Total / unfiltered sample.	Date Sampled	18/09/2014	18/09/2014	18/09/2014			
*	Subcontracted test.	Sample Time	.	.	.			
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery	Date Received	22/09/2014	22/09/2014	22/09/2014			
		SDG Ref	140922-30	140922-30	140922-30			
(F)	Trigger breach confirmed	Lab Sample No.(s)	10037067	10037073	10037078			
1-5&+§@	Sample deviation (see appendix)	AGS Reference						
Component	**LOD/Units**	**Method**						
1,2,3-Trichlorobenzene	<20 µg/kg	TM116	<20 #	<20 #	<20 #			

CERTIFICATE OF ANALYSIS

SDG:	140922-30	**Location:**	coed Darcy	**Order Number:**	cd0843
Job:	H_ATKINS_LDC-260	**Customer:**	Atkins Global Ltd	**Report Number:**	286058
Client Reference:	Comm Area SW corner BOE	**Attention:**	Barney Irlam	**Superseded Report:**	

Table of Results - Appendix

Method No	Reference	Description	Wet/Dry Sample [1]	Surrogate Corrected
PM001		Preparation of Samples for Metals Analysis		
PM024	Modified BS 1377	Soil preparation including homogenisation, moisture screens of soils for Asbestos Containing Material		
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)		
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS		
TM132	In - house Method	ELTRA CS800 Operators Guide		
TM133	BS 1377: Part 3 1990;BS 6068-2.5	Determination of pH in Soil and Water using the GLpH pH Meter		
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:	140922-30	**Location:**	coed Darcy	**Order Number:**	cd0843
Job:	H_ATKINS_LDC-260	**Customer:**	Atkins Global Ltd	**Report Number:**	286058
Client Reference:	Comm Area SW corner BOE	**Attention:**	Barney Irlam	**Superseded Report:**	

Test Completion Dates

Lab Sample No(s)	10037034	10037039	10037045	10037051	10037057	10037062	10037067	10037073	10037078
Customer Sample Ref.	BOE TP10	BOE TP10	BOE TP10	BOE TP10	BOE TP10	BOE TP 11	BOE TP 11	BOE TP 11	BOE TP 11
AGS Ref.									
Depth	0.50	1.50	2.50	3.50	4.50	0.50	1.00	2.00	3.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
EPH CWG (Aliphatic) GC (S)	30-Sep-2014	01-Oct-2014	01-Oct-2014	01-Oct-2014	01-Oct-2014	30-Sep-2014	30-Sep-2014	01-Oct-2014	01-Oct-2014
EPH CWG (Aromatic) GC (S)	30-Sep-2014	01-Oct-2014	01-Oct-2014	01-Oct-2014	01-Oct-2014	30-Sep-2014	30-Sep-2014	01-Oct-2014	01-Oct-2014
GRO by GC-FID (S)	29-Sep-2014	29-Sep-2014	29-Sep-2014	29-Sep-2014	29-Sep-2014	29-Sep-2014	29-Sep-2014	29-Sep-2014	29-Sep-2014
Metals in solid samples by OES	30-Sep-2014	30-Sep-2014	26-Sep-2014	26-Sep-2014	30-Sep-2014	26-Sep-2014	26-Sep-2014	30-Sep-2014	26-Sep-2014
PAH by GCMS	30-Sep-2014	30-Sep-2014	30-Sep-2014	30-Sep-2014	30-Sep-2014	30-Sep-2014	30-Sep-2014	30-Sep-2014	30-Sep-2014
pH	29-Sep-2014	29-Sep-2014	29-Sep-2014	29-Sep-2014	29-Sep-2014	29-Sep-2014	29-Sep-2014	29-Sep-2014	29-Sep-2014
Sample description	23-Sep-2014	23-Sep-2014	23-Sep-2014	23-Sep-2014	23-Sep-2014	23-Sep-2014	23-Sep-2014	23-Sep-2014	23-Sep-2014
Total Organic Carbon	29-Sep-2014							29-Sep-2014	
TPH CWG GC (S)	30-Sep-2014	01-Oct-2014	01-Oct-2014	01-Oct-2014	01-Oct-2014	30-Sep-2014	30-Sep-2014	01-Oct-2014	01-Oct-2014
VOC MS (S)	01-Oct-2014	01-Oct-2014	01-Oct-2014	01-Oct-2014	01-Oct-2014	01-Oct-2014	01-Oct-2014	01-Oct-2014	01-Oct-2014

SDG:	140922-30	**Location:**	coed Darcy	**Order Number:**	cd0843
Job:	H_ATKINS_LDC-260	**Customer:**	Atkins Global Ltd	**Report Number:**	286058
Client Reference:	Comm Area SW corner BOE	**Attention:**	Barney Irlam	**Superseded Report:**	

Appendix

General

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

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

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

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

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

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

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

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

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

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

11. Results relate only to the items tested.

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

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

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

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

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

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

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

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

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

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

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

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

Sample Deviations

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

Asbestos

Identification of Asbestos in Bulk Materials & Soils

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

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

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

Visual Estimation Of Fibre Content

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

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

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

Appendix N. Stockpile testing prior to reuse

ALcontrol Laboratories

Unit 7-8 Hawarden Business Park
Manor Road (off Manor Lane)
Hawarden
Deeside
CH5 3US
Tel: (01244) 528700
Fax: (01244) 528701
email: mkt@alcontrol.com
Website: www.alcontrol.com

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

Attention: Alex Mann

CERTIFICATE OF ANALYSIS

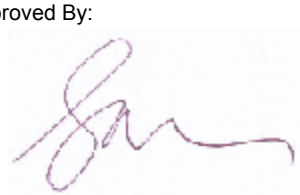
Date:	07 March 2012
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	120229-79
Your Reference:	
Location:	Coed Darcy Urban Village
Report No:	173366

We received 14 samples on Wednesday February 29, 2012 and 14 of these samples were scheduled for analysis which was completed on Wednesday March 07, 2012. 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:	120229-79	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0221
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	173366
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
5249816	CATP 60B			28/02/2012
5249786	SP3901			28/02/2012
5249788	SP3902			28/02/2012
5249795	SP3903			28/02/2012
5249798	SP3904			28/02/2012
5249801	SP3905			28/02/2012
5249806	SP3906			28/02/2012
5249807	SP3907			28/02/2012
5249808	SP3908			28/02/2012
5249809	SP3909			28/02/2012
5249810	SP3910			28/02/2012
5249811	SP3911			28/02/2012
5249812	SP3912			28/02/2012
5249814	SP3913			28/02/2012

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

CERTIFICATE OF ANALYSIS

SDG:	120229-79	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0221
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	173366
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

SOLID

Results Legend

X **Test**

N **No Determination Possible**

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
Anions by Kone (soil)	All	NDPs: 0 Tests: 1	5249816	CATP 60B			250g Amber Jar (AL
Asbestos Identification (Soil)	All	NDPs: 0 Tests: 4	5249786	SP3901			250g Amber Jar (AL
			5249788	SP3902			400g Tub (ALE214)
			5249795	SP3903			60g VOC (ALE215)
			5249798	SP3904			250g Amber Jar (AL
			5249801	SP3905			400g Tub (ALE214)
			5249806	SP3906			60g VOC (ALE215)
			5249807	SP3907			250g Amber Jar (AL
			5249808	SP3908			400g Tub (ALE214)
			5249809	SP3909			60g VOC (ALE215)
			5249810	SP3910			250g Amber Jar (AL
			5249811	SP3911			400g Tub (ALE214)
			5249812	SP3912			60g VOC (ALE215)
			5249814	SP3913			250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
Boron Water Soluble	All	NDPs: 0 Tests: 1	X				
Elemental Sulphur	All	NDPs: 0 Tests: 1	X				
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 14	X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 14	X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
GRO by GC-FID (S)	All	NDPs: 0 Tests: 14			X		
					X		
					X		
					X		
					X		
					X		
					X		
					X		
					X		
					X		
					X		
					X		
					X		
					X		
Metals by iCap-OES (Soil)	Arsenic	NDPs: 0 Tests: 14	X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
	Cadmium	NDPs: 0 Tests: 14	X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
	Chromium	NDPs: 0 Tests: 14	X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
	Cobalt	NDPs: 0 Tests: 1	X				
	Copper	NDPs: 0 Tests: 14	X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
	Iron	NDPs: 0 Tests: 1	X				
	Lead	NDPs: 0 Tests: 14	X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
			X	X			
	Manganese	NDPs: 0 Tests: 1	X				

CERTIFICATE OF ANALYSIS

SDG:	120229-79	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0221
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	173366
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

SOLID

Results Legend

X **Test**

N **No Determination Possible**

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
			5249816	CATP 60B			250g Amber Jar (AL
			5249786	SP3901			250g Amber Jar (AL
			5249788	SP3902			400g Tub (ALE214)
			5249795	SP3903			60g VOC (ALE215)
			5249798	SP3904			250g Amber Jar (AL
			5249801	SP3905			400g Tub (ALE214)
			5249806	SP3906			60g VOC (ALE215)
			5249807	SP3907			250g Amber Jar (AL
			5249808	SP3908			400g Tub (ALE214)
			5249809	SP3909			60g VOC (ALE215)
			5249810	SP3910			250g Amber Jar (AL
			5249811	SP3911			400g Tub (ALE214)
			5249812	SP3912			60g VOC (ALE215)
			5249814	SP3913			250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
Metals by iCap-OES (Soil)	Mercury	NDPs: 0 Tests: 14	X	X			X
	Molybdenum	NDPs: 0 Tests: 1	X				
	Nickel	NDPs: 0 Tests: 14	X	X			X
	Selenium	NDPs: 0 Tests: 14	X	X			X
	Tin	NDPs: 0 Tests: 1	X				
	Vanadium	NDPs: 0 Tests: 14	X	X			X
	Zinc	NDPs: 0 Tests: 14	X	X			X
PAH by GCMS	All	NDPs: 0 Tests: 14	X	X			X
pH	All	NDPs: 0 Tests: 14			X		X
Sample description	All	NDPs: 0 Tests: 14	X	X			X
Total Organic Carbon	All	NDPs: 1 Tests: 0	N				
Total Organic Carbon (Asb)	All	NDPs: 0 Tests: 1	X				
Total Sulphate	All	NDPs: 0 Tests: 1	X				
TPH CWG GC (S)	All	NDPs: 0 Tests: 14	X	X			X

CERTIFICATE OF ANALYSIS

SDG:	120229-79	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0221
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	173366
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

SOLID

Results Legend

X **Test**

N **No Determination Possible**

Lab Sample No(s)			5249816	
Customer Sample Reference			CATP 60B	
AGS Reference				
Depth (m)				
Container			400g Tub (ALE214)	60g VOC (ALE215)
Ammonium Soil by Titration	All	NDPs: 0 Tests: 1	X	
Asbestos Identification (Soil)	All	NDPs: 0 Tests: 4	X	
Cyanide Comp/Free/Total/Thiocyanate	All	NDPs: 0 Tests: 1	X	
GRO by GC-FID (S)	All	NDPs: 0 Tests: 14		X
pH	All	NDPs: 0 Tests: 14	X	

CERTIFICATE OF ANALYSIS

SDG:	120229-79	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0221
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	173366
Client Reference:		**Attention:**	Alex Mann	**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
5249816	CATP 60B		Dark Brown	Loamy Sand	0.063 - 0.1 mm	Stones	None
5249786	SP3901		Dark Brown	Loamy Sand	<0.063 mm	Stones	None
5249788	SP3902		Dark Brown	Sandy Loam	0.1 - 2 mm	Vegetation	Stones
5249795	SP3903		Dark Brown	Sandy Loam	<0.063 mm	Stones	None
5249798	SP3904		Dark Brown	Sandy Loam	0.063 - 0.1 mm	Stones	None
5249801	SP3905		Dark Brown	Silty Clay	<0.063 mm	Stones	None
5249806	SP3906		Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
5249807	SP3907		Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
5249808	SP3908		Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
5249809	SP3909		Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
5249810	SP3910		Dark Brown	Silty Clay Loam	<0.063 mm	Stones	None
5249811	SP3911		Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
5249812	SP3912		Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	N/A
5249814	SP3913		Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	N/A

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

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

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

CERTIFICATE OF ANALYSIS

SDG:	120229-79	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0221
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	173366
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	CATP 60B	SP3901	SP3902	SP3903	SP3904	SP3905
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/02/2012	28/02/2012	28/02/2012	28/02/2012	28/02/2012	28/02/2012
			Date Received	29/02/2012	29/02/2012	29/02/2012	29/02/2012	29/02/2012	29/02/2012
			SDG Ref	120229-79	120229-79	120229-79	120229-79	120229-79	120229-79
			Lab Sample No.(s)	5249816	5249786	5249788	5249795	5249798	5249801
			AGS Reference						
Moisture content ratio	%	PM024		16					
Ammoniacal Nitrogen, exchangeable as NH4	<15 mg/kg	TM024		<15 M					
pH	1 pH Units	TM133		8.07 M	7.86 M	7.56 M	8.12 M	8.45 M	7.83 M
Sulphur, Elemental	<5 mg/kg	TM136		<50 M					
Cyanide, Total	<1 mg/kg	TM153		<1 M					
Cyanide, Complex	<1 mg/kg	TM153		<1					
Cyanide, Easily liberatable (low level)	<0.5 mg/kg	TM153		<0.5					
Arsenic	<0.6 mg/kg	TM181		38.6 M	30.8 M	26.2 M	13.3 M	15.1 M	25.7 M
Cadmium	<0.02 mg/kg	TM181		0.67 M	0.574 M	0.482 M	0.153 M	0.324 M	0.467 M
Chromium	<0.9 mg/kg	TM181		50.3 M	23.4 M	18 M	18.9 M	18.5 M	22.6 M
Cobalt	<0.1 mg/kg	TM181		16.8 M					
Copper	<1.4 mg/kg	TM181		156 M	105 M	74.7 M	38 M	45.1 M	93.3 M
Iron	<1000 mg/kg	TM181		35400 #					
Lead	<0.7 mg/kg	TM181		585 M	89.8 M	35.1 M	39.8 M	58.2 M	46.9 M
Manganese	<0.13 mg/kg	TM181		979 M					
Mercury	<0.14 mg/kg	TM181		0.177 M	0.558 M	0.345 M	0.155 M	1.11 M	0.519 M
Molybdenum	<0.1 mg/kg	TM181		3.85 #					
Nickel	<0.2 mg/kg	TM181		43.9 M	33.8 M	25 M	38 M	25.8 M	23.8 M
Selenium	<1 mg/kg	TM181		1.29 #	<1 #	<1 #	<1 #	<1 #	<1 #
Tin	<0.24 mg/kg	TM181		5.58 #					
Vanadium	<0.2 mg/kg	TM181		35.9 #	26.6 #	25.1 #	19.3 #	26.1 #	31.6 #
Zinc	<1.9 mg/kg	TM181		863 M	223 M	142 M	149 M	158 M	141 M
Sulphate, acid soluble (total)	<0.02 %	TM221		0.0234					
Boron, water soluble	<1 mg/kg	TM222		<1 M					
Water Soluble Sulphate as SO4 2:1 Extract	<0.008 g/l	TM243		<0.008 M					
Chloride (soluble)	<5 mg/kg	TM243		5.87 M					
Organic Carbon, Total	<0.1 %	TM321		1.61 #					

CERTIFICATE OF ANALYSIS

SDG:	120229-79	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0221
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	173366
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	SP3906	SP3907	SP3908	SP3909	SP3910	SP3911
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/02/2012	28/02/2012	28/02/2012	28/02/2012	28/02/2012	28/02/2012
			Date Received	29/02/2012	29/02/2012	29/02/2012	29/02/2012	29/02/2012	29/02/2012
			SDG Ref	120229-79	120229-79	120229-79	120229-79	120229-79	120229-79
			Lab Sample No.(s)	5249806	5249807	5249808	5249809	5249810	5249811
			AGS Reference						
pH	1 pH Units	TM133		8.08 M	8.51 M	8.46 M	8.63 M	8.63 M	8.5 M
Arsenic	<0.6 mg/kg	TM181		21.6 M	11.7 M	10.8 M	15.3 M	50.9 M	14.7 M
Cadmium	<0.02 mg/kg	TM181		0.485 M	0.251 M	0.257 M	0.577 M	0.652 M	0.453 M
Chromium	<0.9 mg/kg	TM181		17.9 M	20.4 M	21.9 M	25.8 M	27.5 M	22.9 M
Copper	<1.4 mg/kg	TM181		70.6 M	48.5 M	40.9 M	91.1 M	739 M	65.5 M
Lead	<0.7 mg/kg	TM181		44 M	42.4 M	50 M	78 M	95 M	125 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	0.699 M	0.754 M	2.76 M	1.94 M	1.46 M
Nickel	<0.2 mg/kg	TM181		25.9 M	34.4 M	29.7 M	33.2 M	56.1 M	33.9 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		21 #	26.9 #	21.8 #	39.1 #	32.1 #	33 #
Zinc	<1.9 mg/kg	TM181		126 M	141 M	130 M	170 M	275 M	196 M

CERTIFICATE OF ANALYSIS

SDG:	120229-79	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0221
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	173366
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	SP3912	SP3913
			Depth (m)	.	.
			Sample Type	Soil/Solid	Soil/Solid
			Date Sampled	28/02/2012	28/02/2012
			Date Received	29/02/2012	29/02/2012
			SDG Ref	120229-79	120229-79
			Lab Sample No.(s)	5249812	5249814
			AGS Reference		
pH	1 pH Units	TM133		8.38 M	8.56 M
Arsenic	<0.6 mg/kg	TM181		16.9 M	15.2 M
Cadmium	<0.02 mg/kg	TM181		0.494 M	0.269 M
Chromium	<0.9 mg/kg	TM181		23.1 M	24 M
Copper	<1.4 mg/kg	TM181		128 M	73.3 M
Lead	<0.7 mg/kg	TM181		373 M	50.9 M
Mercury	<0.14 mg/kg	TM181		1.46 M	0.552 M
Nickel	<0.2 mg/kg	TM181		34.1 M	47.4 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		34.8 #	38.6 #
Zinc	<1.9 mg/kg	TM181		310 M	162 M

CERTIFICATE OF ANALYSIS

SDG:	120229-79	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0221
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	173366
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

PAH by GCMS

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	CATP 60B	SP3901	SP3902	SP3903	SP3904	SP3905
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/02/2012	28/02/2012	28/02/2012	28/02/2012	28/02/2012	28/02/2012
			Date Received	29/02/2012	29/02/2012	29/02/2012	29/02/2012	29/02/2012	29/02/2012
			SDG Ref	120229-79	120229-79	120229-79	120229-79	120229-79	120229-79
			Lab Sample No.(s)	5249816	5249786	5249788	5249795	5249798	5249801
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		89.2	95.3	103	90.8	92.1	91.9
Acenaphthene-d10 % recovery**	%	TM218		87.7	96.1	104	91.6	92.5	93.6
Phenanthrene-d10 % recovery**	%	TM218		86.4	95.9	103	91.1	92.5	93.1
Chrysene-d12 % recovery**	%	TM218		85.4	100	100	94	96.8	98.1
Perylene-d12 % recovery**	%	TM218		85.2	107	100	99.5	104	104
Naphthalene	<9 µg/kg	TM218		223 M	537 M	122 M	352 M	93.5 M	227 M
Acenaphthylene	<12 µg/kg	TM218		61.9 M	27.4 M	14.4 M	14.8 M	17.7 M	29.7 M
Acenaphthene	<8 µg/kg	TM218		62.9 M	46.6 M	39.2 M	22.6 M	46 M	62.3 M
Fluorene	<10 µg/kg	TM218		66.4 M	166 M	119 M	117 M	55.5 M	155 M
Phenanthrene	<15 µg/kg	TM218		953 M	1580 M	468 M	1030 M	621 M	658 M
Anthracene	<16 µg/kg	TM218		169 M	184 M	110 M	103 M	101 M	198 M
Fluoranthene	<17 µg/kg	TM218		1420 M	772 M	221 M	296 M	816 M	1030 M
Pyrene	<15 µg/kg	TM218		1040 M	1190 M	511 M	655 M	672 M	1090 M
Benz(a)anthracene	<14 µg/kg	TM218		910 M	738 M	195 M	314 M	449 M	779 M
Chrysene	<10 µg/kg	TM218		1010 M	919 M	222 M	370 M	470 M	683 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		1610 M	1180 M	278 M	533 M	878 M	1260 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		463 M	271 M	88.6 M	139 M	251 M	390 M
Benzo(a)pyrene	<15 µg/kg	TM218		891 M	697 M	173 M	311 M	609 M	917 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		547 M	428 M	118 M	215 M	373 M	488 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		203 M	216 M	52.9 M	117 M	108 M	161 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		641 M	530 M	157 M	283 M	472 M	586 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		10300	9480	2890	4880	6030	8710

CERTIFICATE OF ANALYSIS

SDG:	120229-79	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0221
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	173366
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

PAH by GCMS

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	SP3906	SP3907	SP3908	SP3909	SP3910	SP3911
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/02/2012	28/02/2012	28/02/2012	28/02/2012	28/02/2012	28/02/2012
			Date Received	29/02/2012	29/02/2012	29/02/2012	29/02/2012	29/02/2012	29/02/2012
			SDG Ref	120229-79	120229-79	120229-79	120229-79	120229-79	120229-79
			Lab Sample No.(s)	5249806	5249807	5249808	5249809	5249810	5249811
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		105	100	90.3	94.9	86.1	106
Acenaphthene-d10 % recovery**	%	TM218		105	105	90.2	95.4	85.6	108
Phenanthrene-d10 % recovery**	%	TM218		104	103	89.2	93.8	85.2	107
Chrysene-d12 % recovery**	%	TM218		103	104	91.4	97.3	86.6	104
Perylene-d12 % recovery**	%	TM218		108	108	95.9	103	93.6	105
Naphthalene	<9 µg/kg	TM218		59.3 M	107 M	114 M	124 M	107 M	192 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	29.4 M	18 M	21.8 M	18.9 M	26.4 M
Acenaphthene	<8 µg/kg	TM218		22.4 M	43.7 M	27.7 M	76.1 M	20.1 M	54.6 M
Fluorene	<10 µg/kg	TM218		56.9 M	65.1 M	44 M	64.9 M	34.7 M	86 M
Phenanthrene	<15 µg/kg	TM218		320 M	442 M	397 M	511 M	327 M	496 M
Anthracene	<16 µg/kg	TM218		72.3 M	82.4 M	61.2 M	79.6 M	48.3 M	82.3 M
Fluoranthene	<17 µg/kg	TM218		209 M	642 M	381 M	708 M	276 M	435 M
Pyrene	<15 µg/kg	TM218		330 M	598 M	421 M	660 M	311 M	513 M
Benz(a)anthracene	<14 µg/kg	TM218		256 M	520 M	294 M	509 M	213 M	332 M
Chrysene	<10 µg/kg	TM218		698 M	589 M	446 M	522 M	289 M	497 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		475 M	1030 M	513 M	1070 M	459 M	629 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		95.7 M	329 M	142 M	308 M	131 M	200 M
Benzo(a)pyrene	<15 µg/kg	TM218		302 M	644 M	311 M	719 M	288 M	403 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		131 M	465 M	178 M	425 M	188 M	269 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		78.9 M	170 M	68.7 M	135 M	66.9 M	105 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		185 M	557 M	226 M	537 M	247 M	357 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		3290	6310	3640	6470	3030	4680

CERTIFICATE OF ANALYSIS

SDG:	120229-79	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0221
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	173366
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	SP3912	SP3913				
			Depth (m)	.	.				
			Sample Type	Soil/Solid	Soil/Solid				
			Date Sampled	28/02/2012	28/02/2012				
			Date Received	29/02/2012	29/02/2012				
			SDG Ref	120229-79	120229-79				
			Lab Sample No.(s)	5249812	5249814				
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		95.4	97.5				
Acenaphthene-d10 % recovery**	%	TM218		98.6	101				
Phenanthrene-d10 % recovery**	%	TM218		98.3	101				
Chrysene-d12 % recovery**	%	TM218		95.6	98.7				
Perylene-d12 % recovery**	%	TM218		101	103				
Naphthalene	<9 µg/kg	TM218		74.1 M	60.1 M				
Acenaphthylene	<12 µg/kg	TM218		25.9 M	33.1 M				
Acenaphthene	<8 µg/kg	TM218		51.6 M	64.6 M				
Fluorene	<10 µg/kg	TM218		61.5 M	64.5 M				
Phenanthrene	<15 µg/kg	TM218		357 M	436 M				
Anthracene	<16 µg/kg	TM218		77.1 M	86 M				
Fluoranthene	<17 µg/kg	TM218		508 M	698 M				
Pyrene	<15 µg/kg	TM218		484 M	603 M				
Benz(a)anthracene	<14 µg/kg	TM218		358 M	462 M				
Chrysene	<10 µg/kg	TM218		396 M	448 M				
Benzo(b)fluoranthene	<15 µg/kg	TM218		650 M	813 M				
Benzo(k)fluoranthene	<14 µg/kg	TM218		213 M	221 M				
Benzo(a)pyrene	<15 µg/kg	TM218		429 M	538 M				
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		266 M	321 M				
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		106 M	109 M				
Benzo(g,h,i)perylene	<24 µg/kg	TM218		334 M	397 M				
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		4390	5350				

CERTIFICATE OF ANALYSIS

SDG:	120229-79	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0221
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	173366
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	CATP 60B	SP3901	SP3902	SP3903	SP3904	SP3905
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/02/2012	28/02/2012	28/02/2012	28/02/2012	28/02/2012	28/02/2012
			Date Received	29/02/2012	29/02/2012	29/02/2012	29/02/2012	29/02/2012	29/02/2012
			SDG Ref	120229-79	120229-79	120229-79	120229-79	120229-79	120229-79
			Lab Sample No.(s)	5249816	5249786	5249788	5249795	5249798	5249801
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		54 §	81	79	84	94	88
GRO >C5-C12	<44 µg/kg	TM089		<44	<44	66.7	76	164	2120
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		3.57 M	<2 M	<2 M	<2 M	2.3 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		<10	<10	<10	10.9	17.3	14.8
Aliphatics >C8-C10	<10 µg/kg	TM089		<10	<10	11.5	15.2	38	178
Aliphatics >C10-C12	<10 µg/kg	TM089		<10	<10	23	19.5	41.4	1080
Aliphatics >C12-C16	<100 µg/kg	TM173		5150	24800	14100	39800	36500	15100
Aliphatics >C16-C21	<100 µg/kg	TM173		10700	34700	51000	17200	33800	28300
Aliphatics >C21-C35	<100 µg/kg	TM173		32200	30200	80600	24400	101000	24700
Aliphatics >C35-C44	<100 µg/kg	TM173		3700	22000	9380	19600	34400	12800
Total Aliphatics >C12-C44	<100 µg/kg	TM173		51800	112000	155000	101000	206000	80900
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		11.9	<10	<10	11.9	29.9	119
Aromatics >EC10-EC12	<10 µg/kg	TM089		<10	<10	15	13	27.6	718
Aromatics >EC12-EC16	<100 µg/kg	TM173		4060	46700	5420	8870	5370	10000
Aromatics >EC16-EC21	<100 µg/kg	TM173		9930	62300	23000	16800	15400	16900
Aromatics >EC21-EC35	<100 µg/kg	TM173		45800	161000	82200	63200	108000	67500
Aromatics >EC35-EC44	<100 µg/kg	TM173		18900	77200	17200	36500	57300	35100
Aromatics >EC40-EC44	<100 µg/kg	TM173		6370	32000	4880	16300	26700	16300
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		78600	348000	128000	125000	186000	129000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		130000	459000	283000	226000	392000	212000
Total Aliphatics >C5-35	<100 µg/kg	TM173		48100	89600	146000	81400	172000	69400
Total Aromatics >C5-35	<100 µg/kg	TM173		59800	270000	111000	89000	129000	95200
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		108000	360000	256000	170000	300000	165000

CERTIFICATE OF ANALYSIS

SDG:	120229-79	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0221
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	173366
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	SP3906	SP3907	SP3908	SP3909	SP3910	SP3911
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/02/2012	28/02/2012	28/02/2012	28/02/2012	28/02/2012	28/02/2012
			Date Received	29/02/2012	29/02/2012	29/02/2012	29/02/2012	29/02/2012	29/02/2012
			SDG Ref	120229-79	120229-79	120229-79	120229-79	120229-79	120229-79
			Lab Sample No.(s)	5249806	5249807	5249808	5249809	5249810	5249811
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		71	70	71	75	74	102
GRO >C5-C12	<44 µg/kg	TM089		348	78.4	101	93.5	118	1440
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		2.36 M	3.36 M	11 M	3.42 M	10.4 M	9.2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		<10	<10	<10	<10	<10	10.4
Aliphatics >C6-C8	<10 µg/kg	TM089		14.2	10.1	14.3	13.7	15	24.2
Aliphatics >C8-C10	<10 µg/kg	TM089		22.4	15.7	14.3	13.7	21.9	62.1
Aliphatics >C10-C12	<10 µg/kg	TM089		171	19	24.2	26.2	28.8	771
Aliphatics >C12-C16	<100 µg/kg	TM173		36300	12800	35300	22700	10600	51400
Aliphatics >C16-C21	<100 µg/kg	TM173		83700	30900	18800	33700	27000	232000
Aliphatics >C21-C35	<100 µg/kg	TM173		134000	187000	50700	55200	99000	487000
Aliphatics >C35-C44	<100 µg/kg	TM173		18000	54400	16800	24700	23700	96300
Total Aliphatics >C12-C44	<100 µg/kg	TM173		272000	286000	121000	136000	160000	867000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	11	<10	10.4	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		16.5	12.3	13.2	12.5	17.3	44.9
Aromatics >EC10-EC12	<10 µg/kg	TM089		113	13.4	16.5	17.1	19.6	514
Aromatics >EC12-EC16	<100 µg/kg	TM173		12600	12700	12700	25500	4440	34500
Aromatics >EC16-EC21	<100 µg/kg	TM173		102000	17000	13100	20500	17000	134000
Aromatics >EC21-EC35	<100 µg/kg	TM173		1110000	97900	73400	81500	98400	312000
Aromatics >EC35-EC44	<100 µg/kg	TM173		149000	46900	50600	54600	44700	111000
Aromatics >EC40-EC44	<100 µg/kg	TM173		43500	21900	22300	24900	16100	46200
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		1370000	175000	150000	182000	164000	592000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		1640000	460000	271000	319000	325000	1460000
Total Aliphatics >C5-35	<100 µg/kg	TM173		254000	231000	105000	112000	137000	772000
Total Aromatics >C5-35	<100 µg/kg	TM173		1220000	128000	99300	128000	120000	481000
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		1480000	359000	204000	239000	256000	1250000

CERTIFICATE OF ANALYSIS

SDG:	120229-79	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0221
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	173366
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	SP3912	SP3913				
			Depth (m)	.	.				
			Sample Type	Soil/Solid	Soil/Solid				
			Date Sampled	28/02/2012	28/02/2012				
			Date Received	29/02/2012	29/02/2012				
			SDG Ref	120229-79	120229-79				
			Lab Sample No.(s)	5249812	5249814				
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		74	60 §				
GRO >C5-C12	<44 µg/kg	TM089		3490	128				
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 #	<5 #				
Benzene	<10 µg/kg	TM089		<10 M	<10 M				
Toluene	<2 µg/kg	TM089		11.8 M	3.39 M				
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M				
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M				
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M				
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9				
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24				
Aliphatics >C5-C6	<10 µg/kg	TM089		<10	<10				
Aliphatics >C6-C8	<10 µg/kg	TM089		16.5	20.3				
Aliphatics >C8-C10	<10 µg/kg	TM089		163	19.2				
Aliphatics >C10-C12	<10 µg/kg	TM089		1900	37.3				
Aliphatics >C12-C16	<100 µg/kg	TM173		3710	10200				
Aliphatics >C16-C21	<100 µg/kg	TM173		37100	45100				
Aliphatics >C21-C35	<100 µg/kg	TM173		91500	220000				
Aliphatics >C35-C44	<100 µg/kg	TM173		41500	76400				
Total Aliphatics >C12-C44	<100 µg/kg	TM173		174000	352000				
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10				
Aromatics >EC7-EC8	<10 µg/kg	TM089		11.8	<10				
Aromatics >EC8-EC10	<10 µg/kg	TM089		112	15.8				
Aromatics >EC10-EC12	<10 µg/kg	TM089		1270	24.9				
Aromatics >EC12-EC16	<100 µg/kg	TM173		21000	19100				
Aromatics >EC16-EC21	<100 µg/kg	TM173		22900	26000				
Aromatics >EC21-EC35	<100 µg/kg	TM173		108000	165000				
Aromatics >EC35-EC44	<100 µg/kg	TM173		56400	81100				
Aromatics >EC40-EC44	<100 µg/kg	TM173		25700	37400				
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		208000	292000				
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		385000	643000				
Total Aliphatics >C5-35	<100 µg/kg	TM173		134000	275000				
Total Aromatics >C5-35	<100 µg/kg	TM173		153000	211000				
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		287000	486000				

CERTIFICATE OF ANALYSIS

SDG:	120229-79	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0221
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	173366
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

Asbestos Identification - Soil

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Customer Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	CATP 60B NS Z SOLID 28/02/2012 00:00:00 120229-79 5,249,816 TM048	05/03/12	Kevin Bowron	ACM Debris & Loose Fibres in Soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Customer Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SP3902 NS Z SOLID 28/02/2012 00:00:00 120229-79 5,249,788 TM048	05/03/12	Kevin Bowron	Loose Fibres in Soil	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Customer Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SP3906 NS Z SOLID 28/02/2012 00:00:00 120229-79 5,249,806 TM048	05/03/12	Kevin Bowron	Loose Fibres in Soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Customer Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SP3910 NS Z SOLID 28/02/2012 00:00:00 120229-79 5,249,810 TM048	05/03/12	Kevin Bowron	ACM Debris & Loose Fibres in Soil	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	120229-79	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0221
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	173366
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

Notification of Deviating Samples

Sample Number	Customer Sample Ref.	Depth (m)	Matrix	Test Name	Component Name	Comment
5271647	CATP 60B		SOLID	GRO by GC-FID (S)	GRO Surrogate % recovery**	Matrix interference
5271652	SP3913		SOLID	GRO by GC-FID (S)	GRO Surrogate % recovery**	Matrix interference

Note : Test results may be compromised

CERTIFICATE OF ANALYSIS

SDG:	120229-79	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0221
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	173366
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

Notification of NDPs (No determination possible)

Date Received : 29/02/2012 14:21:17

Sample No	Customer Sample Ref.	Depth (m)	Test	Comment
5249816	CATP 60B		Total Organic Carbon	Test unsuitable for analysis - Asbestos

CERTIFICATE OF ANALYSIS

SDG:	120229-79	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0221
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	173366
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

Table of Results - Appendix

Method No	Reference	Description	Wet/Dry Sample [1]	Surrogate Corrected
PM001		Preparation of Samples for Metals Analysis		
PM024	Modified BS 1377	Soil preparation including homogenisation, moisture screens of soils for Asbestos Containing Material		
TM024	Method 4500A & B, AWWA/APHA, 20th Ed., 1999	Determination of Exchangeable Ammonium and Ammoniacal Nitrogen as N by titration on solids		
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		
TM136	Method 17.10, Second Site property, March 2003	Determination of Sulphur by HPLC		
TM153	Method 4500A,B,C, I, M AWWA/APHA, 20th Ed., 1999	Determination of Total Cyanide, Free (Easily Liberatable) Cyanide and Thiocyanate using the Skalar SANS+ System Segmented Flow Analyser		
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		
TM221	Inductively Coupled Plasma - Atomic Emission Spectroscopy. An Atlas of Spectral Information: Winge, Fassel, Peterson and Floyd	Determination of Acid extractable Sulphate in Soils by IRIS Emission Spectrometer		
TM222	In-House Method	Determination of Hot Water Soluble Boron in Soils (10:1 Water:soil) by IRIS Emission Spectrometer		
TM243		Mixed Anions In Soils By Kone		
TM321		Organic matter Content of Soil By Titration		

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

CERTIFICATE OF ANALYSIS

SDG:	120229-79	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0221
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	173366
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

Test Completion Dates

Lab Sample No(s)	5249816	5249786	5249788	5249795	5249798	5249801	5249806	5249807	5249808	5249809
Customer Sample Ref.	CATP 60B	SP3901	SP3902	SP3903	SP3904	SP3905	SP3906	SP3907	SP3908	SP3909
AGS Ref.										
Depth										
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Ammonium Soil by Titration	05-Mar-2012									
Anions by Kone (soil)	05-Mar-2012									
Asbestos Identification (Soil)	05-Mar-2012		05-Mar-2012				05-Mar-2012			
Boron Water Soluble	06-Mar-2012									
Cyanide Comp/Free/Total/Thiocyanate	05-Mar-2012									
Elemental Sulphur	06-Mar-2012									
EPH CWG (Aliphatic) GC (S)	06-Mar-2012	06-Mar-2012	06-Mar-2012	06-Mar-2012	06-Mar-2012	06-Mar-2012	06-Mar-2012	06-Mar-2012	06-Mar-2012	06-Mar-2012
EPH CWG (Aromatic) GC (S)	06-Mar-2012	06-Mar-2012	06-Mar-2012	06-Mar-2012	06-Mar-2012	06-Mar-2012	06-Mar-2012	06-Mar-2012	06-Mar-2012	06-Mar-2012
GRO by GC-FID (S)	06-Mar-2012	02-Mar-2012	06-Mar-2012	02-Mar-2012	02-Mar-2012	02-Mar-2012	06-Mar-2012	02-Mar-2012	03-Mar-2012	06-Mar-2012
Metals by iCap-OES (Soil)	06-Mar-2012	07-Mar-2012	07-Mar-2012	07-Mar-2012	07-Mar-2012	07-Mar-2012	07-Mar-2012	07-Mar-2012	05-Mar-2012	05-Mar-2012
PAH by GCMS	04-Mar-2012	04-Mar-2012	06-Mar-2012	04-Mar-2012	04-Mar-2012	04-Mar-2012	06-Mar-2012	06-Mar-2012	04-Mar-2012	04-Mar-2012
pH	05-Mar-2012	05-Mar-2012	05-Mar-2012	03-Mar-2012	03-Mar-2012	03-Mar-2012	05-Mar-2012	05-Mar-2012	05-Mar-2012	05-Mar-2012
Sample description	01-Mar-2012	01-Mar-2012	01-Mar-2012	01-Mar-2012	01-Mar-2012	01-Mar-2012	01-Mar-2012	01-Mar-2012	01-Mar-2012	01-Mar-2012
Total Organic Carbon (Asb)	06-Mar-2012									
Total Sulphate	06-Mar-2012									
TPH CWG GC (S)	06-Mar-2012	06-Mar-2012	06-Mar-2012	06-Mar-2012	06-Mar-2012	06-Mar-2012	06-Mar-2012	06-Mar-2012	06-Mar-2012	06-Mar-2012

Lab Sample No(s)	5249810	5249811	5249812	5249814
Customer Sample Ref.	SP3910	SP3911	SP3912	SP3913
AGS Ref.				
Depth				
Type	SOLID	SOLID	SOLID	SOLID
Asbestos Identification (Soil)	05-Mar-2012			
EPH CWG (Aliphatic) GC (S)	06-Mar-2012	06-Mar-2012	06-Mar-2012	06-Mar-2012
EPH CWG (Aromatic) GC (S)	06-Mar-2012	06-Mar-2012	06-Mar-2012	06-Mar-2012
GRO by GC-FID (S)	06-Mar-2012	03-Mar-2012	02-Mar-2012	06-Mar-2012
Metals by iCap-OES (Soil)	06-Mar-2012	05-Mar-2012	07-Mar-2012	07-Mar-2012
PAH by GCMS	04-Mar-2012	07-Mar-2012	03-Mar-2012	03-Mar-2012
pH	05-Mar-2012	05-Mar-2012	05-Mar-2012	05-Mar-2012
Sample description	01-Mar-2012	01-Mar-2012	01-Mar-2012	01-Mar-2012
TPH CWG GC (S)	06-Mar-2012	06-Mar-2012	06-Mar-2012	06-Mar-2012

SDG:	120229-79	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0221
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	173366
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

Appendix

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 2 months after the analysis date. All bulk samples will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALcontrol Laboratories reserve the right to charge for samples received and stored but not analysed.

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

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

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

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

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

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

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

11. Results relate only to the items tested.

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

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

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

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

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

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

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

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

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

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

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

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

SOLID MATRICES EXTRACTION SUMMARY

ANALYSIS	D&C OR WET	EXTRACTION SOLVENT	EXTRACTION METHOD	ANALYSIS
SOLVENT EXTRACTABLE MATTER	D&C	DCM	SOXTHERM	GRAVIMETRIC
CYCLOHEXANE EXT. MATTER	D&C	CYCLOHEXANE	SOXTHERM	GRAVIMETRIC
ELEMENTAL SULPHUR	D&C	DCM	SOXTHERM	HPLC
PHENOLS BY GCMS	WET	DCM	SOXTHERM	GC-MS
HERBICIDES	D&C	HEXANE:ACETONE	SOXTHERM	GC-MS
PESTICIDES	D&C	HEXANE:ACETONE	SOXTHERM	GC-MS
EPH (DRO)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH (MIN OIL)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH (CLEANED UP)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH CWG BY GC	D&C	HEXANE:ACETONE	END OVER END	GC-FID
PCB AROCLOR 1254 / PCB CON	D&C	HEXANE:ACETONE	END OVER END	GC-MS
POLYAROMATIC HYDROCARBONS (MS)	WET	HEXANE:ACETONE	MICROWAVE TM218.	GC-MS
>C6-C40	WET	HEXANE:ACETONE	SHAKER	GC-FID
POLYAROMATIC HYDROCARBONS RAPID GC	WET	HEXANE:ACETONE	SHAKER	GC-FID
SEMI VOLATILE ORGANIC COMPOUNDS	WET	DCM:ACETONE	SONICATE	GC-MS

LIQUID MATRICES EXTRACTION SUMMARY

ANALYSIS	EXTRACTION SOLVENT	EXTRACTION METHOD	ANALYSIS
PAH MS	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC MS
EPH	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
EPH CWG	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
MINERAL OIL	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
PCB 7 CONGENERS	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC MS
PCB AROCLOR 1254	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC MS
SVOC	DCM	LIQUID/LIQUID SHAKE	GC MS
FREE SULPHUR	DCM	SOLID PHASE EXTRACTION	HPLC
PESTOC PROPP	DCM	LIQUID/LIQUID SHAKE	GC MS
TRIAZINE HERBS	DCM	LIQUID/LIQUID SHAKE	GC MS
PHENOLS MS	ACETONE	SOLID PHASE EXTRACTION	GC MS
TPH by INFRARED (IR)	TCE	STIRRED EXTRACTION (STIR-BAR)	IR
MINERAL OIL by IR	TCE	STIRRED EXTRACTION (STIR-BAR)	IR
GLYCOLS	NONE	DIRECT INJECTION	GC FID

Identification of Asbestos in Bulk Materials & Soils

The results for identification of asbestos in bulk materials are obtained from supplied bulk materials or those identified as potentially asbestos containing during sample description 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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Llandarcy
SA10 6HJ

Attention: Alex Mann

CERTIFICATE OF ANALYSIS

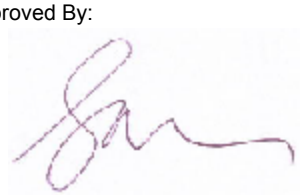
Date:	31 August 2011
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	110812-144
Your Reference:	No Instructions.
Location:	Coed Darcy Urban Village
Report No:	147637

We received 62 samples on Friday August 12, 2011 and 54 of these samples were scheduled for analysis which was completed on Wednesday August 31, 2011. 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:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
4096354	DUP 1 N		0.50	10/08/2011
4096355	DUP 1 N		1.30	10/08/2011
4096356	DUP 1 N		2.30	10/08/2011
4096357	DUP 1 W		0.30	10/08/2011
4096358	DUP 1 W		0.70	10/08/2011
4096359	DUP 1 W		1.00	10/08/2011
4096360	DUP 1 W		2.00	10/08/2011
4096366	DUP 2 E		0.20	10/08/2011
4096367	DUP 2 E		0.80	10/08/2011
4096361	DUP 2 N		0.20	10/08/2011
4096362	DUP 2 N		0.60	10/08/2011
4096363	DUP 2 N		1.50	10/08/2011
4096364	DUP 2 S		0.40	10/08/2011
4096365	DUP 2 S		1.20	10/08/2011
4096368	DUP 2 W		0.40	10/08/2011
4096369	DUP 2 W		0.80	10/08/2011
4096420	DUP 2 W		1.60	10/08/2011
4096376	DUP 22 S		0.30	11/08/2011
4096382	DUP 22 S		0.80	11/08/2011
4096383	DUP 22 S		1.80	11/08/2011
4096384	DUP 22 S		2.20	11/08/2011
4096385	DUP 33 N		0.30	10/08/2011
4096386	DUP 33 N		0.70	10/08/2011
4096387	DUP 33 N		1.50	10/08/2011
4096416	DUP 36 E		0.30	10/08/2011
4096417	DUP 36 E		1.10	10/08/2011
4096418	DUP 36 E		2.10	10/08/2011
4096419	DUP 36 E		3.00	10/08/2011
4096388	DUP 36 N		0.20	10/08/2011
4096389	DUP 36 N		0.70	10/08/2011
4096390	DUP 36 N		1.50	10/08/2011
4096391	DUP 36 S		0.50	10/08/2011
4096392	DUP 36 S		1.50	10/08/2011
4096393	DUP 36 S		2.50	10/08/2011
4096394	DUP 36 S		4.00	10/08/2011
4096399	DUP 41 E		0.30	11/08/2011
4096400	DUP 41 E		1.30	11/08/2011
4096401	DUP 41 E		2.30	11/08/2011
4096402	DUP 41 W		0.30	11/08/2011
4096403	DUP 41 W		1.00	11/08/2011
4096404	DUP 41 W		2.00	11/08/2011
4096370	DUP 5 E		0.50	10/08/2011
4096371	DUP 5 E		1.00	10/08/2011
4096372	DUP 5 E		1.80	10/08/2011
4096373	DUP 5 W		0.20	10/08/2011
4096374	DUP 5 W		0.80	10/08/2011
4096375	DUP 5 W		1.50	10/08/2011
4096405	DUP 63 W		0.10	11/08/2011
4096406	DUP 63 W		0.60	11/08/2011
4096407	DUP 63 W		1.60	11/08/2011
4096408	DUP 75		0.50	10/08/2011
4096409	DUP 75		1.00	10/08/2011
4096410	DUP 75		1.50	10/08/2011
4096411	DUP 76		0.50	10/08/2011
4096412	DUP 76		1.20	10/08/2011
4096413	DUP 77		0.20	11/08/2011

Validated

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
4096414	DUP 77		1.00	11/08/2011
4096415	DUP 77		1.50	11/08/2011
4096395	SP 38 001			09/08/2011
4096396	SP 38 002			09/08/2011
4096397	SP 38 003			09/08/2011
4096398	SP 38 004			09/08/2011

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

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

SOLID

Results Legend

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

		Lab Sample No(s)	4096354	4096355			4096356			4096357			4096358	4096359		4096366		4096367		4096361	4096362		4096363		4096364		4096365		4096368	4096369		4096370		4096371		4096372		4096373	4096374		4096375	
		Customer Sample Reference	DUP 1 N	DUP 1 N			DUP 1 N			DUP 1 W			DUP 1 W	DUP 1 W		DUP 2 E		DUP 2 E		DUP 2 N	DUP 2 N		DUP 2 N		DUP 2 S		DUP 2 S		DUP 2 W	DUP 2 W		DUP 5 E		DUP 5 E		DUP 5 E		DUP 5 W	DUP 5 W		DUP 5 W	
		AGS Reference																																								
		Depth (m)	0.50	1.30			2.30			0.30			0.70	1.00		0.20		0.80		0.20	0.60		1.50		0.40		1.20		0.40	0.80		0.50		1.00		1.80		0.20	0.80		1.50	
		Container	250g Amber Jar (AL	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	250g Amber Jar (AL	60g VOC (ALE215)	250g Amber Jar (AL	60g VOC (ALE215)	250g Amber Jar (AL	60g VOC (ALE215)	250g Amber Jar (AL	250g Amber Jar (AL	60g VOC (ALE215)	250g Amber Jar (AL	60g VOC (ALE215)	250g Amber Jar (AL	60g VOC (ALE215)	250g Amber Jar (AL	60g VOC (ALE215)	250g Amber Jar (AL	250g Amber Jar (AL	60g VOC (ALE215)	250g Amber Jar (AL	60g VOC (ALE215)	250g Amber Jar (AL	60g VOC (ALE215)	250g Amber Jar (AL	60g VOC (ALE215)	250g Amber Jar (AL	250g Amber Jar (AL	60g VOC (ALE215)	250g Amber Jar (AL	60g VOC (ALE215)
Asbestos Identification (Soil)	All	NDPs: 0 Tests: 8	X										X							X									X								X				
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 46		X			X			X				X		X		X			X		X		X		X			X		X		X		X			X		X	
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 46		X			X			X				X		X		X			X		X		X		X			X		X		X		X			X		X	
GRO by GC-FID (S)	All	NDPs: 0 Tests: 48				X			X			X			X		X		X			X		X		X		X			X		X		X		X			X		X
Metals by iCap-OES (Soil)	Arsenic	NDPs: 0 Tests: 33								X				X		X		X			X		X		X					X		X							X			
	Cadmium	NDPs: 0 Tests: 33								X				X		X		X			X		X		X					X		X							X			
	Chromium	NDPs: 0 Tests: 33								X				X		X		X			X		X		X					X		X							X			
	Copper	NDPs: 0 Tests: 33								X				X		X		X			X		X		X					X		X							X			
	Lead	NDPs: 0 Tests: 33								X				X		X		X			X		X		X					X		X							X			
	Mercury	NDPs: 0 Tests: 33								X				X		X		X			X		X		X					X		X							X			
	Nickel	NDPs: 0 Tests: 33								X				X		X		X			X		X		X					X		X							X			
	Selenium	NDPs: 0 Tests: 33								X				X		X		X			X		X		X					X		X							X			
	Vanadium	NDPs: 0 Tests: 33								X				X		X		X			X		X		X					X		X							X			
	Zinc	NDPs: 0 Tests: 33								X				X		X		X			X		X		X					X		X							X			
pH	All	NDPs: 0 Tests: 6			X			X			X																															

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

SOLID

Results Legend

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

Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container	Sample description (All; NDPs: 0, Tests: 49)	Semi Volatile Organic Compounds (All; NDPs: 0, Tests: 43)	Total Organic Carbon (All; NDPs: 0, Tests: 6)	TPH CWG GC (S) (All; NDPs: 0, Tests: 46)	VOC MS (S) (All; NDPs: 0, Tests: 43)
4096354	DUP 1 N		0.50	250g Amber Jar (AL					
4096355	DUP 1 N		1.30	250g Amber Jar (AL	X	X		X	
				400g Tub (ALE214)					
				60g VOC (ALE215)					X
4096356	DUP 1 N		2.30	250g Amber Jar (AL	X	X	X	X	
				400g Tub (ALE214)					
				60g VOC (ALE215)					X
4096357	DUP 1 W		0.30	250g Amber Jar (AL	X	X		X	
				400g Tub (ALE214)					
				60g VOC (ALE215)					X
4096358	DUP 1 W		0.70	250g Amber Jar (AL					
4096359	DUP 1 W		1.00	250g Amber Jar (AL	X	X		X	
				60g VOC (ALE215)					X
4096366	DUP 2 E		0.20	250g Amber Jar (AL	X	X		X	
				60g VOC (ALE215)					X
4096367	DUP 2 E		0.80	250g Amber Jar (AL	X	X		X	
				60g VOC (ALE215)					X
4096361	DUP 2 N		0.20	250g Amber Jar (AL					
4096362	DUP 2 N		0.60	250g Amber Jar (AL	X	X		X	
				60g VOC (ALE215)					X
4096363	DUP 2 N		1.50	250g Amber Jar (AL	X	X		X	
				60g VOC (ALE215)					X
4096364	DUP 2 S		0.40	250g Amber Jar (AL	X	X		X	
				60g VOC (ALE215)					X
4096365	DUP 2 S		1.20	250g Amber Jar (AL	X	X		X	
				60g VOC (ALE215)					X
4096368	DUP 2 W		0.40	250g Amber Jar (AL					
4096369	DUP 2 W		0.80	250g Amber Jar (AL	X	X		X	
				60g VOC (ALE215)					X
4096370	DUP 5 E		0.50	250g Amber Jar (AL	X	X		X	
				60g VOC (ALE215)					X
4096371	DUP 5 E		1.00	250g Amber Jar (AL	X	X		X	
				60g VOC (ALE215)					X
4096372	DUP 5 E		1.80	250g Amber Jar (AL	X	X		X	
				60g VOC (ALE215)					X
4096373	DUP 5 W		0.20	250g Amber Jar (AL					
4096374	DUP 5 W		0.80	250g Amber Jar (AL	X	X		X	
				60g VOC (ALE215)					X
4096375	DUP 5 W		1.50	250g Amber Jar (AL	X	X	X	X	
				60g VOC (ALE215)					X

ALcontrol Laboratories

CERTIFICATE OF ANALYSIS

Validated

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

SOLID

Results Legend

X Test

N No Determination Possible

SOLID	Lab Sample No(s)		4096376		4096382		4096383		4096385	4096386		4096389		4096390		4096391		4096392		4096393		4096399
	Customer Sample Reference		DUP 22 S		DUP 22 S		DUP 22 S		DUP 33 N	DUP 33 N		DUP 36 N		DUP 36 N		DUP 36 S		DUP 36 S		DUP 36 S		DUP 41 E
	AGS Reference																					
	Depth (m)		0.30		0.80		1.80		0.30	0.70		0.70		1.50		0.50		1.50		2.50		0.30
	Container		250g Amber Jar (AL	60g VOC (ALE215)	250g Amber Jar (AL	60g VOC (ALE215)	250g Amber Jar (AL	60g VOC (ALE215)	250g Amber Jar (AL	250g Amber Jar (AL	60g VOC (ALE215)	250g Amber Jar (AL	60g VOC (ALE215)	250g Amber Jar (AL	60g VOC (ALE215)	250g Amber Jar (AL	60g VOC (ALE215)	250g Amber Jar (AL	60g VOC (ALE215)	250g Amber Jar (AL	60g VOC (ALE215)	250g Amber Jar (AL
Asbestos Identification (Soil)	All	NDPs: 0 Tests: 8							X													
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 46	X		X		X			X		X		X		X		X		X		X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 46	X		X		X			X		X		X		X		X		X		X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 48		X		X		X			X		X		X		X		X		X	
Metals by iCap-OES (Soil)	Arsenic	NDPs: 0 Tests: 33	X		X				X	X		X				X		X				X
	Cadmium	NDPs: 0 Tests: 33	X		X				X	X		X				X		X				X
	Chromium	NDPs: 0 Tests: 33	X		X				X	X		X				X		X				X
	Copper	NDPs: 0 Tests: 33	X		X				X	X		X				X		X				X
	Lead	NDPs: 0 Tests: 33	X		X				X	X		X				X		X				X
	Mercury	NDPs: 0 Tests: 33	X		X				X	X		X				X		X				X
	Nickel	NDPs: 0 Tests: 33	X		X				X	X		X				X		X				X
	Selenium	NDPs: 0 Tests: 33	X		X				X	X		X				X		X				X
	Vanadium	NDPs: 0 Tests: 33	X		X				X	X		X				X		X				X
	Zinc	NDPs: 0 Tests: 33	X		X				X	X		X				X		X				X
PAH by GCMS	All	NDPs: 0 Tests: 2																				

SOLID	Lab Sample No(s)			4096400		4096401		4096402		4096403		4096405	4096395			4096396		4096397			4096398	
	Customer Sample Reference			DUP 41 E		DUP 41 E		DUP 41 W		DUP 41 W		DUP 63 W	SP 38 001			SP 38 002		SP 38 003			SP 38 004	
	AGS Reference																					
	Depth (m)			1.30		2.30		0.30		1.00		0.10										
	Container		60g VOC (ALE215)	250g Amber Jar (AL	60g VOC (ALE215)	250g Amber Jar (AL	60g VOC (ALE215)	250g Amber Jar (AL	60g VOC (ALE215)	250g Amber Jar (AL	60g VOC (ALE215)	250g Amber Jar (AL	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	60g VOC (ALE215)
Asbestos Identification (Soil)	All	NDPs: 0 Tests: 8														X					X	
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 46		X		X		X		X		X	X					X				
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 46		X		X		X		X		X	X					X				
GRO by GC-FID (S)	All	NDPs: 0 Tests: 48	X		X		X		X		X				X		X			X		X
Metals by iCap-OES (Soil)	Arsenic	NDPs: 0 Tests: 33		X				X		X		X	X					X				
	Cadmium	NDPs: 0 Tests: 33		X				X		X		X	X					X				
	Chromium	NDPs: 0 Tests: 33		X				X		X		X	X					X				
	Copper	NDPs: 0 Tests: 33		X				X		X		X	X					X				
	Lead	NDPs: 0 Tests: 33		X				X		X		X	X					X				
	Mercury	NDPs: 0 Tests: 33		X				X		X		X	X					X				
	Nickel	NDPs: 0 Tests: 33		X				X		X		X	X					X				
	Selenium	NDPs: 0 Tests: 33		X				X		X		X	X					X				
	Vanadium	NDPs: 0 Tests: 33		X				X		X		X	X					X				
	Zinc	NDPs: 0 Tests: 33		X				X		X		X	X					X				
PAH by GCMS	All	NDPs: 0 Tests: 2											X					X				

14:58:12 31/08/2011

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

SOLID

Results Legend

X **Test**

N **No Determination Possible**

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
			4096376	DUP 22 S		0.30	250g Amber Jar (AL
			4096382	DUP 22 S		0.80	60g VOC (ALE215)
			4096383	DUP 22 S		1.80	250g Amber Jar (AL
			4096385	DUP 33 N		0.30	60g VOC (ALE215)
			4096386	DUP 33 N		0.70	250g Amber Jar (AL
			4096389	DUP 36 N		0.70	60g VOC (ALE215)
			4096390	DUP 36 N		1.50	250g Amber Jar (AL
			4096391	DUP 36 S		0.50	60g VOC (ALE215)
			4096392	DUP 36 S		1.50	250g Amber Jar (AL
			4096393	DUP 36 S		2.50	60g VOC (ALE215)
			4096399	DUP 41 E		0.30	250g Amber Jar (AL
			4096400	DUP 41 E		1.30	60g VOC (ALE215)
			4096401	DUP 41 E		2.30	250g Amber Jar (AL
			4096402	DUP 41 W		0.30	60g VOC (ALE215)
			4096403	DUP 41 W		1.00	250g Amber Jar (AL
			4096405	DUP 63 W		0.10	250g Amber Jar (AL
			4096395	SP 38 001			400g Tub (ALE214)
			4096396	SP 38 002			60g VOC (ALE215)
			4096397	SP 38 003			250g Amber Jar (AL
			4096398	SP 38 004			60g VOC (ALE215)
pH	All	NDPs: 0 Tests: 6					400g Tub (ALE214)
Sample description	All	NDPs: 0 Tests: 49	X	X	X	X	250g Amber Jar (AL
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 43	X	X	X	X	250g Amber Jar (AL
Total Organic Carbon	All	NDPs: 0 Tests: 6			X	X	250g Amber Jar (AL
TPH CWG GC (S)	All	NDPs: 0 Tests: 46	X	X	X	X	250g Amber Jar (AL
VOC MS (S)	All	NDPs: 0 Tests: 43	X	X	X	X	60g VOC (ALE215)

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

SOLID

Results Legend

X **Test**

N **No Determination Possible**

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
			4096416	DUP 36 E		0.30	250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			4096417	DUP 36 E		1.10	250g Amber Jar (AL
							60g VOC (ALE215)
			4096419	DUP 36 E		3.00	250g Amber Jar (AL
			4096405	DUP 63 W		0.10	60g VOC (ALE215)
			4096406	DUP 63 W		0.60	250g Amber Jar (AL
							60g VOC (ALE215)
			4096407	DUP 63 W		1.60	250g Amber Jar (AL
							60g VOC (ALE215)
			4096408	DUP 75		0.50	250g Amber Jar (AL
							60g VOC (ALE215)
			4096409	DUP 75		1.00	250g Amber Jar (AL
							60g VOC (ALE215)
			4096410	DUP 75		1.50	250g Amber Jar (AL
							60g VOC (ALE215)
			4096411	DUP 76		0.50	250g Amber Jar (AL
							60g VOC (ALE215)
			4096412	DUP 76		1.20	250g Amber Jar (AL
							60g VOC (ALE215)
			4096413	DUP 77		0.20	250g Amber Jar (AL
							60g VOC (ALE215)
			4096414	DUP 77		1.00	250g Amber Jar (AL
							60g VOC (ALE215)
			4096415	DUP 77		1.50	250g Amber Jar (AL
							60g VOC (ALE215)
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 48		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Metals by iCap-OES (Soil)	Arsenic	NDPs: 0 Tests: 33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Cadmium	NDPs: 0 Tests: 33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Chromium	NDPs: 0 Tests: 33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Copper	NDPs: 0 Tests: 33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Lead	NDPs: 0 Tests: 33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Mercury	NDPs: 0 Tests: 33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Nickel	NDPs: 0 Tests: 33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Selenium	NDPs: 0 Tests: 33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Vanadium	NDPs: 0 Tests: 33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Zinc	NDPs: 0 Tests: 33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
pH	All	NDPs: 0 Tests: 6		X																				
Sample description	All	NDPs: 0 Tests: 49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

SOLID

Results Legend

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

Lab Sample No(s)			4096416			4096417		4096419		4096405	4096406		4096407		4096408		4096409		4096410		4096411		4096412		4096413		4096414		4096415	
Customer Sample Reference			DUP 36 E			DUP 36 E		DUP 36 E		DUP 63 W	DUP 63 W		DUP 63 W		DUP 75		DUP 75		DUP 75		DUP 76		DUP 76		DUP 77		DUP 77		DUP 77	
AGS Reference																														
Depth (m)			0.30			1.10		3.00		0.10	0.60		1.60		0.50		1.00		1.50		0.50		1.20		0.20		1.00		1.50	
Container			250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	60g VOC (ALE215)	250g Amber Jar (AL	60g VOC (ALE215)	60g VOC (ALE215)	250g Amber Jar (AL	60g VOC (ALE215)	250g Amber Jar (AL	60g VOC (ALE215)	250g Amber Jar (AL	60g VOC (ALE215)	250g Amber Jar (AL	60g VOC (ALE215)	250g Amber Jar (AL	60g VOC (ALE215)	250g Amber Jar (AL	60g VOC (ALE215)	250g Amber Jar (AL	60g VOC (ALE215)	250g Amber Jar (AL	60g VOC (ALE215)	250g Amber Jar (AL	60g VOC (ALE215)	250g Amber Jar (AL	60g VOC (ALE215)
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 43	X			X		X			X		X		X		X		X		X		X		X		X		X	
Total Organic Carbon	All	NDPs: 0 Tests: 6																											X	
TPH CWG GC (S)	All	NDPs: 0 Tests: 46	X			X		X			X		X		X		X		X		X		X		X		X		X	
VOC MS (S)	All	NDPs: 0 Tests: 43			X		X		X	X		X		X		X		X		X		X		X		X		X		X

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**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
4096408	DUP 75	0.50	Dark Brown	Silty Sand	0.1 - 2 mm	Stones	None
4096409	DUP 75	1.00	Grey	Sand	0.1 - 2 mm	Stones	None
4096410	DUP 75	1.50	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	None
4096411	DUP 76	0.50	Black	Sandy Clay Loam	0.1 - 2 mm	Stones	Tar
4096412	DUP 76	1.20	Grey	Gravel	0.1 - 2 mm	Stones	N/A
4096413	DUP 77	0.20	Dark Brown	Sand	0.1 - 2 mm	Stones	None
4096414	DUP 77	1.00	Grey	Sand	0.1 - 2 mm	Stones	None
4096415	DUP 77	1.50	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	None
4096366	DUP 2 E	0.20	Dark Brown	Silty Sand	0.1 - 2 mm	Stones	None
4096367	DUP 2 E	0.80	Black	Loamy Sand	0.1 - 2 mm	Stones	Oil/Petroleum
4096370	DUP 5 E	0.50	Dark Brown	Sand	0.1 - 2 mm	Stones	None
4096371	DUP 5 E	1.00	Beige	Sand	0.1 - 2 mm	Stones	None
4096372	DUP 5 E	1.80	Light Brown	Sandy Clay	0.1 - 2 mm	Stones	None
4096416	DUP 36 E	0.30	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Ash/Soot
4096417	DUP 36 E	1.10	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	Oil/Petroleum
4096419	DUP 36 E	3.00	Dark Brown	Clay	<0.063 mm	Stones	Oil/Petroleum
4096399	DUP 41 E	0.30	Black	N/A	0.1 - 2 mm	Ash/Soot	Tar
4096400	DUP 41 E	1.30	Dark Brown	Silty Clay Loam	0.1 - 2 mm	Stones	None
4096401	DUP 41 E	2.30	Light Brown	Sand	0.1 - 2 mm	Stones	None
4096355	DUP 1 N	1.30	Black	Loamy Sand	0.1 - 2 mm	Stones	Oil/Petroleum
4096356	DUP 1 N	2.30	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	None	None
4096362	DUP 2 N	0.60	Black	Loamy Sand	0.1 - 2 mm	Stones	None
4096363	DUP 2 N	1.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Oil/Petroleum
4096385	DUP 33 N	0.30	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
4096386	DUP 33 N	0.70	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	None
4096389	DUP 36 N	0.70	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	None
4096390	DUP 36 N	1.50	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	None
4096364	DUP 2 S	0.40	Dark Brown	Sand	0.1 - 2 mm	Stones	None
4096365	DUP 2 S	1.20	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	None
4096376	DUP 22 S	0.30	Black	Loamy Sand	0.1 - 2 mm	Stones	Oil/Petroleum
4096382	DUP 22 S	0.80	Black	Loamy Sand	0.1 - 2 mm	Stones	Oil/Petroleum
4096383	DUP 22 S	1.80	Grey	Sandy Loam	0.1 - 2 mm	Stones	Oil/Petroleum
4096391	DUP 36 S	0.50	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	None
4096392	DUP 36 S	1.50	Black	Sandy Clay Loam	0.1 - 2 mm	Stones	Oil/Petroleum
4096393	DUP 36 S	2.50	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	None
4096357	DUP 1 W	0.30	Dark Brown	Sand	0.1 - 2 mm	Stones	None
4096359	DUP 1 W	1.00	Beige	Loamy Sand	0.1 - 2 mm	Stones	Oil/Petroleum
4096369	DUP 2 W	0.80	Dark Brown	Sand	0.1 - 2 mm	Stones	None

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

			Colour	Description	Grain size	Inclusions	Inclusions 2
4096374	DUP 5 W	0.80	Dark Brown	Sand	0.1 - 2 mm	Stones	Oil/Petroleum
4096375	DUP 5 W	1.50	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	Oil/Petroleum
4096402	DUP 41 W	0.30	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Ash/Soot
4096403	DUP 41 W	1.00	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	None
4096405	DUP 63 W	0.10	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	None
4096406	DUP 63 W	0.60	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	Oil/Petroleum
4096407	DUP 63 W	1.60	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	Oil/Petroleum
4096395	SP 38 001		Dark Brown	Silt	0.063 - 0.1 mm	Stones	None
4096396	SP 38 002		Light Brown	Sandy Clay	0.1 - 2 mm	Stones	None
4096397	SP 38 003		Dark Brown	Silt	0.063 - 0.1 mm	Stones	None
4096398	SP 38 004		Light Brown	Sand	0.1 - 2 mm	Stones	None

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

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

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

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DUP 75	DUP 75	DUP 76	DUP 76	DUP 77	DUP 77
			Depth (m)	0.50	1.00	0.50	1.20	0.20	1.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	10/08/2011	10/08/2011	10/08/2011	10/08/2011	11/08/2011	11/08/2011
			Date Received	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011
			SDG Ref	110812-144	110812-144	110812-144	110812-144	110812-144	110812-144
			Lab Sample No.(s)	4096408	4096409	4096411	4096412	4096413	4096414
			AGS Reference						
Arsenic	<0.6 mg/kg	TM181		7.47 M	4.16 M	11.9 M	3.29 #	16.7 M	3.56 M
Cadmium	<0.02 mg/kg	TM181		0.453 M	<0.02 M	0.456 M	0.18 #	0.496 M	0.044 M
Chromium	<0.9 mg/kg	TM181		10.8 M	6.58 M	10.9 M	4.94 #	12.2 M	8.59 M
Copper	<1.4 mg/kg	TM181		15.1 M	1.64 M	36.3 M	8.52 #	41.5 M	1.66 M
Lead	<0.7 mg/kg	TM181		49.7 M	3.41 M	83.7 M	16.8 #		
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 #	1.77 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		17.3 M	1.34 M	9.04 M	1.87 #	10.4 M	0.604 M
Selenium	<1 mg/kg	TM181		<1 #	2.37 #	1.16 #	<1 #	<1 #	2.27 #
Vanadium	<0.2 mg/kg	TM181		12.4 #	14.6 #	13.7 #	7.17 #	14.6 #	15.4 #
Zinc	<1.9 mg/kg	TM181		188 M	15.9 M	224 M	34.4 #	375 M	34.5 M

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	Depth (m)	Sample Type	Date Sampled	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
			DUP 77	1.50	Soil/Solid	11/08/2011	12/08/2011	110812-144	4096415	
			DUP 2 E	0.20	Soil/Solid	10/08/2011	12/08/2011	110812-144	4096366	
			DUP 2 E	0.80	Soil/Solid	10/08/2011	12/08/2011	110812-144	4096367	
			DUP 5 E	0.50	Soil/Solid	10/08/2011	12/08/2011	110812-144	4096370	
			DUP 36 E	0.30	Soil/Solid	10/08/2011	12/08/2011	110812-144	4096416	
			DUP 36 E	1.10	Soil/Solid	10/08/2011	12/08/2011	110812-144	4096417	
Soil Organic Matter (SOM)	<0.35 %	TM132	1.19 #							
pH	1 pH Units	TM133							7.92 M	
Arsenic	<0.6 mg/kg	TM181		6.83 M		35.1 M		4.07 M	11.7 M	9.09 M
Cadmium	<0.02 mg/kg	TM181		0.273 M		0.759 M		0.249 M	0.572 M	0.634 M
Chromium	<0.9 mg/kg	TM181		7.27 M		10.9 M		6.03 M	14.8 M	12.5 M
Copper	<1.4 mg/kg	TM181		14.6 M		150 M		7.08 M	51.2 M	16.1 M
Lead	<0.7 mg/kg	TM181		62.3 M		105 M		26.9 M	45.8 M	19.1 M
Mercury	<0.14 mg/kg	TM181		<0.14 M		<0.14 M		<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		5.8 M		16.1 M		4.27 M	30.3 M	18.4 M
Selenium	<1 mg/kg	TM181		1.33 #		1.88 #		1.21 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		14.6 #		43.5 #		10.4 #	17.9 #	12.9 #
Zinc	<1.9 mg/kg	TM181		232 M		278 M		112 M	198 M	69.3 M

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
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aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DUP 41 E	DUP 41 E	DUP 1 N	DUP 1 N	DUP 2 N	DUP 2 N
			Depth (m)	0.30	1.30	1.30	2.30	0.60	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/08/2011	11/08/2011	10/08/2011	10/08/2011	10/08/2011	10/08/2011
			Date Received	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011
			SDG Ref	110812-144	110812-144	110812-144	110812-144	110812-144	110812-144
			Lab Sample No.(s)	4096399	4096400	4096355	4096356	4096362	4096363
			AGS Reference						
Soil Organic Matter (SOM)	<0.35 %	TM132					1.12 #		
pH	1 pH Units	TM133				10.1 M	8.86 M		
Arsenic	<0.6 mg/kg	TM181		21.7 #	5.02 M			5.05 M	4.98 M
Cadmium	<0.02 mg/kg	TM181		1.13 #	0.266 M			0.166 M	0.0662 M
Chromium	<0.9 mg/kg	TM181		18.2 #	12.3 M			8.9 M	5.98 M
Copper	<1.4 mg/kg	TM181		137 #	10.9 M			10.1 M	4.8 M
Lead	<0.7 mg/kg	TM181		73 #	12.4 M			18.4 M	8.45 M
Mercury	<0.14 mg/kg	TM181		<0.14 #	<0.14 M			<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		54.5 #	16.7 M			3.24 M	4.06 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #			1.55 #	2.6 #
Vanadium	<0.2 mg/kg	TM181		40.3 #	12 #			7.82 #	5.67 #
Zinc	<1.9 mg/kg	TM181		246 #	52.8 M			46.6 M	55.4 M

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

Results Legend

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Component	LOD/Units	Method	Customer Sample R	DUP 33 N	DUP 33 N	DUP 36 N	DUP 2 S	DUP 22 S	DUP 22 S
			Depth (m)	0.30	0.70	0.70	0.40	0.30	0.80
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	10/08/2011	10/08/2011	10/08/2011	10/08/2011	11/08/2011	11/08/2011
			Date Received	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011
			SDG Ref	110812-144	110812-144	110812-144	110812-144	110812-144	110812-144
			Lab Sample No.(s)	4096385	4096386	4096389	4096364	4096376	4096382
			AGS Reference						
Arsenic	<0.6 mg/kg	TM181		7.51 M	8.64 M	8.12 M	7.32 M	11.3 M	7.23 M
Cadmium	<0.02 mg/kg	TM181		0.452 M	0.599 M	0.436 M	0.382 M	0.486 M	0.464 M
Chromium	<0.9 mg/kg	TM181		11.3 M	11.9 M	11.5 M	9.52 M	18.8 M	39.6 M
Copper	<1.4 mg/kg	TM181		10.7 M	12.5 M	12.7 M	13.8 M	22.1 M	65.4 M
Lead	<0.7 mg/kg	TM181		12.3 M	12.3 M	10.9 M	60.8 M	113 M	174 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	0.338 M	0.776 M
Nickel	<0.2 mg/kg	TM181		21.2 M	24.8 M	18.8 M	7.98 M	16.3 M	35.1 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	1.23 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		11.8 #	13 #	11.9 #	11.6 #	19.8 #	9.02 #
Zinc	<1.9 mg/kg	TM181		62.6 M	68.3 M	53.2 M	138 M	285 M	256 M

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

Results Legend

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Component	LOD/Units	Method	Customer Sample R	Depth (m)	Sample Type	Date Sampled	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
			DUP 22 S	1.80	Soil/Solid	11/08/2011	12/08/2011	110812-144	4096383	
			DUP 36 S	0.50	Soil/Solid	10/08/2011	12/08/2011	110812-144	4096391	
			DUP 36 S	1.50	Soil/Solid	10/08/2011	12/08/2011	110812-144	4096392	
			DUP 1 W	0.30	Soil/Solid	10/08/2011	12/08/2011	110812-144	4096357	
			DUP 1 W	1.00	Soil/Solid	10/08/2011	12/08/2011	110812-144	4096359	
			DUP 2 W	0.80	Soil/Solid	10/08/2011	12/08/2011	110812-144	4096369	
Soil Organic Matter (SOM)	<0.35 %	TM132	0.721 #							
pH	1 pH Units	TM133						11.3 M		
Arsenic	<0.6 mg/kg	TM181		8.98 M		8.17 M		11.6 M	6.19 M	14.8 M
Cadmium	<0.02 mg/kg	TM181		0.836 M		0.579 M		0.331 M	0.49 M	0.41 M
Chromium	<0.9 mg/kg	TM181		13 M		11.9 M		9.93 M	11.6 M	12.9 M
Copper	<1.4 mg/kg	TM181		15.7 M		11.7 M		22.2 M	11.6 M	26.4 M
Lead	<0.7 mg/kg	TM181		16 M		11.6 M		83.1 M	18.3 M	151 M
Mercury	<0.14 mg/kg	TM181		<0.14 M		<0.14 M		<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		24.7 M		24.4 M		6.36 M	22 M	6.76 M
Selenium	<1 mg/kg	TM181		<1 #		<1 #		<1 #	<1 #	2.17 #
Vanadium	<0.2 mg/kg	TM181		15.7 #		10.9 #		16.1 #	10.9 #	26.6 #
Zinc	<1.9 mg/kg	TM181		94.6 M		65.7 M		458 M	154 M	307 M

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DUP 5 W	DUP 5 W	DUP 41 W	DUP 41 W	DUP 63 W	DUP 63 W
			Depth (m)	0.80	1.50	0.30	1.00	0.10	0.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	10/08/2011	10/08/2011	11/08/2011	11/08/2011	11/08/2011	11/08/2011
			Date Received	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011
			SDG Ref	110812-144	110812-144	110812-144	110812-144	110812-144	110812-144
			Lab Sample No.(s)	4096374	4096375	4096402	4096403	4096405	4096406
			AGS Reference						
Soil Organic Matter (SOM)	<0.35 %	TM132			1.67 #				
Arsenic	<0.6 mg/kg	TM181		1.55 M		19.1 M	13.7 M	11.2 M	12.5 M
Cadmium	<0.02 mg/kg	TM181		0.108 M		2.05 M	0.297 M	0.61 M	0.599 M
Chromium	<0.9 mg/kg	TM181		3.24 M		137 M	16.5 M	14 M	11.5 M
Copper	<1.4 mg/kg	TM181		2.3 M		56.7 M	10.6 M	30 M	25.9 M
Lead	<0.7 mg/kg	TM181		12.6 M		13.9 M	15.7 M	68.7 M	34.2 M
Mercury	<0.14 mg/kg	TM181		<0.14 M		<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		1.63 M		40.4 M	18.2 M	21.2 M	23.1 M
Selenium	<1 mg/kg	TM181		<1 #		10 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		2.29 #		97 #	19.1 #	16.2 #	12.8 #
Zinc	<1.9 mg/kg	TM181		25.3 M		162 M	36 M	192 M	123 M

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	SP 38 001	SP 38 003			
			Depth (m)	.	.			
			Sample Type	Soil/Solid	Soil/Solid			
			Date Sampled	09/08/2011	09/08/2011			
			Date Received	12/08/2011	12/08/2011			
			SDG Ref	110812-144	110812-144			
			Lab Sample No.(s)	4096395	4096397			
			AGS Reference					
Soil Organic Matter (SOM)	<0.35 %	TM132		3.5 #	3.22 #			
pH	1 pH Units	TM133		8.25 #	8.45 #			
Arsenic	<0.6 mg/kg	TM181		17.3 #	15.1 #			
Cadmium	<0.02 mg/kg	TM181		0.908 #	0.783 #			
Chromium	<0.9 mg/kg	TM181		23.9 #	19.5 #			
Copper	<1.4 mg/kg	TM181		67.8 #	51.9 #			
Lead	<0.7 mg/kg	TM181		43.4 #	42.5 #			
Mercury	<0.14 mg/kg	TM181		<0.14 #	<0.14 #			
Nickel	<0.2 mg/kg	TM181		30.5 #	22 #			
Selenium	<1 mg/kg	TM181		<1 #	<1 #			
Vanadium	<0.2 mg/kg	TM181		42.7 #	36.8 #			
Zinc	<1.9 mg/kg	TM181		143 #	125 #			

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

GRO by GC-FID (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	SP 38 002	SP 38 004			
			Depth (m)	.	.			
			Sample Type	Soil/Solid	Soil/Solid			
			Date Sampled	09/08/2011	09/08/2011			
			Date Received	12/08/2011	12/08/2011			
			SDG Ref	110812-144	110812-144			
			Lab Sample No.(s)	4096396	4096398			
			AGS Reference					
GRO Surrogate % recovery**	%	TM089		62	60			
GRO >C5-C12	<44 µg/kg	TM089		<44	61.2			
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 #	<5 #			
Benzene	<10 µg/kg	TM089		<10 M	<10 M			
Toluene	<2 µg/kg	TM089		<2 M	<2 M			
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M			
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M			
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M			
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9			
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24			
Aliphatics >C5-C6	<10 µg/kg	TM089		<10	<10			
Aliphatics >C6-C8	<10 µg/kg	TM089		<10	<10			
Aliphatics >C8-C10	<10 µg/kg	TM089		<10	<10			
Aliphatics >C10-C12	<10 µg/kg	TM089		<10	17.2			
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10			
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10			
Aromatics >EC8-EC10	<10 µg/kg	TM089		<10	<10			
Aromatics >EC10-EC12	<10 µg/kg	TM089		<10	11.8			

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

PAH by GCMS

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	SP 38 001	SP 38 003			
			Depth (m)	.	.			
			Sample Type	Soil/Solid	Soil/Solid			
			Date Sampled	09/08/2011	09/08/2011			
			Date Received	12/08/2011	12/08/2011			
			SDG Ref	110812-144	110812-144			
			Lab Sample No.(s)	4096395	4096397			
			AGS Reference					
Naphthalene-d8 % recovery**	%	TM218		84.9	88.1			
Acenaphthene-d10 % recovery**	%	TM218		82.9	87.8			
Phenanthrene-d10 % recovery**	%	TM218		83.8	88.3			
Chrysene-d12 % recovery**	%	TM218		83.9	91.9			
Perylene-d12 % recovery**	%	TM218		90.5	97.1			
Naphthalene	<9 µg/kg	TM218		51.4 #	110 #			
Acenaphthylene	<12 µg/kg	TM218		16.8 #	92.1 #			
Acenaphthene	<8 µg/kg	TM218		30 #	69.3 #			
Fluorene	<10 µg/kg	TM218		30 #	98.6 #			
Phenanthrene	<15 µg/kg	TM218		208 #	650 #			
Anthracene	<16 µg/kg	TM218		31.7 #	151 #			
Fluoranthene	<17 µg/kg	TM218		291 #	1310 #			
Pyrene	<15 µg/kg	TM218		249 #	1040 #			
Benz(a)anthracene	<14 µg/kg	TM218		193 #	911 #			
Chrysene	<10 µg/kg	TM218		238 #	756 #			
Benzo(b)fluoranthene	<15 µg/kg	TM218		398 #	1400 #			
Benzo(k)fluoranthene	<14 µg/kg	TM218		132 #	421 #			
Benzo(a)pyrene	<15 µg/kg	TM218		232 #	889 #			
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		154 #	497 #			
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		60.2 #	205 #			
Benzo(g,h,i)perylene	<24 µg/kg	TM218		198 #	569 #			
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		2510	9180			

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DUP 75	DUP 75	DUP 75	DUP 76	DUP 76	DUP 77
			Depth (m)	0.50	1.00	1.50	0.50	1.20	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	10/08/2011	10/08/2011	10/08/2011	10/08/2011	10/08/2011	11/08/2011
			Date Received	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011
			SDG Ref	110812-144	110812-144	110812-144	110812-144	110812-144	110812-144
			Lab Sample No.(s)	4096408	4096409	4096410	4096411	4096412	4096413
			AGS Reference						
Phenol	<100 µg/kg	TM157		<500	<100	<100	<200	<100	<200
Pentachlorophenol	<100 µg/kg	TM157		<500	<100	<100	<200	<100	<200
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<500	<100	<100	<200	<100	<200
Nitrobenzene	<100 µg/kg	TM157		<500	<100	<100	<200	<100	<200
Isophorone	<100 µg/kg	TM157		<500	<100	<100	<200	<100	<200
Hexachloroethane	<100 µg/kg	TM157		<500	<100	<100	<200	<100	<200
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<500	<100	<100	<200	<100	<200
Hexachlorobutadiene	<100 µg/kg	TM157		<500	<100	<100	<200	<100	<200
Hexachlorobenzene	<100 µg/kg	TM157		<500	<100	<100	<200	<100	<200
n-Dioctyl phthalate	<100 µg/kg	TM157		<500	<100	<100	<200	<100	<200
Dimethyl phthalate	<100 µg/kg	TM157		<500	<100	<100	<200	<100	<200
Diethyl phthalate	<100 µg/kg	TM157		<500	<100	<100	<200	<100	<200
n-Dibutyl phthalate	<100 µg/kg	TM157		<500	<100	<100	<200	<100	<200
Dibenzofuran	<100 µg/kg	TM157		<500	<100	<100	<200	<100	<200
Carbazole	<100 µg/kg	TM157		<500	<100	<100	<200	<100	<200
Butylbenzyl phthalate	<100 µg/kg	TM157		<500	<100	<100	<200	148	<200
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<500	<100	<100	493	275	1280
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<500	<100	<100	<200	<100	<200
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<500	<100	<100	<200	<100	<200
Azobenzene	<100 µg/kg	TM157		<500	<100	<100	<200	<100	<200
4-Nitrophenol	<100 µg/kg	TM157		<500	<100	<100	<200	<100	<200
4-Nitroaniline	<100 µg/kg	TM157		<500	<100	<100	<200	<100	<200
4-Methylphenol	<100 µg/kg	TM157		<500	<100	<100	<200	<100	<200
4-Chlorophenylphenylether	<100 µg/kg	TM157		<500	<100	<100	<200	<100	<200
4-Chloroaniline	<100 µg/kg	TM157		<500	<100	<100	<200	<100	<200
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<500	<100	<100	<200	<100	<200
4-Bromophenylphenylether	<100 µg/kg	TM157		<500	<100	<100	<200	<100	<200
3-Nitroaniline	<100 µg/kg	TM157		<500	<100	<100	<200	<100	<200
2-Nitrophenol	<100 µg/kg	TM157		<500	<100	<100	<200	<100	<200
2-Nitroaniline	<100 µg/kg	TM157		<500	<100	<100	<200	<100	<200
2-Methylphenol	<100 µg/kg	TM157		<500	<100	<100	<200	<100	<200
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<500	<100	<100	<200	<100	<200
2-Chlorophenol	<100 µg/kg	TM157		<500	<100	<100	<200	<100	<200
2,6-Dinitrotoluene	<100 µg/kg	TM157		<500	<100	<100	<200	<100	<200
2,4-Dinitrotoluene	<100 µg/kg	TM157		<500	<100	<100	<200	<100	<200

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DUP 75	DUP 75	DUP 75	DUP 76	DUP 76	DUP 77
			Depth (m)	0.50	1.00	1.50	0.50	1.20	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	10/08/2011	10/08/2011	10/08/2011	10/08/2011	10/08/2011	11/08/2011
			Date Received	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011
			SDG Ref	110812-144	110812-144	110812-144	110812-144	110812-144	110812-144
			Lab Sample No.(s)	4096408	4096409	4096410	4096411	4096412	4096413
			AGS Reference						
2,4-Dimethylphenol	<100 µg/kg	TM157		<500	<100	<100	<200	<100	<200
2,4-Dichlorophenol	<100 µg/kg	TM157		<500	<100	<100	<200	<100	<200
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<500	<100	<100	<200	<100	<200
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<500	<100	<100	<200	<100	<200
1,4-Dichlorobenzene	<100 µg/kg	TM157		<500	<100	<100	<200	<100	<200
1,3-Dichlorobenzene	<100 µg/kg	TM157		<500	<100	<100	<200	<100	<200
1,2-Dichlorobenzene	<100 µg/kg	TM157		<500	<100	<100	<200	<100	<200
2-Chloronaphthalene	<100 µg/kg	TM157		<500	<100	<100	<200	<100	<200
2-Methylnaphthalene	<100 µg/kg	TM157		2210	237	<100	1930	6160	630
Acenaphthylene	<100 µg/kg	TM157		<500	<100	<100	<200	<100	<200
Acenaphthene	<100 µg/kg	TM157		<500	126	<100	448	<100	278
Anthracene	<100 µg/kg	TM157		<500	<100	<100	<200	<100	246
Benzo(a)anthracene	<100 µg/kg	TM157		<500	<100	<100	325	268	568
Benzo(b)fluoranthene	<100 µg/kg	TM157		<500	263	<100	461	<100	715
Benzo(k)fluoranthene	<100 µg/kg	TM157		<500	<100	<100	<200	<100	424
Benzo(a)pyrene	<100 µg/kg	TM157		<500	120	<100	289	<100	625
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<500	<100	<100	426	<100	563
Chrysene	<100 µg/kg	TM157		1190	810	<100	1470	1560	1490
Fluoranthene	<100 µg/kg	TM157		<500	<100	<100	559	206	1130
Fluorene	<100 µg/kg	TM157		934	115	<100	441	<100	352
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<500	<100	<100	<200	<100	436
Phenanthrene	<100 µg/kg	TM157		3300	333	<100	1020	508	987
Pyrene	<100 µg/kg	TM157		1040	160	<100	889	1040	1730
Naphthalene	<100 µg/kg	TM157		<500	126	<100	295	2350	259
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<500	<100	<100	<200	<100	<200

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DUP 77	DUP 77	DUP 2 E	DUP 2 E	DUP 5 E	DUP 5 E
			Depth (m)	1.00	1.50	0.20	0.80	0.50	1.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/08/2011	11/08/2011	10/08/2011	10/08/2011	10/08/2011	10/08/2011
			Date Received	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011
			SDG Ref	110812-144	110812-144	110812-144	110812-144	110812-144	110812-144
			Lab Sample No.(s)	4096414	4096415	4096366	4096367	4096370	4096371
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	1630	301	<200	<100
Carbazole	<100 µg/kg	TM157		<100	<100	421	132	<200	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	4680	481	1460	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	766	<200	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DUP 77	DUP 77	DUP 2 E	DUP 2 E	DUP 5 E	DUP 5 E
			Depth (m)	1.00	1.50	0.20	0.80	0.50	1.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/08/2011	11/08/2011	10/08/2011	10/08/2011	10/08/2011	10/08/2011
			Date Received	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011
			SDG Ref	110812-144	110812-144	110812-144	110812-144	110812-144	110812-144
			Lab Sample No.(s)	4096414	4096415	4096366	4096367	4096370	4096371
			AGS Reference						
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
2-Methylnaphthalene	<100 µg/kg	TM157		13600	<100	9780	3910	<200	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	3770	661	<200	<100
Anthracene	<100 µg/kg	TM157		<100	<100	1410	195	<200	<100
Benzo(a)anthracene	<100 µg/kg	TM157		314	<100	547	<100	<200	201
Benzo(b)fluoranthene	<100 µg/kg	TM157		<100	<100	239	<100	218	<100
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	<100	190	<100	<200	<100
Benzo(a)pyrene	<100 µg/kg	TM157		<100	<100	207	<100	216	<100
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	<100	188	<100	<200	<100
Chrysene	<100 µg/kg	TM157		1580	<100	1340	233	422	1140
Fluoranthene	<100 µg/kg	TM157		157	<100	980	169	295	<100
Fluorene	<100 µg/kg	TM157		<100	<100	4860	736	<200	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	<100	128	<100	<200	<100
Phenanthrene	<100 µg/kg	TM157		461	<100	12300	2250	<200	610
Pyrene	<100 µg/kg	TM157		908	<100	3420	507	450	544
Naphthalene	<100 µg/kg	TM157		2160	<100	463	790	<200	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DUP 5 E	DUP 36 E	DUP 36 E	DUP 36 E	DUP 41 E	DUP 41 E
			Depth (m)	1.80	0.30	1.10	3.00	0.30	1.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	10/08/2011	10/08/2011	10/08/2011	10/08/2011	11/08/2011	11/08/2011
			Date Received	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011
			SDG Ref	110812-144	110812-144	110812-144	110812-144	110812-144	110812-144
			Lab Sample No.(s)	4096372	4096416	4096417	4096419	4096399	4096400
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	153	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	190	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	173	165	<100	197	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DUP 5 E	DUP 36 E	DUP 36 E	DUP 36 E	DUP 41 E	DUP 41 E
			Depth (m)	1.80	0.30	1.10	3.00	0.30	1.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	10/08/2011	10/08/2011	10/08/2011	10/08/2011	11/08/2011	11/08/2011
			Date Received	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011
			SDG Ref	110812-144	110812-144	110812-144	110812-144	110812-144	110812-144
			Lab Sample No.(s)	4096372	4096416	4096417	4096419	4096399	4096400
			AGS Reference						
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	561	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	288	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	144	<100	<100	<100
Anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	471	<100
Benzo(a)anthracene	<100 µg/kg	TM157		<100	391	<100	<100	1780	<100
Benzo(b)fluoranthene	<100 µg/kg	TM157		<100	378	<100	<100	1600	<100
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	347	<100	<100	1510	<100
Benzo(a)pyrene	<100 µg/kg	TM157		<100	354	<100	<100	1860	<100
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	283	<100	<100	1310	<100
Chrysene	<100 µg/kg	TM157		<100	452	<100	<100	2060	<100
Fluoranthene	<100 µg/kg	TM157		<100	566	<100	<100	3700	<100
Fluorene	<100 µg/kg	TM157		<100	<100	290	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	229	<100	<100	1190	<100
Phenanthrene	<100 µg/kg	TM157		<100	322	570	<100	1840	<100
Pyrene	<100 µg/kg	TM157		<100	595	170	<100	3180	<100
Naphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	542	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	265	<100

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DUP 41 E	DUP 1 N	DUP 1 N	DUP 2 N	DUP 2 N	DUP 33 N
			Depth (m)	2.30	1.30	2.30	0.60	1.50	0.70
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/08/2011	10/08/2011	10/08/2011	10/08/2011	10/08/2011	10/08/2011
			Date Received	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011
			SDG Ref	110812-144	110812-144	110812-144	110812-144	110812-144	110812-144
			Lab Sample No.(s)	4096401	4096355	4096356	4096362	4096363	4096386
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<500	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<500	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<500	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<500	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<500	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<500	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<500	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<500	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<500	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<500	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<500	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<500	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<500	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<500	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<500	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<500	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	130	983	259	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<500	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<500	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<500	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<500	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<500	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<500	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<500	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<500	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<500	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<500	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<500	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<500	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<500	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<500	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<500	<100	<100
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<500	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<500	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<500	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DUP 41 E	DUP 1 N	DUP 1 N	DUP 2 N	DUP 2 N	DUP 33 N
			Depth (m)	2.30	1.30	2.30	0.60	1.50	0.70
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/08/2011	10/08/2011	10/08/2011	10/08/2011	10/08/2011	10/08/2011
			Date Received	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011
			SDG Ref	110812-144	110812-144	110812-144	110812-144	110812-144	110812-144
			Lab Sample No.(s)	4096401	4096355	4096356	4096362	4096363	4096386
			AGS Reference						
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<500	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<500	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<500	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<500	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<500	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<500	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<500	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<500	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	<100	838	202	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<500	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	587	209	<100
Anthracene	<100 µg/kg	TM157		<100	<100	<100	<500	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		<100	<100	<100	<500	<100	<100
Benzo(b)fluoranthene	<100 µg/kg	TM157		<100	<100	<100	<500	<100	<100
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	<100	<100	<500	<100	<100
Benzo(a)pyrene	<100 µg/kg	TM157		<100	<100	<100	<500	<100	<100
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	<100	<100	<500	<100	<100
Chrysene	<100 µg/kg	TM157		<100	<100	<100	<500	153	<100
Fluoranthene	<100 µg/kg	TM157		124	<100	<100	<500	196	<100
Fluorene	<100 µg/kg	TM157		<100	<100	<100	817	262	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	<100	<100	<500	<100	<100
Phenanthrene	<100 µg/kg	TM157		<100	<100	<100	2040	457	<100
Pyrene	<100 µg/kg	TM157		<100	<100	<100	1040	399	<100
Naphthalene	<100 µg/kg	TM157		<100	<100	<100	<500	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	<500	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DUP 36 N	DUP 36 N	DUP 2 S	DUP 2 S	DUP 22 S	DUP 22 S
			Depth (m)	0.70	1.50	0.40	1.20	0.30	0.80
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	10/08/2011	10/08/2011	10/08/2011	10/08/2011	11/08/2011	11/08/2011
			Date Received	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011
			SDG Ref	110812-144	110812-144	110812-144	110812-144	110812-144	110812-144
			Lab Sample No.(s)	4096389	4096390	4096364	4096365	4096376	4096382
			AGS Reference						
Phenol	<100 ug/kg	TM157		<100	<100	<200	<100	<100	<100
Pentachlorophenol	<100 ug/kg	TM157		<100	<100	<200	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 ug/kg	TM157		<100	<100	<200	<100	<100	<100
Nitrobenzene	<100 ug/kg	TM157		<100	<100	<200	<100	<100	<100
Isophorone	<100 ug/kg	TM157		<100	<100	<200	<100	<100	<100
Hexachloroethane	<100 ug/kg	TM157		<100	<100	<200	<100	<100	<100
Hexachlorocyclopentadiene	<100 ug/kg	TM157		<100	<100	<200	<100	<100	<100
Hexachlorobutadiene	<100 ug/kg	TM157		<100	<100	<200	<100	<100	<100
Hexachlorobenzene	<100 ug/kg	TM157		<100	<100	<200	<100	<100	<100
n-Dioctyl phthalate	<100 ug/kg	TM157		<100	<100	<200	<100	<100	<100
Dimethyl phthalate	<100 ug/kg	TM157		<100	<100	<200	<100	<100	<100
Diethyl phthalate	<100 ug/kg	TM157		<100	<100	<200	<100	<100	<100
n-Dibutyl phthalate	<100 ug/kg	TM157		<100	<100	<200	<100	<100	<100
Dibenzofuran	<100 ug/kg	TM157		164	<100	<200	<100	<100	499
Carbazole	<100 ug/kg	TM157		<100	<100	<200	<100	<100	<100
Butylbenzyl phthalate	<100 ug/kg	TM157		<100	<100	<200	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 ug/kg	TM157		<100	<100	1580	<100	582	209
bis(2-Chloroethoxy)methane	<100 ug/kg	TM157		<100	<100	<200	<100	<100	<100
bis(2-Chloroethyl)ether	<100 ug/kg	TM157		<100	<100	<200	<100	<100	<100
Azobenzene	<100 ug/kg	TM157		<100	<100	<200	<100	<100	<100
4-Nitrophenol	<100 ug/kg	TM157		<100	<100	<200	<100	<100	<100
4-Nitroaniline	<100 ug/kg	TM157		<100	<100	<200	<100	<100	<100
4-Methylphenol	<100 ug/kg	TM157		<100	<100	<200	<100	<100	<100
4-Chlorophenylphenylether	<100 ug/kg	TM157		<100	<100	<200	<100	<100	<100
4-Chloroaniline	<100 ug/kg	TM157		<100	<100	<200	<100	<100	<100
4-Chloro-3-methylphenol	<100 ug/kg	TM157		<100	<100	<200	<100	<100	<100
4-Bromophenylphenylether	<100 ug/kg	TM157		<100	<100	<200	<100	<100	<100
3-Nitroaniline	<100 ug/kg	TM157		<100	<100	<200	<100	<100	<100
2-Nitrophenol	<100 ug/kg	TM157		<100	<100	<200	<100	<100	<100
2-Nitroaniline	<100 ug/kg	TM157		<100	<100	<200	<100	<100	<100
2-Methylphenol	<100 ug/kg	TM157		<100	<100	<200	<100	<100	<100
1,2,4-Trichlorobenzene	<100 ug/kg	TM157		<100	<100	<200	<100	<100	<100
2-Chlorophenol	<100 ug/kg	TM157		<100	<100	<200	<100	<100	<100
2,6-Dinitrotoluene	<100 ug/kg	TM157		<100	<100	<200	<100	<100	<100
2,4-Dinitrotoluene	<100 ug/kg	TM157		<100	<100	<200	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DUP 36 N	DUP 36 N	DUP 2 S	DUP 2 S	DUP 22 S	DUP 22 S
			Depth (m)	0.70	1.50	0.40	1.20	0.30	0.80
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	10/08/2011	10/08/2011	10/08/2011	10/08/2011	11/08/2011	11/08/2011
			Date Received	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011
			SDG Ref	110812-144	110812-144	110812-144	110812-144	110812-144	110812-144
			Lab Sample No.(s)	4096389	4096390	4096364	4096365	4096376	4096382
			AGS Reference						
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<200	<100	<100	367
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<200	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<200	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<200	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<200	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<200	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<200	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<200	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	<200	<100	522	9050
Acenaphthylene	<100 µg/kg	TM157		136	<100	<200	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		349	<100	<200	<100	<100	403
Anthracene	<100 µg/kg	TM157		323	<100	<200	<100	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		<100	<100	252	<100	<100	<100
Benzo(b)fluoranthene	<100 µg/kg	TM157		<100	<100	298	<100	<100	<100
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	<100	271	<100	<100	<100
Benzo(a)pyrene	<100 µg/kg	TM157		<100	<100	333	<100	<100	<100
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	<100	249	<100	<100	<100
Chrysene	<100 µg/kg	TM157		<100	<100	426	<100	<100	132
Fluoranthene	<100 µg/kg	TM157		<100	<100	282	<100	<100	158
Fluorene	<100 µg/kg	TM157		819	<100	<200	<100	122	966
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	<100	<200	<100	<100	<100
Phenanthrene	<100 µg/kg	TM157		1250	<100	<200	<100	300	1490
Pyrene	<100 µg/kg	TM157		719	<100	1100	<100	133	181
Naphthalene	<100 µg/kg	TM157		<100	<100	<200	<100	336	3750
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<200	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DUP 22 S	DUP 36 S	DUP 36 S	DUP 1 W	DUP 1 W	DUP 2 W
			Depth (m)	1.80	0.50	1.50	0.30	1.00	0.80
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/08/2011	10/08/2011	10/08/2011	10/08/2011	10/08/2011	10/08/2011
			Date Received	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011
			SDG Ref	110812-144	110812-144	110812-144	110812-144	110812-144	110812-144
			Lab Sample No.(s)	4096383	4096391	4096392	4096357	4096359	4096369
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100	1330
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	310
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	388	125	245
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DUP 22 S	DUP 36 S	DUP 36 S	DUP 1 W	DUP 1 W	DUP 2 W
			Depth (m)	1.80	0.50	1.50	0.30	1.00	0.80
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/08/2011	10/08/2011	10/08/2011	10/08/2011	10/08/2011	10/08/2011
			Date Received	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011
			SDG Ref	110812-144	110812-144	110812-144	110812-144	110812-144	110812-144
			Lab Sample No.(s)	4096383	4096391	4096392	4096357	4096359	4096369
			AGS Reference						
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
2-Methylnaphthalene	<100 µg/kg	TM157		3170	<100	<100	<100	<100	15100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	3080
Anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	973
Benzo(a)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	478
Benzo(b)fluoranthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	333
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	260
Benzo(a)pyrene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	269
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
Chrysene	<100 µg/kg	TM157		<100	<100	<100	232	<100	717
Fluoranthene	<100 µg/kg	TM157		<100	<100	<100	164	<100	760
Fluorene	<100 µg/kg	TM157		150	<100	<100	<100	<100	3450
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
Phenanthrene	<100 µg/kg	TM157		172	<100	<100	225	<100	9740
Pyrene	<100 µg/kg	TM157		<100	<100	<100	230	<100	1490
Naphthalene	<100 µg/kg	TM157		1710	<100	<100	<100	<100	828
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DUP 5 W	DUP 5 W	DUP 41 W	DUP 41 W	DUP 63 W	DUP 63 W
			Depth (m)	0.80	1.50	0.30	1.00	0.10	0.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	10/08/2011	10/08/2011	11/08/2011	11/08/2011	11/08/2011	11/08/2011
			Date Received	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011
			SDG Ref	110812-144	110812-144	110812-144	110812-144	110812-144	110812-144
			Lab Sample No.(s)	4096374	4096375	4096402	4096403	4096405	4096406
			AGS Reference						
Phenol	<100 ug/kg	TM157		<100	<100	<100	<100	<200	<100
Pentachlorophenol	<100 ug/kg	TM157		<100	<100	<100	<100	<200	<100
n-Nitroso-n-dipropylamine	<100 ug/kg	TM157		<100	<100	<100	<100	<200	<100
Nitrobenzene	<100 ug/kg	TM157		<100	<100	<100	<100	<200	<100
Isophorone	<100 ug/kg	TM157		<100	<100	<100	<100	<200	<100
Hexachloroethane	<100 ug/kg	TM157		<100	<100	<100	<100	<200	<100
Hexachlorocyclopentadiene	<100 ug/kg	TM157		<100	<100	<100	<100	<200	<100
Hexachlorobutadiene	<100 ug/kg	TM157		<100	<100	<100	<100	<200	<100
Hexachlorobenzene	<100 ug/kg	TM157		<100	<100	<100	<100	<200	<100
n-Dioctyl phthalate	<100 ug/kg	TM157		<100	<100	<100	<100	<200	<100
Dimethyl phthalate	<100 ug/kg	TM157		<100	<100	<100	<100	<200	<100
Diethyl phthalate	<100 ug/kg	TM157		<100	<100	<100	<100	<200	<100
n-Dibutyl phthalate	<100 ug/kg	TM157		<100	<100	<100	<100	<200	<100
Dibenzofuran	<100 ug/kg	TM157		<100	<100	272	<100	<200	200
Carbazole	<100 ug/kg	TM157		<100	<100	162	<100	<200	<100
Butylbenzyl phthalate	<100 ug/kg	TM157		<100	<100	<100	<100	<200	<100
bis(2-Ethylhexyl) phthalate	<100 ug/kg	TM157		<100	<100	<100	<100	520	155
bis(2-Chloroethoxy)methane	<100 ug/kg	TM157		<100	<100	<100	<100	<200	<100
bis(2-Chloroethyl)ether	<100 ug/kg	TM157		<100	<100	<100	<100	<200	<100
Azobenzene	<100 ug/kg	TM157		<100	<100	<100	<100	<200	<100
4-Nitrophenol	<100 ug/kg	TM157		<100	<100	<100	<100	<200	<100
4-Nitroaniline	<100 ug/kg	TM157		<100	<100	<100	<100	<200	<100
4-Methylphenol	<100 ug/kg	TM157		<100	<100	<100	<100	<200	<100
4-Chlorophenylphenylether	<100 ug/kg	TM157		<100	<100	<100	<100	<200	<100
4-Chloroaniline	<100 ug/kg	TM157		<100	<100	<100	<100	<200	<100
4-Chloro-3-methylphenol	<100 ug/kg	TM157		<100	<100	<100	<100	<200	<100
4-Bromophenylphenylether	<100 ug/kg	TM157		<100	<100	<100	<100	<200	<100
3-Nitroaniline	<100 ug/kg	TM157		<100	<100	<100	<100	<200	<100
2-Nitrophenol	<100 ug/kg	TM157		<100	<100	<100	<100	<200	<100
2-Nitroaniline	<100 ug/kg	TM157		<100	<100	<100	<100	<200	<100
2-Methylphenol	<100 ug/kg	TM157		<100	<100	<100	<100	<200	<100
1,2,4-Trichlorobenzene	<100 ug/kg	TM157		<100	<100	<100	<100	<200	<100
2-Chlorophenol	<100 ug/kg	TM157		<100	<100	<100	<100	<200	<100
2,6-Dinitrotoluene	<100 ug/kg	TM157		<100	<100	<100	<100	<200	<100
2,4-Dinitrotoluene	<100 ug/kg	TM157		<100	<100	<100	<100	<200	<100

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DUP 5 W	DUP 5 W	DUP 41 W	DUP 41 W	DUP 63 W	DUP 63 W
			Depth (m)	0.80	1.50	0.30	1.00	0.10	0.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	10/08/2011	10/08/2011	11/08/2011	11/08/2011	11/08/2011	11/08/2011
			Date Received	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011
			SDG Ref	110812-144	110812-144	110812-144	110812-144	110812-144	110812-144
			Lab Sample No.(s)	4096374	4096375	4096402	4096403	4096405	4096406
			AGS Reference						
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	203	<100	446	754
Acenaphthylene	<100 µg/kg	TM157		<100	<100	396	<100	<200	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	<200	183
Anthracene	<100 µg/kg	TM157		<100	<100	829	<100	<200	<100
Benzo(a)anthracene	<100 µg/kg	TM157		<100	<100	1760	<100	591	<100
Benzo(b)fluoranthene	<100 µg/kg	TM157		<100	<100	1250	<100	586	<100
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	<100	1410	<100	427	<100
Benzo(a)pyrene	<100 µg/kg	TM157		<100	<100	1680	<100	627	<100
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	<100	1030	<100	351	<100
Chrysene	<100 µg/kg	TM157		<100	<100	1820	<100	612	121
Fluoranthene	<100 µg/kg	TM157		<100	<100	4890	<100	872	155
Fluorene	<100 µg/kg	TM157		<100	<100	224	<100	<200	431
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	<100	934	<100	356	<100
Phenanthrene	<100 µg/kg	TM157		<100	<100	3620	<100	681	535
Pyrene	<100 µg/kg	TM157		<100	<100	3900	<100	901	155
Naphthalene	<100 µg/kg	TM157		<100	<100	333	<100	259	657
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	196	<100	<200	<100

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DUP 63 W
			Depth (m)	1.60
			Sample Type	Soil/Solid
			Date Sampled	11/08/2011
			Date Received	12/08/2011
			SDG Ref	110812-144
			Lab Sample No.(s)	4096407
			AGS Reference	
Phenol	<100 ug/kg	TM157		<100
Pentachlorophenol	<100 ug/kg	TM157		<100
n-Nitroso-n-dipropylamine	<100 ug/kg	TM157		<100
Nitrobenzene	<100 ug/kg	TM157		<100
Isophorone	<100 ug/kg	TM157		<100
Hexachloroethane	<100 ug/kg	TM157		<100
Hexachlorocyclopentadiene	<100 ug/kg	TM157		<100
Hexachlorobutadiene	<100 ug/kg	TM157		<100
Hexachlorobenzene	<100 ug/kg	TM157		<100
n-Dioctyl phthalate	<100 ug/kg	TM157		<100
Dimethyl phthalate	<100 ug/kg	TM157		<100
Diethyl phthalate	<100 ug/kg	TM157		<100
n-Dibutyl phthalate	<100 ug/kg	TM157		<100
Dibenzofuran	<100 ug/kg	TM157		<100
Carbazole	<100 ug/kg	TM157		<100
Butylbenzyl phthalate	<100 ug/kg	TM157		<100
bis(2-Ethylhexyl) phthalate	<100 ug/kg	TM157		<100
bis(2-Chloroethoxy)methane	<100 ug/kg	TM157		<100
bis(2-Chloroethyl)ether	<100 ug/kg	TM157		<100
Azobenzene	<100 ug/kg	TM157		<100
4-Nitrophenol	<100 ug/kg	TM157		<100
4-Nitroaniline	<100 ug/kg	TM157		<100
4-Methylphenol	<100 ug/kg	TM157		<100
4-Chlorophenylphenylether	<100 ug/kg	TM157		<100
4-Chloroaniline	<100 ug/kg	TM157		<100
4-Chloro-3-methylphenol	<100 ug/kg	TM157		<100
4-Bromophenylphenylether	<100 ug/kg	TM157		<100
3-Nitroaniline	<100 ug/kg	TM157		<100
2-Nitrophenol	<100 ug/kg	TM157		<100
2-Nitroaniline	<100 ug/kg	TM157		<100
2-Methylphenol	<100 ug/kg	TM157		<100
1,2,4-Trichlorobenzene	<100 ug/kg	TM157		<100
2-Chlorophenol	<100 ug/kg	TM157		<100
2,6-Dinitrotoluene	<100 ug/kg	TM157		<100
2,4-Dinitrotoluene	<100 ug/kg	TM157		<100

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R					
			DUP 63 W					
Depth (m)			1.60					
Sample Type			Soil/Solid					
Date Sampled			11/08/2011					
Date Received			12/08/2011					
SDG Ref			110812-144					
Lab Sample No.(s)			4096407					
AGS Reference								
2,4-Dimethylphenol	<100 µg/kg	TM157	<100					
2,4-Dichlorophenol	<100 µg/kg	TM157	<100					
2,4,6-Trichlorophenol	<100 µg/kg	TM157	<100					
2,4,5-Trichlorophenol	<100 µg/kg	TM157	<100					
1,4-Dichlorobenzene	<100 µg/kg	TM157	<100					
1,3-Dichlorobenzene	<100 µg/kg	TM157	<100					
1,2-Dichlorobenzene	<100 µg/kg	TM157	<100					
2-Chloronaphthalene	<100 µg/kg	TM157	<100					
2-Methylnaphthalene	<100 µg/kg	TM157	2220					
Acenaphthylene	<100 µg/kg	TM157	<100					
Acenaphthene	<100 µg/kg	TM157	<100					
Anthracene	<100 µg/kg	TM157	<100					
Benzo(a)anthracene	<100 µg/kg	TM157	<100					
Benzo(b)fluoranthene	<100 µg/kg	TM157	<100					
Benzo(k)fluoranthene	<100 µg/kg	TM157	<100					
Benzo(a)pyrene	<100 µg/kg	TM157	<100					
Benzo(g,h,i)perylene	<100 µg/kg	TM157	<100					
Chrysene	<100 µg/kg	TM157	<100					
Fluoranthene	<100 µg/kg	TM157	<100					
Fluorene	<100 µg/kg	TM157	<100					
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157	<100					
Phenanthrene	<100 µg/kg	TM157	<100					
Pyrene	<100 µg/kg	TM157	<100					
Naphthalene	<100 µg/kg	TM157	286					
Dibenzo(a,h)anthracene	<100 µg/kg	TM157	<100					

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DUP 75	DUP 75	DUP 75	DUP 76	DUP 76	DUP 77
			Depth (m)	0.50	1.00	1.50	0.50	1.20	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	10/08/2011	10/08/2011	10/08/2011	10/08/2011	10/08/2011	11/08/2011
			Date Received	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011
			SDG Ref	110812-144	110812-144	110812-144	110812-144	110812-144	110812-144
			Lab Sample No.(s)	4096408	4096409	4096410	4096411	4096412	4096413
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		14	8	95	21	25	24
GRO >C5-C12	<44 µg/kg	TM089		1780	237	76.6	5850	24700	1730
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 #	<10 M
Toluene	<2 µg/kg	TM089		<2 M	8.8 M	<2 M	<2 M	<2 #	5.6 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	114 #	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	15.4 M	<6 M	<6 M	546 #	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	8.8 M	4.44 M	<3 M	<3 #	12.3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	24.2	<9	<9	546	12.3
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	33	<24	<24	660	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		11.9	14.3	<10	20.2	620	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		62.6	71.5	11.1	311	3830	180
Aliphatics >C8-C10	<10 µg/kg	TM089		397	42.9	16.7	1750	6080	396
Aliphatics >C10-C12	<10 µg/kg	TM089		624	25.3	17.8	1550	5700	516
Aliphatics >C12-C16	<100 µg/kg	TM173		127000	27600	6520	301000	34000	148000
Aliphatics >C16-C21	<100 µg/kg	TM173		570000	102000	14500	768000	467000	646000
Aliphatics >C21-C35	<100 µg/kg	TM173		4500000	12500000	185000	5580000	5190000	3260000
Aliphatics >C35-C44	<100 µg/kg	TM173		3000000	7210000	93600	2790000	416000	508000
Total Aliphatics >C12-C44	<100 µg/kg	TM173		8200000	19900000	299000	9440000	6110000	4570000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		265	55	17.8	1170	4710	277
Aromatics >EC10-EC12	<10 µg/kg	TM089		416	16.5	11.1	1030	3800	344
Aromatics >EC12-EC16	<100 µg/kg	TM173		94000	46600	5270	175000	64600	61800
Aromatics >EC16-EC21	<100 µg/kg	TM173		448000	131000	7720	590000	479000	419000
Aromatics >EC21-EC35	<100 µg/kg	TM173		4710000	7050000	87500	3380000	3990000	2750000
Aromatics >EC35-EC44	<100 µg/kg	TM173		3480000	5490000	59100	1800000	434000	806000
Aromatics >EC40-EC44	<100 µg/kg	TM173		1250000	1680000	18600	614000	149000	312000
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		8740000	12700000	160000	5950000	4970000	4040000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		16900000	32600000	459000	15400000	11100000	8610000
Total Aliphatics >C5-35	<100 µg/kg	TM173		5200000	12700000	206000	6650000	5710000	4060000
Total Aromatics >C5-35	<100 µg/kg	TM173		5260000	7230000	101000	4150000	4540000	3230000
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		10500000	19900000	306000	10800000	10200000	7290000

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DUP 77	DUP 77	DUP 2 E	DUP 2 E	DUP 5 E	DUP 5 E
			Depth (m)	1.00	1.50	0.20	0.80	0.50	1.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/08/2011	11/08/2011	10/08/2011	10/08/2011	10/08/2011	10/08/2011
			Date Received	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011
			SDG Ref	110812-144	110812-144	110812-144	110812-144	110812-144	110812-144
			Lab Sample No.(s)	4096414	4096415	4096366	4096367	4096370	4096371
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		55	90	17	73	24	36
GRO >C5-C12	<44 µg/kg	TM089		73300	113	8450	32400	508	807
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	<2 M	<2 M	<2 M	3.42 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	9.12 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	3.18 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9	9.12
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		20.2	<10	<10	49.9	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		4020	12.4	213	1560	19.1	23.9
Aliphatics >C8-C10	<10 µg/kg	TM089		26500	17	1880	9280	74.2	148
Aliphatics >C10-C12	<10 µg/kg	TM089		15100	35	3050	9190	212	309
Aliphatics >C12-C16	<100 µg/kg	TM173		324000	16200	826000	93800	10000	26700
Aliphatics >C16-C21	<100 µg/kg	TM173		555000	80700	3320000	254000	75300	382000
Aliphatics >C21-C35	<100 µg/kg	TM173		6170000	389000	3310000	335000	1540000	3630000
Aliphatics >C35-C44	<100 µg/kg	TM173		187000	55300	728000	87000	366000	443000
Total Aliphatics >C12-C44	<100 µg/kg	TM173		7240000	541000	8190000	770000	1990000	4480000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		17600	15.8	1260	6180	56.2	111
Aromatics >EC10-EC12	<10 µg/kg	TM089		10000	23.7	2040	6120	141	205
Aromatics >EC12-EC16	<100 µg/kg	TM173		150000	7880	502000	87800	24800	15000
Aromatics >EC16-EC21	<100 µg/kg	TM173		535000	35700	1550000	254000	161000	181000
Aromatics >EC21-EC35	<100 µg/kg	TM173		4870000	122000	1500000	306000	2390000	1110000
Aromatics >EC35-EC44	<100 µg/kg	TM173		404000	26600	533000	91300	548000	112000
Aromatics >EC40-EC44	<100 µg/kg	TM173		142000	9800	268000	45400	200000	44400
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		5960000	193000	4080000	739000	3130000	1420000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		13300000	734000	12300000	1540000	5120000	5900000
Total Aliphatics >C5-35	<100 µg/kg	TM173		7100000	486000	7460000	704000	1630000	4040000
Total Aromatics >C5-35	<100 µg/kg	TM173		5580000	166000	3550000	660000	2580000	1310000
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		12700000	652000	11000000	1360000	4210000	5350000

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DUP 5 E	DUP 36 E	DUP 36 E	DUP 36 E	DUP 41 E	DUP 41 E
			Depth (m)	1.80	0.30	1.10	3.00	0.30	1.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	10/08/2011	10/08/2011	10/08/2011	10/08/2011	11/08/2011	11/08/2011
			Date Received	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011
			SDG Ref	110812-144	110812-144	110812-144	110812-144	110812-144	110812-144
			Lab Sample No.(s)	4096372	4096416	4096417	4096419	4096399	4096400
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		81	58	48	73	23	79
GRO >C5-C12	<44 µg/kg	TM089		103	2770	5330	24700	<44	90.9
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	64.4 M	<10 #	<10 M
Toluene	<2 µg/kg	TM089		2.28 M	<2 M	<2 M	<2 M	2.46 #	2.36 M
Ethylbenzene	<3 µg/kg	TM089		3.42 M	<3 M	<3 M	<3 M	<3 #	4.72 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 #	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 #	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	64.4	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		<10	<10	10.3	542	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		<10	264	197	12900	<10	17.7
Aliphatics >C8-C10	<10 µg/kg	TM089		18.2	383	610	5050	<10	14.2
Aliphatics >C10-C12	<10 µg/kg	TM089		30.8	1120	2460	1670	<10	18.9
Aliphatics >C12-C16	<100 µg/kg	TM173		6540	49000	266000	8820	12200	256
Aliphatics >C16-C21	<100 µg/kg	TM173		42800	595000	625000	16500	64700	227
Aliphatics >C21-C35	<100 µg/kg	TM173		826000	10500000	1020000	29600	232000	4050
Aliphatics >C35-C44	<100 µg/kg	TM173		200000	666000	217000	5780	100000	405
Total Aliphatics >C12-C44	<100 µg/kg	TM173		1080000	11800000	2130000	60600	409000	4940
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	64.4	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		22.8	255	406	3370	<10	20.1
Aromatics >EC10-EC12	<10 µg/kg	TM089		20.5	745	1640	1120	<10	13
Aromatics >EC12-EC16	<100 µg/kg	TM173		7200	17700	78400	7370	11800	971
Aromatics >EC16-EC21	<100 µg/kg	TM173		29500	50900	257000	11000	33600	2170
Aromatics >EC21-EC35	<100 µg/kg	TM173		314000	391000	415000	22700	209000	22200
Aromatics >EC35-EC44	<100 µg/kg	TM173		85200	167000	46400	5330	132000	2410
Aromatics >EC40-EC44	<100 µg/kg	TM173		35300	55500	15300	2440	54800	602
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		436000	626000	797000	46400	386000	27700
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		1510000	12400000	2930000	132000	795000	32800
Total Aliphatics >C5-35	<100 µg/kg	TM173		875000	11100000	1910000	75000	309000	4590
Total Aromatics >C5-35	<100 µg/kg	TM173		351000	461000	752000	45700	254000	25400
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		1230000	11600000	2670000	121000	563000	30000

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DUP 41 E	DUP 1 N	DUP 1 N	DUP 2 N	DUP 2 N	DUP 33 N
			Depth (m)	2.30	1.30	2.30	0.60	1.50	0.70
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/08/2011	10/08/2011	10/08/2011	10/08/2011	10/08/2011	10/08/2011
			Date Received	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011
			SDG Ref	110812-144	110812-144	110812-144	110812-144	110812-144	110812-144
			Lab Sample No.(s)	4096401	4096355	4096356	4096362	4096363	4096386
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		83	82	77	21	41	84
GRO >C5-C12	<44 µg/kg	TM089		<44	3300	101	4490	5990	7860
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 #	<5 #	<5 #	<5 #	<5 #	12.3 #
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	2.34 M	<2 M	<2 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		<10	12.9	<10	<10	20.4	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		<10	193	11.1	185	347	259
Aliphatics >C8-C10	<10 µg/kg	TM089		<10	469	16.7	869	1120	1240
Aliphatics >C10-C12	<10 µg/kg	TM089		<10	1380	32.2	1710	2250	3300
Aliphatics >C12-C16	<100 µg/kg	TM173		6230	16900	5810	240000	126000	34900
Aliphatics >C16-C21	<100 µg/kg	TM173		22200	52300	8900	1300000	572000	53800
Aliphatics >C21-C35	<100 µg/kg	TM173		87900	514000	482000	6260000	3110000	118000
Aliphatics >C35-C44	<100 µg/kg	TM173		24900	114000	89300	954000	605000	56700
Total Aliphatics >C12-C44	<100 µg/kg	TM173		141000	697000	586000	8750000	4420000	263000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		<10	312	13.3	580	745	830
Aromatics >EC10-EC12	<10 µg/kg	TM089		<10	922	21.1	1140	1500	2200
Aromatics >EC12-EC16	<100 µg/kg	TM173		3260	8750	4500	131000	63100	16800
Aromatics >EC16-EC21	<100 µg/kg	TM173		10400	35500	8110	734000	259000	31700
Aromatics >EC21-EC35	<100 µg/kg	TM173		114000	403000	298000	2410000	846000	65700
Aromatics >EC35-EC44	<100 µg/kg	TM173		52800	90500	60000	505000	216000	33400
Aromatics >EC40-EC44	<100 µg/kg	TM173		18800	23500	12400	177000	69600	14100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		181000	538000	371000	3780000	1380000	148000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		322000	1240000	957000	12500000	5810000	419000
Total Aliphatics >C5-35	<100 µg/kg	TM173		116000	585000	497000	7800000	3820000	211000
Total Aromatics >C5-35	<100 µg/kg	TM173		128000	448000	311000	3270000	1170000	117000
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		244000	1030000	808000	11100000	4990000	329000

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DUP 36 N	DUP 36 N	DUP 2 S	DUP 2 S	DUP 22 S	DUP 22 S
			Depth (m)	0.70	1.50	0.40	1.20	0.30	0.80
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	10/08/2011	10/08/2011	10/08/2011	10/08/2011	11/08/2011	11/08/2011
			Date Received	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011
			SDG Ref	110812-144	110812-144	110812-144	110812-144	110812-144	110812-144
			Lab Sample No.(s)	4096389	4096390	4096364	4096365	4096376	4096382
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		54	40	25	123	34	101
GRO >C5-C12	<44 µg/kg	TM089		3540	1440	2180	<44	16500	901000
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 #	<5 #	<5 #	<5 #	<5 #	<100 #
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<200 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	<2 M	<2 M	7.84 M	<40 M
Ethylbenzene	<3 µg/kg	TM089		3.33 M	5.44 M	<3 M	<3 M	<3 M	10500 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<120 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 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	10500
Aliphatics >C5-C6	<10 µg/kg	TM089		<10	<10	<10	<10	<10	294
Aliphatics >C6-C8	<10 µg/kg	TM089		16.7	193	16.1	<10	226	41300
Aliphatics >C8-C10	<10 µg/kg	TM089		171	245	186	<10	3140	201000
Aliphatics >C10-C12	<10 µg/kg	TM089		1940	495	1110	<10	6610	308000
Aliphatics >C12-C16	<100 µg/kg	TM173		117000	6190	76400	7860	178000	158000
Aliphatics >C16-C21	<100 µg/kg	TM173		86800	16400	630000	4440	351000	285000
Aliphatics >C21-C35	<100 µg/kg	TM173		939000	366000	2120000	10300	498000	297000
Aliphatics >C35-C44	<100 µg/kg	TM173		555000	206000	338000	1820	239000	86100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		1700000	594000	3170000	24400	1270000	826000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<200
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<200
Aromatics >EC8-EC10	<10 µg/kg	TM089		119	169	126	<10	2090	145000
Aromatics >EC10-EC12	<10 µg/kg	TM089		1290	331	740	<10	4400	205000
Aromatics >EC12-EC16	<100 µg/kg	TM173		145000	6080	26500	5520	95200	155000
Aromatics >EC16-EC21	<100 µg/kg	TM173		164000	11000	291000	3430	246000	164000
Aromatics >EC21-EC35	<100 µg/kg	TM173		428000	93500	716000	8710	311000	115000
Aromatics >EC35-EC44	<100 µg/kg	TM173		265000	69300	152000	2630	148000	36100
Aromatics >EC40-EC44	<100 µg/kg	TM173		97500	24600	65700	564	61300	14600
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		1000000	180000	1190000	20300	801000	470000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		2710000	775000	4350000	44700	2080000	2200000
Total Aliphatics >C5-35	<100 µg/kg	TM173		1150000	389000	2830000	22600	1040000	1290000
Total Aromatics >C5-35	<100 µg/kg	TM173		739000	111000	1030000	17700	659000	784000
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		1880000	500000	3860000	40300	1700000	2070000

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DUP 22 S	DUP 36 S	DUP 36 S	DUP 36 S	DUP 1 W	DUP 1 W
			Depth (m)	1.80	0.50	1.50	2.50	0.30	1.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/08/2011	10/08/2011	10/08/2011	10/08/2011	10/08/2011	10/08/2011
			Date Received	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011
			SDG Ref	110812-144	110812-144	110812-144	110812-144	110812-144	110812-144
			Lab Sample No.(s)	4096383	4096391	4096392	4096393	4096357	4096359
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		115	104	129	97	56	115
GRO >C5-C12	<44 µg/kg	TM089		856000	<44	343000	9890	1570	38700
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<100 #	<5 #	<100 #	<5 #	<5 #	<5 #
Benzene	<10 µg/kg	TM089		<200 M	<10 M	<200 M	46.6 M	<10 M	41 M
Toluene	<2 µg/kg	TM089		<40 M	<2 M	<40 M	<2 M	3.36 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<60 M	<3 M	<60 M	<3 M	8.96 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<120 M	<6 M	<120 M	<6 M	13.4 M	<6 M
o-Xylene	<3 µg/kg	TM089		<60 M	<3 M	<60 M	<3 M	7.84 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	21.2	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	46.6	33.5	41
Aliphatics >C5-C6	<10 µg/kg	TM089		<200	<10	3380	34.4	<10	133
Aliphatics >C6-C8	<10 µg/kg	TM089		14600	<10	227000	8600	48.2	3090
Aliphatics >C8-C10	<10 µg/kg	TM089		192000	<10	52000	334	200	8140
Aliphatics >C10-C12	<10 µg/kg	TM089		313000	<10	15600	393	687	13100
Aliphatics >C12-C16	<100 µg/kg	TM173		72600	5970	21900	6500	14400	47100
Aliphatics >C16-C21	<100 µg/kg	TM173		20000	17400	50500	18400	64300	39900
Aliphatics >C21-C35	<100 µg/kg	TM173		130000	103000	125000	49300	976000	26700
Aliphatics >C35-C44	<100 µg/kg	TM173		15400	57800	26700	6550	474000	3380
Total Aliphatics >C12-C44	<100 µg/kg	TM173		238000	184000	224000	80800	1530000	117000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<200	<10	<200	46.6	<10	41
Aromatics >EC7-EC8	<10 µg/kg	TM089		<200	<10	<200	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		128000	<10	34700	223	164	5420
Aromatics >EC10-EC12	<10 µg/kg	TM089		209000	<10	10400	262	458	8760
Aromatics >EC12-EC16	<100 µg/kg	TM173		52500	6560	10800	4290	12100	14100
Aromatics >EC16-EC21	<100 µg/kg	TM173		15300	15200	22900	7860	67000	15700
Aromatics >EC21-EC35	<100 µg/kg	TM173		29600	96800	65000	17800	749000	23700
Aromatics >EC35-EC44	<100 µg/kg	TM173		8020	66400	15800	3070	491000	4950
Aromatics >EC40-EC44	<100 µg/kg	TM173		2490	22900	4760	1260	159000	1140
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		105000	185000	115000	33000	1320000	58500
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		1200000	369000	682000	124000	2850000	214000
Total Aliphatics >C5-35	<100 µg/kg	TM173		742000	126000	495000	83600	1060000	138000
Total Aromatics >C5-35	<100 µg/kg	TM173		434000	118000	144000	30500	829000	67700
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		1180000	245000	639000	114000	1880000	206000

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DUP 2 W	DUP 5 W	DUP 5 W	DUP 41 W	DUP 41 W	DUP 63 W
			Depth (m)	0.80	0.80	1.50	0.30	1.00	0.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	10/08/2011	10/08/2011	10/08/2011	11/08/2011	11/08/2011	11/08/2011
			Date Received	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011
			SDG Ref	110812-144	110812-144	110812-144	110812-144	110812-144	110812-144
			Lab Sample No.(s)	4096369	4096374	4096375	4096402	4096403	4096405
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		57	30	20	22	103	50
GRO >C5-C12	<44 µg/kg	TM089		5730	467	2500	<44	76.7	7540
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	2.3 M	3.36 M	<2 M	7.7 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	4.48 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		14	10.4	10.4	<10	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		259	35.4	54.1	<10	<10	69.3
Aliphatics >C8-C10	<10 µg/kg	TM089		827	96.8	342	<10	<10	1000
Aliphatics >C10-C12	<10 µg/kg	TM089		2450	155	1120	<10	31.9	3470
Aliphatics >C12-C16	<100 µg/kg	TM173		126000	21100	6800	6450	845	118000
Aliphatics >C16-C21	<100 µg/kg	TM173		432000	528000	19300	9940	2620	285000
Aliphatics >C21-C35	<100 µg/kg	TM173		423000	4020000	511000	57200	24800	434000
Aliphatics >C35-C44	<100 µg/kg	TM173		97100	949000	177000	19500	2880	102000
Total Aliphatics >C12-C44	<100 µg/kg	TM173		1080000	5520000	714000	93000	31200	940000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		552	64.5	228	10.1	<10	668
Aromatics >EC10-EC12	<10 µg/kg	TM089		1630	103	745	<10	21.2	2310
Aromatics >EC12-EC16	<100 µg/kg	TM173		200000	5850	4070	5690	6330	45500
Aromatics >EC16-EC21	<100 µg/kg	TM173		377000	132000	8590	8000	24600	163000
Aromatics >EC21-EC35	<100 µg/kg	TM173		287000	1030000	160000	35100	35400	248000
Aromatics >EC35-EC44	<100 µg/kg	TM173		94500	229000	57100	13100	4000	79600
Aromatics >EC40-EC44	<100 µg/kg	TM173		40800	81900	24100	4130	881	31800
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		959000	1390000	229000	61900	70400	536000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		2040000	6910000	946000	155000	102000	1480000
Total Aliphatics >C5-35	<100 µg/kg	TM173		985000	4570000	539000	73600	28300	842000
Total Aromatics >C5-35	<100 µg/kg	TM173		867000	1160000	173000	48800	66400	459000
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		1850000	5730000	712000	122000	94800	1300000

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DUP 63 W	DUP 63 W	SP 38 001	SP 38 003		
			Depth (m)	0.60	1.60	.	.		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	11/08/2011	11/08/2011	09/08/2011	09/08/2011		
			Date Received	12/08/2011	12/08/2011	12/08/2011	12/08/2011		
			SDG Ref	110812-144	110812-144	110812-144	110812-144		
			Lab Sample No.(s)	4096406	4096407	4096395	4096397		
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		51	110	51	67		
GRO >C5-C12	<44 µg/kg	TM089		62000	318000	97	<44		
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 #	<50 #	<5 #	<5 #		
Benzene	<10 µg/kg	TM089		<10 M	<100 M	<10 #	<10 #		
Toluene	<2 µg/kg	TM089		<2 M	<20 M	<2 #	<2 #		
Ethylbenzene	<3 µg/kg	TM089		<3 M	<30 M	<3 #	<3 #		
m,p-Xylene	<6 µg/kg	TM089		<6 M	<60 M	<6 #	<6 #		
o-Xylene	<3 µg/kg	TM089		<3 M	<30 M	<3 #	<3 #		
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9		
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	<24		
Aliphatics >C5-C6	<10 µg/kg	TM089		20.9	<100	<10	<10		
Aliphatics >C6-C8	<10 µg/kg	TM089		1940	5720	<10	<10		
Aliphatics >C8-C10	<10 µg/kg	TM089		16100	55000	10.7	<10		
Aliphatics >C10-C12	<10 µg/kg	TM089		19900	132000	38.4	<10		
Aliphatics >C12-C16	<100 µg/kg	TM173		126000	74400	6060	45400		
Aliphatics >C16-C21	<100 µg/kg	TM173		170000	22400	14800	42500		
Aliphatics >C21-C35	<100 µg/kg	TM173		139000	30600	117000	150000		
Aliphatics >C35-C44	<100 µg/kg	TM173		46500	9340	19800	38100		
Total Aliphatics >C12-C44	<100 µg/kg	TM173		482000	137000	158000	275000		
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<100	<10	<10		
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<100	<10	<10		
Aromatics >EC8-EC10	<10 µg/kg	TM089		10700	36600	10.7	<10		
Aromatics >EC10-EC12	<10 µg/kg	TM089		13300	88300	25.6	<10		
Aromatics >EC12-EC16	<100 µg/kg	TM173		95600	47400	3140	6320		
Aromatics >EC16-EC21	<100 µg/kg	TM173		109000	17600	6140	9960		
Aromatics >EC21-EC35	<100 µg/kg	TM173		76900	17600	47900	58200		
Aromatics >EC35-EC44	<100 µg/kg	TM173		30600	6080	25400	27100		
Aromatics >EC40-EC44	<100 µg/kg	TM173		10800	1730	10400	10400		
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		312000	88700	82600	102000		
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		857000	543000	241000	377000		
Total Aliphatics >C5-35	<100 µg/kg	TM173		474000	320000	138000	237000		
Total Aromatics >C5-35	<100 µg/kg	TM173		306000	208000	57200	74500		
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		780000	528000	195000	312000		

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DUP 75	DUP 75	DUP 75	DUP 76	DUP 76	DUP 77
			Depth (m)	0.50	1.00	1.50	0.50	1.20	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	10/08/2011	10/08/2011	10/08/2011	10/08/2011	10/08/2011	11/08/2011
			Date Received	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011
			SDG Ref	110812-144	110812-144	110812-144	110812-144	110812-144	110812-144
			Lab Sample No.(s)	4096408	4096409	4096410	4096411	4096412	4096413
			AGS Reference						
Dibromofluoromethane**	%	TM116		105	112	102	104	7.66	83.2
Toluene-d8**	%	TM116		95.7	89.5	102	95.6	77.9	72.2
4-Bromofluorobenzene**	%	TM116		124	148	126	122	171	188
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<80 M	<4 M	<80 M	<4 #	<4 M
Chloromethane	<7 µg/kg	TM116		<140 #	<140 #	<7 #	<140 #	<7 #	<7 #
Vinyl Chloride	<10 µg/kg	TM116		<200 #	<200 #	<10 #	<200 #	<10 #	<10 #
Bromomethane	<13 µg/kg	TM116		<260 M	<260 M	<13 M	<260 M	<13 #	<13 M
Chloroethane	<14 µg/kg	TM116		<280 M	<280 M	<14 M	<280 M	<14 #	<14 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<120 M	<6 M	<120 M	<6 #	<6 M
1.1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<10 #	<200 #	<10 #	<10 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<140 M	<7 M	<140 M	<7 #	42.5 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #	<10 #	<200 #	<10 #	11.3 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<220 M	<11 M	<220 M	<11 #	<11 M
trans-1-2-Dichloroethene	<11 µg/kg	TM116		<220 M	<220 M	<11 M	<220 M	<11 #	<11 M
1.1-Dichloroethane	<8 µg/kg	TM116		<160 M	<160 M	<8 M	<160 M	<8 #	<8 M
cis-1-2-Dichloroethene	<5 µg/kg	TM116		<100 M	<100 M	<5 M	<100 M	<5 #	<5 M
2.2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<12 M	<240 M	<12 #	<12 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<280 M	<14 M	<280 M	<14 #	<14 M
Chloroform	<8 µg/kg	TM116		<160 M	<160 M	<8 M	<160 M	<8 #	<8 M
1.1.1-Trichloroethane	<7 µg/kg	TM116		<140 M	<140 M	<7 M	<140 M	<7 #	<7 M
1.1-Dichloropropene	<11 µg/kg	TM116		<220 M	<220 M	<11 M	<220 M	<11 #	<11 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<280 M	<14 M	<280 M	<14 #	<14 M
1.2-Dichloroethane	<5 µg/kg	TM116		<100 M	<100 M	<5 M	<100 M	<5 #	<5 M
Benzene	<9 µg/kg	TM116		<180 M	<180 M	<9 M	<180 M	<9 #	<9 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<180 M	<9 M	<180 M	<9 #	<9 M
1.2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<12 M	<240 M	<12 #	<12 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<180 M	<9 M	<180 M	<9 #	<9 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<140 M	<7 M	<140 M	<7 #	<7 M
cis-1-3-Dichloropropene	<14 µg/kg	TM116		<280 M	<280 M	<14 M	<280 M	<14 #	<14 M
Toluene	<5 µg/kg	TM116		<100 M	159 M	<5 M	<100 M	<5 #	14.4 M
trans-1-3-Dichloropropene	<14 µg/kg	TM116		<280	<280	<14	<280	<14	<14
1.1.2-Trichloroethane	<10 µg/kg	TM116		<200 M	<200 M	<10 M	<200 M	<10 #	<10 M
1.3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<7 #	<140 #	<7 #	<7 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<100 M	<5 M	<100 M	<5 #	<5 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<260 M	<13 M	<260 M	<13 #	<13 M

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DUP 75	DUP 75	DUP 75	DUP 76	DUP 76	DUP 77
			Depth (m)	0.50	1.00	1.50	0.50	1.20	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	10/08/2011	10/08/2011	10/08/2011	10/08/2011	10/08/2011	11/08/2011
			Date Received	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011
			SDG Ref	110812-144	110812-144	110812-144	110812-144	110812-144	110812-144
			Lab Sample No.(s)	4096408	4096409	4096410	4096411	4096412	4096413
			AGS Reference						
1.2-Dibromoethane	<12 µg/kg	TM116		<240 M	<240 M	<12 M	<240 M	<12 #	<12 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<5 M	<100 M	<5 #	<5 M
1.1.1.2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<200 M	<10 M	<200 M	<10 #	<10 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	146 M	<4 M	102 M	216 #	23.3 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	328 #	<14 #	<280 #	1020 #	28.8 #
o-Xylene	<10 µg/kg	TM116		<200 M	<200 M	<10 M	<200 M	415 #	45.2 M
Styrene	<10 µg/kg	TM116		<200 M	<200 M	<10 M	<200 M	<10 #	<10 M
Bromoform	<10 µg/kg	TM116		<200 M	<200 M	<10 M	<200 M	<10 #	<10 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<100 M	<5 M	<100 M	280 #	<5 M
1.1.2.2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<10 #	<200 #	<10 #	<10 #
1.2.3-Trichloropropane	<17 µg/kg	TM116		<340 M	<340 M	<17 M	<340 M	<17 #	<17 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<200 M	<10 M	<200 M	<10 #	<10 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<220 M	<11 M	<220 M	542 #	<11 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<180 M	<9 M	<180 M	<9 #	<9 M
1.3.5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<8 #	428 #	1500 #	54.3 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<240 M	<12 M	<240 M	<12 #	<12 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<12 #	<240 #	<12 #	<12 #
1.2.4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<180 #	<9 #	825 #	21200 #	<9 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<10 M	<200 M	506 #	<10 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<220 M	<11 M	<220 M	764 #	<11 M
1.3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<6 M	<120 M	<6 #	<6 M
1.4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<5 M	<100 M	<5 #	<5 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<10 M	<200 M	<10 #	<10 M
1.2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<240 M	<12 M	<240 M	<12 #	<12 M
1.2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<280 M	<14 M	<280 M	<14 #	<14 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<15	<300	<15	<15
1.2.4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<6 #	<120 #	<6 #	<6 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<12	<240	<12	<12
Naphthalene	<13 µg/kg	TM116		<260 M	<260 M	<13 M	<260 M	1340 #	<13 M
1.2.3-Trichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<6 M	<120 M	<6 #	<6 M

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DUP 77	DUP 77	DUP 2 E	DUP 2 E	DUP 5 E	DUP 5 E
			Depth (m)	1.00	1.50	0.20	0.80	0.50	1.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/08/2011	11/08/2011	10/08/2011	10/08/2011	10/08/2011	10/08/2011
			Date Received	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011
			SDG Ref	110812-144	110812-144	110812-144	110812-144	110812-144	110812-144
			Lab Sample No.(s)	4096414	4096415	4096366	4096367	4096370	4096371
			AGS Reference						
Dibromofluoromethane**	%	TM116		71.1	97.6	101	91.9	84.2	104
Toluene-d8**	%	TM116		82.3	99.4	81.7	94	68.8	97.4
4-Bromofluorobenzene**	%	TM116		152	117	147	145	183	118
Dichlorodifluoromethane	<4 µg/kg	TM116		<8 M	<4 M	<4 M	<4 M	<4 M	<80 M
Chloromethane	<7 µg/kg	TM116		<14 #	<7 #	<7 #	<7 #	<7 #	<140 #
Vinyl Chloride	<10 µg/kg	TM116		<20 #	<10 #	<10 #	<10 #	<10 #	<200 #
Bromomethane	<13 µg/kg	TM116		<26 M	<13 M	<13 M	<13 M	<13 M	<260 M
Chloroethane	<14 µg/kg	TM116		<28 M	<14 M	<14 M	<14 M	<14 M	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116		<12 M	<6 M	<6 M	<6 M	<6 M	<120 M
1.1-Dichloroethene	<10 µg/kg	TM116		<20 #	<10 #	<10 #	<10 #	<10 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		23.4 M	<7 M	37.4 M	94.6 M	44.4 M	<140 M
Dichloromethane	<10 µg/kg	TM116		<20 #	<10 #	<10 #	<10 #	<10 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<22 M	<11 M	<11 M	<11 M	<11 M	<220 M
trans-1-2-Dichloroethene	<11 µg/kg	TM116		<22 M	<11 M	<11 M	<11 M	<11 M	<220 M
1.1-Dichloroethane	<8 µg/kg	TM116		<16 M	<8 M	<8 M	<8 M	<8 M	<160 M
cis-1-2-Dichloroethene	<5 µg/kg	TM116		<10 M	<5 M	<5 M	<5 M	<5 M	<100 M
2.2-Dichloropropane	<12 µg/kg	TM116		<24 M	<12 M	<12 M	<12 M	<12 M	<240 M
Bromochloromethane	<14 µg/kg	TM116		<28 M	<14 M	<14 M	<14 M	<14 M	<280 M
Chloroform	<8 µg/kg	TM116		<16 M	<8 M	<8 M	<8 M	<8 M	<160 M
1.1.1-Trichloroethane	<7 µg/kg	TM116		<14 M	<7 M	<7 M	<7 M	<7 M	<140 M
1.1-Dichloropropene	<11 µg/kg	TM116		<22 M	<11 M	<11 M	<11 M	<11 M	<220 M
Carbontetrachloride	<14 µg/kg	TM116		<28 M	<14 M	<14 M	<14 M	<14 M	<280 M
1.2-Dichloroethane	<5 µg/kg	TM116		<10 M	<5 M	<5 M	<5 M	43.2 M	<100 M
Benzene	<9 µg/kg	TM116		<18 M	<9 M	<9 M	<9 M	<9 M	<180 M
Trichloroethene	<9 µg/kg	TM116		<18 M	<9 M	<9 M	<9 M	<9 M	<180 M
1.2-Dichloropropane	<12 µg/kg	TM116		<24 M	<12 M	<12 M	<12 M	<12 M	<240 M
Dibromomethane	<9 µg/kg	TM116		<18 M	<9 M	<9 M	<9 M	<9 M	<180 M
Bromodichloromethane	<7 µg/kg	TM116		<14 M	<7 M	<7 M	<7 M	<7 M	<140 M
cis-1-3-Dichloropropene	<14 µg/kg	TM116		<28 M	<14 M	<14 M	<14 M	<14 M	<280 M
Toluene	<5 µg/kg	TM116		<10 M	<5 M	<5 M	12.4 M	<5 M	<100 M
trans-1-3-Dichloropropene	<14 µg/kg	TM116		<28	<14	<14	<14	<14	<280
1.1.2-Trichloroethane	<10 µg/kg	TM116		<20 M	<10 M	<10 M	<10 M	<10 M	<200 M
1.3-Dichloropropane	<7 µg/kg	TM116		<14 #	<7 #	<7 #	<7 #	<7 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<10 M	<5 M	<5 M	<5 M	<5 M	<100 M
Dibromochloromethane	<13 µg/kg	TM116		<26 M	<13 M	<13 M	<13 M	<13 M	<260 M

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DUP 77	DUP 77	DUP 2 E	DUP 2 E	DUP 5 E	DUP 5 E
			Depth (m)	1.00	1.50	0.20	0.80	0.50	1.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/08/2011	11/08/2011	10/08/2011	10/08/2011	10/08/2011	10/08/2011
			Date Received	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011
			SDG Ref	110812-144	110812-144	110812-144	110812-144	110812-144	110812-144
			Lab Sample No.(s)	4096414	4096415	4096366	4096367	4096370	4096371
			AGS Reference						
1.2-Dibromoethane	<12 µg/kg	TM116		<24 M	<12 M	<12 M	<12 M	<12 M	<240 M
Chlorobenzene	<5 µg/kg	TM116		<10 M	<5 M	<5 M	<5 M	<5 M	<100 M
1.1.1.2-Tetrachloroethane	<10 µg/kg	TM116		<20 M	<10 M	<10 M	<10 M	<10 M	<200 M
Ethylbenzene	<4 µg/kg	TM116		<8 M	<4 M	<4 M	49.7 M	<4 M	<80 M
p/m-Xylene	<14 µg/kg	TM116		<28 #	<14 #	<14 #	68.4 #	<14 #	<280 #
o-Xylene	<10 µg/kg	TM116		<20 M	<10 M	161 M	87.4 M	<10 M	<200 M
Styrene	<10 µg/kg	TM116		<20 M	<10 M	<10 M	<10 M	<10 M	<200 M
Bromoform	<10 µg/kg	TM116		<20 M	<10 M	<10 M	<10 M	<10 M	<200 M
Isopropylbenzene	<5 µg/kg	TM116		<10 M	<5 M	<5 M	<5 M	<5 M	<100 M
1.1.2.2-Tetrachloroethane	<10 µg/kg	TM116		<20 #	<10 #	<10 #	<10 #	<10 #	<200 #
1.2.3-Trichloropropane	<17 µg/kg	TM116		<34 M	<17 M	<17 M	<17 M	<17 M	<340 M
Bromobenzene	<10 µg/kg	TM116		<20 M	<10 M	<10 M	<10 M	<10 M	<200 M
Propylbenzene	<11 µg/kg	TM116		1890 M	<11 M	<11 M	92.3 M	<11 M	<220 M
2-Chlorotoluene	<9 µg/kg	TM116		<18 M	<9 M	<9 M	<9 M	<9 M	<180 M
1.3.5-Trimethylbenzene	<8 µg/kg	TM116		2900 #	<8 #	232 #	<8 #	<8 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<24 M	<12 M	<12 M	<12 M	<12 M	<240 M
tert-Butylbenzene	<12 µg/kg	TM116		<24 #	<12 #	<12 #	<12 #	<12 #	<240 #
1.2.4-Trimethylbenzene	<9 µg/kg	TM116		21500 #	<9 #	<9 #	461 #	<9 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		3790 M	<10 M	<10 M	<10 M	<10 M	<200 M
4-Isopropyltoluene	<11 µg/kg	TM116		4370 M	<11 M	<11 M	<11 M	<11 M	<220 M
1.3-Dichlorobenzene	<6 µg/kg	TM116		<12 M	<6 M	<6 M	<6 M	<6 M	<120 M
1.4-Dichlorobenzene	<5 µg/kg	TM116		<10 M	<5 M	<5 M	<5 M	<5 M	<100 M
n-Butylbenzene	<10 µg/kg	TM116		4640 M	<10 M	<10 M	<10 M	<10 M	<200 M
1.2-Dichlorobenzene	<12 µg/kg	TM116		<24 M	<12 M	<12 M	<12 M	<12 M	<240 M
1.2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<28 M	<14 M	<14 M	<14 M	<14 M	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<30	<15	<15	<15	<15	<300
1.2.4-Trichlorobenzene	<6 µg/kg	TM116		<12 #	<6 #	<6 #	<6 #	<6 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<24	<12	<12	<12	<12	<240
Naphthalene	<13 µg/kg	TM116		2250 M	<13 M	<13 M	<13 M	<13 M	<260 M
1.2.3-Trichlorobenzene	<6 µg/kg	TM116		<12 M	<6 M	<6 M	<6 M	<6 M	<120 M

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DUP 5 E	DUP 36 E	DUP 36 E	DUP 36 E	DUP 41 E	DUP 41 E
			Depth (m)	1.80	0.30	1.10	3.00	0.30	1.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	10/08/2011	10/08/2011	10/08/2011	10/08/2011	11/08/2011	11/08/2011
			Date Received	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011
			SDG Ref	110812-144	110812-144	110812-144	110812-144	110812-144	110812-144
			Lab Sample No.(s)	4096372	4096416	4096417	4096419	4096399	4096400
			AGS Reference						
Dibromofluoromethane**	%	TM116		92.5	98.7	109	95.9	103	101
Toluene-d8**	%	TM116		98.9	84.8	77.9	101	86.9	96.7
4-Bromofluorobenzene**	%	TM116		127	153	176	123	151	126
Dichlorodifluoromethane	<4 µg/kg	TM116		<4 M	<4 M	<4 M	<4 M	<4 #	<4 M
Chloromethane	<7 µg/kg	TM116		<7 #	<7 #	<7 #	<7 #	<7 #	<7 #
Vinyl Chloride	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Bromomethane	<13 µg/kg	TM116		<13 M	<13 M	<13 M	<13 M	<13 #	<13 M
Chloroethane	<14 µg/kg	TM116		<14 M	18.9 M	<14 M	<14 M	<14 #	<14 M
Trichlorofluorormethane	<6 µg/kg	TM116		<6 M	<6 M	<6 M	<6 M	<6 #	<6 M
1.1-Dichloroethene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Carbon Disulphide	<7 µg/kg	TM116		<7 M	24.2 M	74.5 M	<7 M	<7 #	<7 M
Dichloromethane	<10 µg/kg	TM116		12.9 #	<10 #	<10 #	<10 #	40.6 #	<10 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M	<11 #	<11 M
trans-1-2-Dichloroethene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M	<11 #	<11 M
1.1-Dichloroethane	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<8 M	<8 #	<8 M
cis-1-2-Dichloroethene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 #	<5 M
2.2-Dichloropropane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 #	<12 M
Bromochloromethane	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 #	<14 M
Chloroform	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<8 M	<8 #	<8 M
1.1.1-Trichloroethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	<7 #	<7 M
1.1-Dichloropropene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M	<11 #	<11 M
Carbontetrachloride	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 #	<14 M
1.2-Dichloroethane	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 #	<5 M
Benzene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M	12.7 #	<9 M
Trichloroethene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M	<9 #	<9 M
1.2-Dichloropropane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 #	<12 M
Dibromomethane	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M	<9 #	<9 M
Bromodichloromethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	<7 #	<7 M
cis-1-3-Dichloropropene	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 #	<14 M
Toluene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	13.5 #	<5 M
trans-1-3-Dichloropropene	<14 µg/kg	TM116		<14	<14	<14	<14	<14	<14
1.1.2-Trichloroethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 #	<10 M
1.3-Dichloropropane	<7 µg/kg	TM116		<7 #	<7 #	<7 #	<7 #	<7 #	<7 #
Tetrachloroethene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 #	<5 M
Dibromochloromethane	<13 µg/kg	TM116		<13 M	<13 M	<13 M	<13 M	<13 #	<13 M

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DUP 5 E	DUP 36 E	DUP 36 E	DUP 36 E	DUP 41 E	DUP 41 E
			Depth (m)	1.80	0.30	1.10	3.00	0.30	1.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	10/08/2011	10/08/2011	10/08/2011	10/08/2011	11/08/2011	11/08/2011
			Date Received	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011
			SDG Ref	110812-144	110812-144	110812-144	110812-144	110812-144	110812-144
			Lab Sample No.(s)	4096372	4096416	4096417	4096419	4096399	4096400
			AGS Reference						
1.2-Dibromoethane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 #	<12 M
Chlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 #	<5 M
1.1.1.2-Tetrachloroethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 #	<10 M
Ethylbenzene	<4 µg/kg	TM116		7.52 M	<4 M	<4 M	<4 M	<4 #	6.15 M
p/m-Xylene	<14 µg/kg	TM116		<14 #	<14 #	<14 #	<14 #	20.9 #	<14 #
o-Xylene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 #	<10 M
Styrene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 #	<10 M
Bromoform	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 #	<10 M
Isopropylbenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 #	<5 M
1.1.2.2-Tetrachloroethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
1.2.3-Trichloropropane	<17 µg/kg	TM116		<17 M	<17 M	<17 M	<17 M	<17 #	<17 M
Bromobenzene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 #	<10 M
Propylbenzene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M	<11 #	<11 M
2-Chlorotoluene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M	<9 #	<9 M
1.3.5-Trimethylbenzene	<8 µg/kg	TM116		<8 #	<8 #	<8 #	<8 #	<8 #	<8 #
4-Chlorotoluene	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 #	<12 M
tert-Butylbenzene	<12 µg/kg	TM116		<12 #	<12 #	<12 #	<12 #	<12 #	<12 #
1.2.4-Trimethylbenzene	<9 µg/kg	TM116		<9 #	<9 #	<9 #	<9 #	<9 #	<9 #
sec-Butylbenzene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 #	<10 M
4-Isopropyltoluene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M	<11 #	<11 M
1.3-Dichlorobenzene	<6 µg/kg	TM116		<6 M	<6 M	<6 M	<6 M	<6 #	<6 M
1.4-Dichlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 #	<5 M
n-Butylbenzene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 #	<10 M
1.2-Dichlorobenzene	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 #	<12 M
1.2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 #	<14 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<15	<15	<15	<15	<15	<15
1.2.4-Trichlorobenzene	<6 µg/kg	TM116		<6 #	<6 #	<6 #	<6 #	<6 #	<6 #
Hexachlorobutadiene	<12 µg/kg	TM116		<12	<12	<12	<12	<12	<12
Naphthalene	<13 µg/kg	TM116		<13 M	<13 M	<13 M	<13 M	<13 #	<13 M
1.2.3-Trichlorobenzene	<6 µg/kg	TM116		<6 M	<6 M	<6 M	<6 M	<6 #	<6 M

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DUP 41 E	DUP 1 N	DUP 1 N	DUP 2 N	DUP 2 N	DUP 33 N
			Depth (m)	2.30	1.30	2.30	0.60	1.50	0.70
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/08/2011	10/08/2011	10/08/2011	10/08/2011	10/08/2011	10/08/2011
			Date Received	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011
			SDG Ref	110812-144	110812-144	110812-144	110812-144	110812-144	110812-144
			Lab Sample No.(s)	4096401	4096355	4096356	4096362	4096363	4096386
			AGS Reference						
Dibromofluoromethane**	%	TM116		95.7	82.9 §	99.8 §	78.4	72.6 §	101 §
Toluene-d8**	%	TM116		101	91.7 §	87.3 §	69.8	78.8 §	97.8 §
4-Bromofluorobenzene**	%	TM116		116	135 §	162 §	184	171 §	121 §
Dichlorodifluoromethane	<4 µg/kg	TM116		<4 M	<4 § M	<4 § M	<4 M	<4 § M	<4 § M
Chloromethane	<7 µg/kg	TM116		<7 #	<7 § #	<7 § #	<7 #	<7 § #	<7 § #
Vinyl Chloride	<10 µg/kg	TM116		<10 #	<10 § #	<10 § #	<10 #	<10 § #	<10 § #
Bromomethane	<13 µg/kg	TM116		<13 M	<13 § M	<13 § M	<13 M	<13 § M	<13 § M
Chloroethane	<14 µg/kg	TM116		<14 M	<14 § M	<14 § M	<14 M	<14 § M	<14 § M
Trichlorofluorormethane	<6 µg/kg	TM116		<6 M	<6 § M	<6 § M	<6 M	<6 § M	<6 § M
1.1-Dichloroethene	<10 µg/kg	TM116		<10 #	<10 § #	<10 § #	<10 #	<10 § #	<10 § #
Carbon Disulphide	<7 µg/kg	TM116		<7 M	82.5 § M	17.6 § M	80.7 M	71.4 § M	<7 § M
Dichloromethane	<10 µg/kg	TM116		<10 #	<10 § #	<10 § #	<10 #	<10 § #	<10 § #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<11 M	<11 § M	<11 § M	<11 M	<11 § M	<11 § M
trans-1-2-Dichloroethene	<11 µg/kg	TM116		<11 M	<11 § M	<11 § M	<11 M	<11 § M	<11 § M
1.1-Dichloroethane	<8 µg/kg	TM116		<8 M	<8 § M	<8 § M	<8 M	<8 § M	<8 § M
cis-1-2-Dichloroethene	<5 µg/kg	TM116		<5 M	<5 § M	<5 § M	<5 M	<5 § M	<5 § M
2.2-Dichloropropane	<12 µg/kg	TM116		<12 M	<12 § M	<12 § M	<12 M	<12 § M	<12 § M
Bromochloromethane	<14 µg/kg	TM116		<14 M	<14 § M	<14 § M	<14 M	<14 § M	<14 § M
Chloroform	<8 µg/kg	TM116		<8 M	<8 § M	<8 § M	<8 M	<8 § M	<8 § M
1.1.1-Trichloroethane	<7 µg/kg	TM116		<7 M	<7 § M	<7 § M	<7 M	<7 § M	<7 § M
1.1-Dichloropropene	<11 µg/kg	TM116		<11 M	<11 § M	<11 § M	<11 M	<11 § M	<11 § M
Carbontetrachloride	<14 µg/kg	TM116		<14 M	<14 § M	<14 § M	<14 M	<14 § M	<14 § M
1.2-Dichloroethane	<5 µg/kg	TM116		<5 M	1040 § M	19.2 § M	<5 M	15.2 § M	<5 § M
Benzene	<9 µg/kg	TM116		<9 M	<9 § M	<9 § M	<9 M	<9 § M	<9 § M
Trichloroethene	<9 µg/kg	TM116		<9 M	<9 § M	<9 § M	<9 M	<9 § M	<9 § M
1.2-Dichloropropane	<12 µg/kg	TM116		<12 M	<12 § M	<12 § M	<12 M	<12 § M	<12 § M
Dibromomethane	<9 µg/kg	TM116		<9 M	<9 § M	<9 § M	<9 M	<9 § M	<9 § M
Bromodichloromethane	<7 µg/kg	TM116		<7 M	<7 § M	<7 § M	<7 M	<7 § M	<7 § M
cis-1-3-Dichloropropene	<14 µg/kg	TM116		<14 M	<14 § M	<14 § M	<14 M	<14 § M	<14 § M
Toluene	<5 µg/kg	TM116		<5 M	<5 § M	<5 § M	<5 M	<5 § M	<5 § M
trans-1-3-Dichloropropene	<14 µg/kg	TM116		<14	<14 §	<14 §	<14	<14 §	<14 §
1.1.2-Trichloroethane	<10 µg/kg	TM116		<10 M	<10 § M	<10 § M	<10 M	<10 § M	<10 § M
1.3-Dichloropropane	<7 µg/kg	TM116		<7 #	<7 § #	<7 § #	<7 #	<7 § #	<7 § #
Tetrachloroethene	<5 µg/kg	TM116		<5 M	<5 § M	<5 § M	<5 M	<5 § M	<5 § M
Dibromochloromethane	<13 µg/kg	TM116		<13 M	<13 § M	<13 § M	<13 M	<13 § M	<13 § M

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DUP 41 E	DUP 1 N	DUP 1 N	DUP 2 N	DUP 2 N	DUP 33 N
			Depth (m)	2.30	1.30	2.30	0.60	1.50	0.70
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/08/2011	10/08/2011	10/08/2011	10/08/2011	10/08/2011	10/08/2011
			Date Received	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011
			SDG Ref	110812-144	110812-144	110812-144	110812-144	110812-144	110812-144
			Lab Sample No.(s)	4096401	4096355	4096356	4096362	4096363	4096386
			AGS Reference						
1.2-Dibromoethane	<12 µg/kg	TM116		<12 M	<12 § M	<12 § M	<12 M	<12 § M	<12 § M
Chlorobenzene	<5 µg/kg	TM116		<5 M	<5 § M	<5 § M	<5 M	<5 § M	<5 § M
1.1.1.2-Tetrachloroethane	<10 µg/kg	TM116		<10 M	<10 § M	<10 § M	<10 M	<10 § M	<10 § M
Ethylbenzene	<4 µg/kg	TM116		<4 M	<4 § M	<4 § M	<4 M	<4 § M	<4 § M
p/m-Xylene	<14 µg/kg	TM116		<14 #	<14 § #	<14 § #	<14 #	<14 § #	<14 § #
o-Xylene	<10 µg/kg	TM116		<10 M	<10 § M	<10 § M	<10 M	<10 § M	<10 § M
Styrene	<10 µg/kg	TM116		<10 M	<10 § M	<10 § M	<10 M	<10 § M	<10 § M
Bromoform	<10 µg/kg	TM116		<10 M	<10 § M	<10 § M	<10 M	<10 § M	<10 § M
Isopropylbenzene	<5 µg/kg	TM116		<5 M	<5 § M	<5 § M	<5 M	<5 § M	<5 § M
1.1.2.2-Tetrachloroethane	<10 µg/kg	TM116		<10 #	<10 § #	<10 § #	<10 #	<10 § #	<10 § #
1.2.3-Trichloropropane	<17 µg/kg	TM116		<17 M	<17 § M	<17 § M	<17 M	<17 § M	<17 § M
Bromobenzene	<10 µg/kg	TM116		<10 M	<10 § M	<10 § M	<10 M	<10 § M	<10 § M
Propylbenzene	<11 µg/kg	TM116		<11 M	<11 § M	<11 § M	<11 M	<11 § M	<11 § M
2-Chlorotoluene	<9 µg/kg	TM116		<9 M	<9 § M	<9 § M	<9 M	<9 § M	<9 § M
1.3.5-Trimethylbenzene	<8 µg/kg	TM116		<8 #	<8 § #	<8 § #	<8 #	17.9 § #	<8 § #
4-Chlorotoluene	<12 µg/kg	TM116		<12 M	<12 § M	<12 § M	<12 M	<12 § M	<12 § M
tert-Butylbenzene	<12 µg/kg	TM116		<12 #	<12 § #	<12 § #	<12 #	<12 § #	<12 § #
1.2.4-Trimethylbenzene	<9 µg/kg	TM116		<9 #	25.5 § #	<9 § #	<9 #	<9 § #	<9 § #
sec-Butylbenzene	<10 µg/kg	TM116		<10 M	<10 § M	<10 § M	<10 M	<10 § M	<10 § M
4-Isopropyltoluene	<11 µg/kg	TM116		<11 M	<11 § M	<11 § M	<11 M	73.6 § M	<11 § M
1.3-Dichlorobenzene	<6 µg/kg	TM116		<6 M	<6 § M	<6 § M	<6 M	<6 § M	<6 § M
1.4-Dichlorobenzene	<5 µg/kg	TM116		<5 M	<5 § M	<5 § M	<5 M	<5 § M	<5 § M
n-Butylbenzene	<10 µg/kg	TM116		<10 M	<10 § M	<10 § M	<10 M	<10 § M	<10 § M
1.2-Dichlorobenzene	<12 µg/kg	TM116		<12 M	<12 § M	<12 § M	<12 M	<12 § M	<12 § M
1.2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<14 M	<14 § M	<14 § M	<14 M	<14 § M	<14 § M
Tert-amyl methyl ether	<15 µg/kg	TM116		<15	<15 §	<15 §	<15	<15 §	<15 §
1.2.4-Trichlorobenzene	<6 µg/kg	TM116		<6 #	<6 § #	<6 § #	<6 #	<6 § #	<6 § #
Hexachlorobutadiene	<12 µg/kg	TM116		<12	<12 §	<12 §	<12	<12 §	<12 §
Naphthalene	<13 µg/kg	TM116		<13 M	<13 § M	<13 § M	<13 M	<13 § M	<13 § M
1.2.3-Trichlorobenzene	<6 µg/kg	TM116		<6 M	<6 § M	<6 § M	<6 M	<6 § M	<6 § M

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DUP 36 N	DUP 36 N	DUP 2 S	DUP 2 S	DUP 22 S	DUP 22 S
			Depth (m)	0.70	1.50	0.40	1.20	0.30	0.80
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	10/08/2011	10/08/2011	10/08/2011	10/08/2011	11/08/2011	11/08/2011
			Date Received	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011
			SDG Ref	110812-144	110812-144	110812-144	110812-144	110812-144	110812-144
			Lab Sample No.(s)	4096389	4096390	4096364	4096365	4096376	4096382
			AGS Reference						
Dibromofluoromethane**	%	TM116		102 §	102	91 §	103 §	85.6	104
Toluene-d8**	%	TM116		91.9	84.2	78.9 §	100 §	82.5	93
4-Bromofluorobenzene**	%	TM116		136 §	152	170 §	105 §	142	131
Dichlorodifluoromethane	<4 µg/kg	TM116		<4 § M	<4 M	<4 § M	<4 § M	<4 M	<4 M
Chloromethane	<7 µg/kg	TM116		<7 § #	<7 #	<7 § #	<7 § #	<7 #	<7 #
Vinyl Chloride	<10 µg/kg	TM116		<10 #	<10 #	<10 § #	<10 § #	<10 #	<10 #
Bromomethane	<13 µg/kg	TM116		<13 § M	<13 M	<13 § M	<13 § M	<13 M	<13 M
Chloroethane	<14 µg/kg	TM116		<14 § M	20.7 M	<14 § M	<14 § M	<14 M	<14 M
Trichlorofluorormethane	<6 µg/kg	TM116		<6 M	<6 M	<6 § M	<6 § M	7.6 M	<6 M
1.1-Dichloroethene	<10 µg/kg	TM116		<10 § #	<10 #	<10 § #	<10 § #	<10 #	<10 #
Carbon Disulphide	<7 µg/kg	TM116		<7 § M	<7 M	32.7 § M	<7 § M	80.7 M	51.2 M
Dichloromethane	<10 µg/kg	TM116		<10 § #	<10 #	<10 § #	<10 § #	<10 #	<10 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<11 § M	<11 M	<11 § M	<11 § M	<11 M	<11 M
trans-1-2-Dichloroethene	<11 µg/kg	TM116		<11 M	<11 M	<11 § M	<11 § M	<11 M	<11 M
1.1-Dichloroethane	<8 µg/kg	TM116		<8 § M	<8 M	<8 § M	<8 § M	<8 M	<8 M
cis-1-2-Dichloroethene	<5 µg/kg	TM116		<5 § M	<5 M	<5 § M	<5 § M	<5 M	<5 M
2.2-Dichloropropane	<12 µg/kg	TM116		<12 § M	<12 M	<12 § M	<12 § M	<12 M	<12 M
Bromochloromethane	<14 µg/kg	TM116		<14 § M	<14 M	<14 § M	<14 § M	<14 M	<14 M
Chloroform	<8 µg/kg	TM116		<8 § M	<8 M	<8 § M	<8 § M	<8 M	<8 M
1.1.1-Trichloroethane	<7 µg/kg	TM116		<7 § M	<7 M	<7 § M	<7 § M	<7 M	<7 M
1.1-Dichloropropene	<11 µg/kg	TM116		<11 § M	<11 M	<11 § M	<11 § M	<11 M	<11 M
Carbontetrachloride	<14 µg/kg	TM116		<14 § M	<14 M	<14 § M	<14 § M	<14 M	<14 M
1.2-Dichloroethane	<5 µg/kg	TM116		<5 § M	<5 M	<5 § M	<5 § M	56.6 M	<5 M
Benzene	<9 µg/kg	TM116		<9 § M	<9 M	<9 § M	<9 § M	18.3 M	103 M
Trichloroethene	<9 µg/kg	TM116		<9 M	<9 M	<9 § M	<9 § M	<9 M	<9 M
1.2-Dichloropropane	<12 µg/kg	TM116		<12 § M	<12 M	<12 § M	<12 § M	<12 M	<12 M
Dibromomethane	<9 µg/kg	TM116		<9 § M	<9 M	<9 § M	<9 § M	<9 M	<9 M
Bromodichloromethane	<7 µg/kg	TM116		<7 § M	<7 M	<7 § M	<7 § M	<7 M	<7 M
cis-1-3-Dichloropropene	<14 µg/kg	TM116		<14 § M	<14 M	<14 § M	<14 § M	<14 M	<14 M
Toluene	<5 µg/kg	TM116		<5 M	<5 M	<5 § M	<5 § M	56.5 M	33.5 M
trans-1-3-Dichloropropene	<14 µg/kg	TM116		<14	<14	<14 §	<14 §	<14	<14
1.1.2-Trichloroethane	<10 µg/kg	TM116		<10 § M	<10 M	<10 § M	<10 § M	<10 M	<10 M
1.3-Dichloropropane	<7 µg/kg	TM116		<7 § #	<7 #	<7 § #	<7 § #	<7 #	<7 #
Tetrachloroethene	<5 µg/kg	TM116		<5 M	<5 M	<5 § M	<5 § M	<5 M	<5 M
Dibromochloromethane	<13 µg/kg	TM116		<13 § M	<13 M	<13 § M	<13 § M	<13 M	<13 M

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DUP 36 N	DUP 36 N	DUP 2 S	DUP 2 S	DUP 22 S	DUP 22 S
			Depth (m)	0.70	1.50	0.40	1.20	0.30	0.80
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	10/08/2011	10/08/2011	10/08/2011	10/08/2011	11/08/2011	11/08/2011
			Date Received	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011
			SDG Ref	110812-144	110812-144	110812-144	110812-144	110812-144	110812-144
			Lab Sample No.(s)	4096389	4096390	4096364	4096365	4096376	4096382
			AGS Reference						
1.2-Dibromoethane	<12 µg/kg	TM116		<12 § M	<12 M	<12 § M	<12 § M	<12 M	<12 M
Chlorobenzene	<5 µg/kg	TM116		<5 § M	<5 M	<5 § M	<5 § M	<5 M	<5 M
1.1.1.2-Tetrachloroethane	<10 µg/kg	TM116		<10 § M	<10 M	<10 § M	<10 § M	<10 M	<10 M
Ethylbenzene	<4 µg/kg	TM116		<4 § M	<4 M	<4 § M	<4 § M	48.2 M	4590 M
p/m-Xylene	<14 µg/kg	TM116		<14 § #	<14 #	<14 § #	<14 § #	126 #	5530 #
o-Xylene	<10 µg/kg	TM116		<10 § M	<10 M	<10 § M	<10 § M	50.8 M	187 M
Styrene	<10 µg/kg	TM116		<10 § M	<10 M	<10 § M	<10 § M	<10 M	<10 M
Bromoform	<10 µg/kg	TM116		<10 § M	<10 M	<10 § M	<10 § M	<10 M	<10 M
Isopropylbenzene	<5 µg/kg	TM116		<5 § M	<5 M	<5 § M	<5 § M	<5 M	2780 M
1.1.2.2-Tetrachloroethane	<10 µg/kg	TM116		<10 § #	<10 #	<10 § #	<10 § #	<10 #	<10 #
1.2.3-Trichloropropane	<17 µg/kg	TM116		<17 § M	<17 M	<17 § M	<17 § M	<17 M	<17 M
Bromobenzene	<10 µg/kg	TM116		<10 § M	<10 M	<10 § M	<10 § M	<10 M	<10 M
Propylbenzene	<11 µg/kg	TM116		<11 § M	<11 M	<11 § M	<11 § M	61.7 M	4590 M
2-Chlorotoluene	<9 µg/kg	TM116		<9 § M	<9 M	<9 § M	<9 § M	<9 M	<9 M
1.3.5-Trimethylbenzene	<8 µg/kg	TM116		<8 § #	<8 #	<8 § #	<8 § #	<8 #	687 #
4-Chlorotoluene	<12 µg/kg	TM116		<12 § M	<12 M	<12 § M	<12 § M	<12 M	<12 M
tert-Butylbenzene	<12 µg/kg	TM116		<12 § #	<12 #	<12 § #	<12 § #	<12 #	<12 #
1.2.4-Trimethylbenzene	<9 µg/kg	TM116		<9 § #	<9 #	<9 § #	<9 § #	244 #	33300 #
sec-Butylbenzene	<10 µg/kg	TM116		<10 § M	<10 M	<10 § M	<10 § M	<10 M	2460 M
4-Isopropyltoluene	<11 µg/kg	TM116		<11 § M	<11 M	<11 § M	<11 § M	<11 M	3070 M
1.3-Dichlorobenzene	<6 µg/kg	TM116		<6 § M	<6 M	<6 § M	<6 § M	<6 M	<6 M
1.4-Dichlorobenzene	<5 µg/kg	TM116		<5 § M	<5 M	<5 § M	<5 § M	<5 M	<5 M
n-Butylbenzene	<10 µg/kg	TM116		<10 § M	<10 M	<10 § M	<10 § M	<10 M	2510 M
1.2-Dichlorobenzene	<12 µg/kg	TM116		<12 § M	<12 M	<12 § M	<12 § M	<12 M	<12 M
1.2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<14 § M	<14 M	<14 § M	<14 § M	<14 M	<14 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<15 §	<15	<15 §	<15 §	<15	<15
1.2.4-Trichlorobenzene	<6 µg/kg	TM116		<6 § #	<6 #	<6 § #	<6 § #	<6 #	<6 #
Hexachlorobutadiene	<12 µg/kg	TM116		<12 §	<12	<12 §	<12 §	<12	<12
Naphthalene	<13 µg/kg	TM116		<13 § M	<13 M	<13 § M	<13 § M	<13 M	5270 M
1.2.3-Trichlorobenzene	<6 µg/kg	TM116		<6 § M	<6 M	<6 § M	<6 § M	<6 M	<6 M

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DUP 22 S	DUP 36 S	DUP 36 S	DUP 1 W	DUP 1 W	DUP 2 W
			Depth (m)	1.80	0.50	1.50	0.30	1.00	0.80
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/08/2011	10/08/2011	10/08/2011	10/08/2011	10/08/2011	10/08/2011
			Date Received	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011
			SDG Ref	110812-144	110812-144	110812-144	110812-144	110812-144	110812-144
			Lab Sample No.(s)	4096383	4096391	4096392	4096357	4096359	4096369
			AGS Reference						
Dibromofluoromethane**	%	TM116		98.9	103	95.9	56.7 §	100 §	72.2
Toluene-d8**	%	TM116		93.9	100	103	90.9 §	98 §	90
4-Bromofluorobenzene**	%	TM116		120	105	129	133 §	106 §	142
Dichlorodifluoromethane	<4 µg/kg	TM116		<4 M	<4 M	<4 M	<4 § M	<4 § M	<4 M
Chloromethane	<7 µg/kg	TM116		<7 #	<7 #	<7 #	<7 § #	<7 § #	<7 #
Vinyl Chloride	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 § #	<10 § #	<10 #
Bromomethane	<13 µg/kg	TM116		<13 M	<13 M	<13 M	<13 § M	<13 § M	<13 M
Chloroethane	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 § M	<14 § M	<14 M
Trichlorofluorormethane	<6 µg/kg	TM116		<6 M	<6 M	<6 M	<6 § M	<6 § M	<6 M
1.1-Dichloroethene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 § #	<10 § #	<10 #
Carbon Disulphide	<7 µg/kg	TM116		26.1 M	<7 M	11.6 M	26.9 § M	25.5 § M	73.1 M
Dichloromethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	16.4 § #	<10 § #	<10 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 § M	<11 § M	<11 M
trans-1-2-Dichloroethene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 § M	<11 § M	<11 M
1.1-Dichloroethane	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<8 § M	<8 § M	<8 M
cis-1-2-Dichloroethene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 § M	<5 § M	<5 M
2.2-Dichloropropane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 § M	<12 § M	<12 M
Bromochloromethane	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 § M	<14 § M	<14 M
Chloroform	<8 µg/kg	TM116		<8 M	<8 M	<8 M	23.6 § M	<8 § M	<8 M
1.1.1-Trichloroethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 § M	<7 § M	<7 M
1.1-Dichloropropene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 § M	<11 § M	<11 M
Carbontetrachloride	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 § M	<14 § M	<14 M
1.2-Dichloroethane	<5 µg/kg	TM116		<5 M	<5 M	<5 M	35.3 § M	<5 § M	29.2 M
Benzene	<9 µg/kg	TM116		30.4 M	<9 M	<9 M	<9 § M	<9 § M	<9 M
Trichloroethene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 § M	<9 § M	<9 M
1.2-Dichloropropane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 § M	<12 § M	<12 M
Dibromomethane	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 § M	<9 § M	<9 M
Bromodichloromethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 § M	<7 § M	<7 M
cis-1-3-Dichloropropene	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 § M	<14 § M	<14 M
Toluene	<5 µg/kg	TM116		573 M	<5 M	<5 M	6.57 § M	<5 § M	7.31 M
trans-1-3-Dichloropropene	<14 µg/kg	TM116		<14	<14	<14	<14 §	<14 §	<14
1.1.2-Trichloroethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 § M	<10 § M	<10 M
1.3-Dichloropropane	<7 µg/kg	TM116		<7 #	<7 #	<7 #	<7 § #	<7 § #	<7 #
Tetrachloroethene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	9.12 § M	<5 § M	<5 M
Dibromochloromethane	<13 µg/kg	TM116		<13 M	<13 M	<13 M	<13 § M	<13 § M	<13 M

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DUP 22 S	DUP 36 S	DUP 36 S	DUP 1 W	DUP 1 W	DUP 2 W
			Depth (m)	1.80	0.50	1.50	0.30	1.00	0.80
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/08/2011	10/08/2011	10/08/2011	10/08/2011	10/08/2011	10/08/2011
			Date Received	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011
			SDG Ref	110812-144	110812-144	110812-144	110812-144	110812-144	110812-144
			Lab Sample No.(s)	4096383	4096391	4096392	4096357	4096359	4096369
			AGS Reference						
1.2-Dibromoethane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 § M	<12 § M	<12 M
Chlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 § M	<5 § M	<5 M
1.1.1.2-Tetrachloroethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 § M	<10 § M	<10 M
Ethylbenzene	<4 µg/kg	TM116		2940 M	<4 M	<4 M	10.1 § M	<4 § M	12.3 M
p/m-Xylene	<14 µg/kg	TM116		7160 #	<14 #	<14 #	24.7 § #	<14 § #	20.3 #
o-Xylene	<10 µg/kg	TM116		2420 M	<10 M	<10 M	<10 § M	<10 § M	<10 M
Styrene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 § M	<10 § M	<10 M
Bromoform	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 § M	<10 § M	<10 M
Isopropylbenzene	<5 µg/kg	TM116		2570 M	<5 M	140 M	<5 § M	13.7 § M	<5 M
1.1.2.2-Tetrachloroethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 § #	<10 § #	<10 #
1.2.3-Trichloropropane	<17 µg/kg	TM116		<17 M	<17 M	<17 M	<17 § M	<17 § M	<17 M
Bromobenzene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 § M	<10 § M	<10 M
Propylbenzene	<11 µg/kg	TM116		3700 M	<11 M	125 M	<11 § M	<11 § M	<11 M
2-Chlorotoluene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 § M	<9 § M	<9 M
1.3.5-Trimethylbenzene	<8 µg/kg	TM116		4160 #	<8 #	<8 #	<8 § #	<8 § #	54.9 #
4-Chlorotoluene	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 § M	<12 § M	<12 M
tert-Butylbenzene	<12 µg/kg	TM116		<12 #	<12 #	<12 #	<12 § #	<12 § #	<12 #
1.2.4-Trimethylbenzene	<9 µg/kg	TM116		21400 #	<9 #	<9 #	<9 § #	13.3 § #	193 #
sec-Butylbenzene	<10 µg/kg	TM116		3060 M	<10 M	133 M	<10 § M	133 § M	<10 M
4-Isopropyltoluene	<11 µg/kg	TM116		3080 M	<11 M	<11 M	<11 § M	<11 § M	<11 M
1.3-Dichlorobenzene	<6 µg/kg	TM116		<6 M	<6 M	<6 M	<6 § M	<6 § M	<6 M
1.4-Dichlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 § M	<5 § M	<5 M
n-Butylbenzene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 § M	<10 § M	<10 M
1.2-Dichlorobenzene	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 § M	<12 § M	<12 M
1.2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 § M	<14 § M	<14 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<15	<15	<15	<15 §	<15 §	<15
1.2.4-Trichlorobenzene	<6 µg/kg	TM116		<6 #	<6 #	<6 #	<6 § #	<6 § #	<6 #
Hexachlorobutadiene	<12 µg/kg	TM116		<12	<12	<12	<12 §	<12 §	<12
Naphthalene	<13 µg/kg	TM116		1470 M	<13 M	<13 M	<13 § M	<13 § M	<13 M
1.2.3-Trichlorobenzene	<6 µg/kg	TM116		<6 M	<6 M	<6 M	<6 § M	<6 § M	<6 M

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DUP 5 W	DUP 5 W	DUP 41 W	DUP 41 W	DUP 63 W	DUP 63 W
			Depth (m)	0.80	1.50	0.30	1.00	0.10	0.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	10/08/2011	10/08/2011	11/08/2011	11/08/2011	11/08/2011	11/08/2011
			Date Received	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011
			SDG Ref	110812-144	110812-144	110812-144	110812-144	110812-144	110812-144
			Lab Sample No.(s)	4096374	4096375	4096402	4096403	4096405	4096406
			AGS Reference						
Dibromofluoromethane**	%	TM116		81.7	103	93.6	96.6	92.8	93
Toluene-d8**	%	TM116		69.2	98.1	94.5	96.2	97.6	85.3
4-Bromofluorobenzene**	%	TM116		159	125	149	115	135	165
Dichlorodifluoromethane	<4 µg/kg	TM116		<4 M	<80 M	<4 M	<4 M	<4 M	<4 M
Chloromethane	<7 µg/kg	TM116		<7 #	<140 #	<7 #	<7 #	<7 #	<7 #
Vinyl Chloride	<10 µg/kg	TM116		<10 #	<200 #	<10 #	<10 #	<10 #	<10 #
Bromomethane	<13 µg/kg	TM116		<13 M	<260 M	<13 M	<13 M	<13 M	<13 M
Chloroethane	<14 µg/kg	TM116		<14 M	<280 M	<14 M	<14 M	<14 M	<14 M
Trichlorofluorormethane	<6 µg/kg	TM116		<6 M	<120 M	<6 M	<6 M	<6 M	<6 M
1.1-Dichloroethene	<10 µg/kg	TM116		<10 #	<200 #	<10 #	<10 #	<10 #	<10 #
Carbon Disulphide	<7 µg/kg	TM116		21 M	<140 M	<7 M	17 M	51.6 M	132 M
Dichloromethane	<10 µg/kg	TM116		<10 #	<200 #	18 #	<10 #	<10 #	<10 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<11 M	<220 M	<11 M	<11 M	<11 M	<11 M
trans-1-2-Dichloroethene	<11 µg/kg	TM116		<11 M	<220 M	<11 M	<11 M	<11 M	<11 M
1.1-Dichloroethane	<8 µg/kg	TM116		61.3 M	<160 M	<8 M	<8 M	<8 M	<8 M
cis-1-2-Dichloroethene	<5 µg/kg	TM116		<5 M	<100 M	<5 M	<5 M	<5 M	<5 M
2.2-Dichloropropane	<12 µg/kg	TM116		<12 M	<240 M	<12 M	<12 M	<12 M	<12 M
Bromochloromethane	<14 µg/kg	TM116		<14 M	<280 M	<14 M	<14 M	<14 M	<14 M
Chloroform	<8 µg/kg	TM116		<8 M	<160 M	<8 M	<8 M	<8 M	<8 M
1.1.1-Trichloroethane	<7 µg/kg	TM116		<7 M	<140 M	<7 M	<7 M	<7 M	<7 M
1.1-Dichloropropene	<11 µg/kg	TM116		<11 M	<220 M	<11 M	<11 M	<11 M	<11 M
Carbontetrachloride	<14 µg/kg	TM116		<14 M	<280 M	<14 M	<14 M	<14 M	<14 M
1.2-Dichloroethane	<5 µg/kg	TM116		92.4 M	<100 M	<5 M	<5 M	<5 M	<5 M
Benzene	<9 µg/kg	TM116		<9 M	<180 M	<9 M	<9 M	15.9 M	19.4 M
Trichloroethene	<9 µg/kg	TM116		<9 M	<180 M	<9 M	<9 M	<9 M	<9 M
1.2-Dichloropropane	<12 µg/kg	TM116		<12 M	<240 M	<12 M	<12 M	<12 M	<12 M
Dibromomethane	<9 µg/kg	TM116		<9 M	<180 M	<9 M	<9 M	<9 M	<9 M
Bromodichloromethane	<7 µg/kg	TM116		<7 M	<140 M	<7 M	<7 M	<7 M	<7 M
cis-1-3-Dichloropropene	<14 µg/kg	TM116		<14 M	<280 M	<14 M	<14 M	<14 M	<14 M
Toluene	<5 µg/kg	TM116		6.76 M	<100 M	8.64 M	<5 M	29.7 M	27.6 M
trans-1-3-Dichloropropene	<14 µg/kg	TM116		<14	<280	<14	<14	<14	<14
1.1.2-Trichloroethane	<10 µg/kg	TM116		<10 M	<200 M	<10 M	<10 M	<10 M	<10 M
1.3-Dichloropropane	<7 µg/kg	TM116		<7 #	<140 #	<7 #	<7 #	<7 #	<7 #
Tetrachloroethene	<5 µg/kg	TM116		14.9 M	<100 M	<5 M	<5 M	<5 M	<5 M
Dibromochloromethane	<13 µg/kg	TM116		<13 M	<260 M	<13 M	<13 M	<13 M	<13 M

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DUP 5 W	DUP 5 W	DUP 41 W	DUP 41 W	DUP 63 W	DUP 63 W
			Depth (m)	0.80	1.50	0.30	1.00	0.10	0.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	10/08/2011	10/08/2011	11/08/2011	11/08/2011	11/08/2011	11/08/2011
			Date Received	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011	12/08/2011
			SDG Ref	110812-144	110812-144	110812-144	110812-144	110812-144	110812-144
			Lab Sample No.(s)	4096374	4096375	4096402	4096403	4096405	4096406
			AGS Reference						
1.2-Dibromoethane	<12 µg/kg	TM116		<12 M	<240 M	<12 M	<12 M	<12 M	<12 M
Chlorobenzene	<5 µg/kg	TM116		<5 M	<100 M	<5 M	<5 M	<5 M	<5 M
1.1.1.2-Tetrachloroethane	<10 µg/kg	TM116		<10 M	<200 M	<10 M	<10 M	<10 M	<10 M
Ethylbenzene	<4 µg/kg	TM116		<4 M	<80 M	10.4 M	<4 M	28 M	34.1 M
p/m-Xylene	<14 µg/kg	TM116		<14 #	<280 #	<14 #	<14 #	91.1 #	98.8 #
o-Xylene	<10 µg/kg	TM116		<10 M	<200 M	<10 M	<10 M	28.6 M	<10 M
Styrene	<10 µg/kg	TM116		<10 M	<200 M	<10 M	<10 M	<10 M	<10 M
Bromoform	<10 µg/kg	TM116		<10 M	<200 M	<10 M	<10 M	<10 M	<10 M
Isopropylbenzene	<5 µg/kg	TM116		<5 M	<100 M	<5 M	<5 M	<5 M	258 M
1.1.2.2-Tetrachloroethane	<10 µg/kg	TM116		<10 #	<200 #	<10 #	<10 #	<10 #	<10 #
1.2.3-Trichloropropane	<17 µg/kg	TM116		<17 M	<340 M	<17 M	<17 M	<17 M	<17 M
Bromobenzene	<10 µg/kg	TM116		<10 M	<200 M	<10 M	<10 M	<10 M	<10 M
Propylbenzene	<11 µg/kg	TM116		<11 M	<220 M	<11 M	<11 M	32.6 M	425 M
2-Chlorotoluene	<9 µg/kg	TM116		<9 M	<180 M	<9 M	<9 M	<9 M	<9 M
1.3.5-Trimethylbenzene	<8 µg/kg	TM116		<8 #	<160 #	<8 #	<8 #	<8 #	<8 #
4-Chlorotoluene	<12 µg/kg	TM116		<12 M	<240 M	<12 M	<12 M	<12 M	<12 M
tert-Butylbenzene	<12 µg/kg	TM116		<12 #	<240 #	<12 #	<12 #	<12 #	<12 #
1.2.4-Trimethylbenzene	<9 µg/kg	TM116		<9 #	<180 #	<9 #	<9 #	110 #	512 #
sec-Butylbenzene	<10 µg/kg	TM116		<10 M	<200 M	<10 M	<10 M	<10 M	680 M
4-Isopropyltoluene	<11 µg/kg	TM116		<11 M	<220 M	<11 M	<11 M	<11 M	<11 M
1.3-Dichlorobenzene	<6 µg/kg	TM116		<6 M	<120 M	<6 M	<6 M	<6 M	<6 M
1.4-Dichlorobenzene	<5 µg/kg	TM116		<5 M	<100 M	<5 M	<5 M	<5 M	<5 M
n-Butylbenzene	<10 µg/kg	TM116		<10 M	<200 M	<10 M	<10 M	<10 M	<10 M
1.2-Dichlorobenzene	<12 µg/kg	TM116		<12 M	<240 M	<12 M	<12 M	<12 M	<12 M
1.2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<14 M	<280 M	<14 M	<14 M	<14 M	<14 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<15	<300	<15	<15	<15	<15
1.2.4-Trichlorobenzene	<6 µg/kg	TM116		<6 #	<120 #	<6 #	<6 #	<6 #	<6 #
Hexachlorobutadiene	<12 µg/kg	TM116		<12	<240	<12	<12	<12	<12
Naphthalene	<13 µg/kg	TM116		<13 M	<260 M	<13 M	<13 M	<13 M	<13 M
1.2.3-Trichlorobenzene	<6 µg/kg	TM116		<6 M	<120 M	<6 M	<6 M	<6 M	<6 M

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

			Customer Sample R	DUP 63 W
			Depth (m)	1.60
			Sample Type	Soil/Solid
			Date Sampled	11/08/2011
			Date Received	12/08/2011
			SDG Ref	110812-144
			Lab Sample No.(s)	4096407
			AGS Reference	
Component	**LOD/Units**	**Method**		
Dibromofluoromethane**	%	TM116	101	
Toluene-d8**	%	TM116	97.5	
4-Bromofluorobenzene**	%	TM116	119	
Dichlorodifluoromethane	<4 µg/kg	TM116	<4 M	
Chloromethane	<7 µg/kg	TM116	<7 #	
Vinyl Chloride	<10 µg/kg	TM116	<10 #	
Bromomethane	<13 µg/kg	TM116	<13 M	
Chloroethane	<14 µg/kg	TM116	<14 M	
Trichlorofluorormethane	<6 µg/kg	TM116	<6 M	
1.1-Dichloroethene	<10 µg/kg	TM116	<10 #	
Carbon Disulphide	<7 µg/kg	TM116	<7 M	
Dichloromethane	<10 µg/kg	TM116	<10 #	
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116	<11 M	
trans-1-2-Dichloroethene	<11 µg/kg	TM116	<11 M	
1.1-Dichloroethane	<8 µg/kg	TM116	<8 M	
cis-1-2-Dichloroethene	<5 µg/kg	TM116	<5 M	
2.2-Dichloropropane	<12 µg/kg	TM116	<12 M	
Bromochloromethane	<14 µg/kg	TM116	<14 M	
Chloroform	<8 µg/kg	TM116	<8 M	
1.1.1-Trichloroethane	<7 µg/kg	TM116	<7 M	
1.1-Dichloropropene	<11 µg/kg	TM116	<11 M	
Carbontetrachloride	<14 µg/kg	TM116	<14 M	
1.2-Dichloroethane	<5 µg/kg	TM116	<5 M	
Benzene	<9 µg/kg	TM116	<9 M	
Trichloroethene	<9 µg/kg	TM116	<9 M	
1.2-Dichloropropane	<12 µg/kg	TM116	<12 M	
Dibromomethane	<9 µg/kg	TM116	<9 M	
Bromodichloromethane	<7 µg/kg	TM116	<7 M	
cis-1-3-Dichloropropene	<14 µg/kg	TM116	<14 M	
Toluene	<5 µg/kg	TM116	<5 M	
trans-1-3-Dichloropropene	<14 µg/kg	TM116	<14	
1.1.2-Trichloroethane	<10 µg/kg	TM116	<10 M	
1.3-Dichloropropane	<7 µg/kg	TM116	<7 #	
Tetrachloroethene	<5 µg/kg	TM116	<5 M	
Dibromochloromethane	<13 µg/kg	TM116	<13 M	

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	
			Depth (m)	1.60
			Sample Type	Soil/Solid
			Date Sampled	11/08/2011
			Date Received	12/08/2011
			SDG Ref	110812-144
			Lab Sample No.(s)	4096407
			AGS Reference	
1.2-Dibromoethane	<12 µg/kg	TM116	<12	M
Chlorobenzene	<5 µg/kg	TM116	<5	M
1.1.1.2-Tetrachloroethane	<10 µg/kg	TM116	<10	M
Ethylbenzene	<4 µg/kg	TM116	<4	M
p/m-Xylene	<14 µg/kg	TM116	<14	#
o-Xylene	<10 µg/kg	TM116	<10	M
Styrene	<10 µg/kg	TM116	<10	M
Bromoform	<10 µg/kg	TM116	<10	M
Isopropylbenzene	<5 µg/kg	TM116	1490	M
1.1.2.2-Tetrachloroethane	<10 µg/kg	TM116	<10	#
1.2.3-Trichloropropane	<17 µg/kg	TM116	<17	M
Bromobenzene	<10 µg/kg	TM116	<10	M
Propylbenzene	<11 µg/kg	TM116	2500	M
2-Chlorotoluene	<9 µg/kg	TM116	<9	M
1.3.5-Trimethylbenzene	<8 µg/kg	TM116	117	#
4-Chlorotoluene	<12 µg/kg	TM116	<12	M
tert-Butylbenzene	<12 µg/kg	TM116	<12	#
1.2.4-Trimethylbenzene	<9 µg/kg	TM116	874	#
sec-Butylbenzene	<10 µg/kg	TM116	1680	M
4-Isopropyltoluene	<11 µg/kg	TM116	<11	M
1.3-Dichlorobenzene	<6 µg/kg	TM116	<6	M
1.4-Dichlorobenzene	<5 µg/kg	TM116	<5	M
n-Butylbenzene	<10 µg/kg	TM116	1590	M
1.2-Dichlorobenzene	<12 µg/kg	TM116	<12	M
1.2-Dibromo-3-chloropropane	<14 µg/kg	TM116	<14	M
Tert-amyl methyl ether	<15 µg/kg	TM116	<15	
1.2.4-Trichlorobenzene	<6 µg/kg	TM116	<6	#
Hexachlorobutadiene	<12 µg/kg	TM116	<12	
Naphthalene	<13 µg/kg	TM116	<13	M
1.2.3-Trichlorobenzene	<6 µg/kg	TM116	<6	M

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

Asbestos Identification

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthrophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Customer Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	DUP 1 N NS Z 0.50 SOLID 10/08/2011 00:00:00 110812-144 4,096,354 TM048	18/08/2011	Kevin Bowron	Loose Fibres in Soil. Removed for Analysis	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Customer Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	DUP 1 W NS Z 0.70 SOLID 10/08/2011 00:00:00 110812-144 4,096,358 TM048	18/08/2011	Tomasz Pawlikowski	Loose Fibres in Soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Customer Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	DUP 2 N NS Z 0.20 SOLID 10/08/2011 00:00:00 110812-144 4,096,361 TM048	18/08/2011	Lauren Sargeant	Loose Fibres in Soil. Removed for Analysis	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Customer Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	DUP 2 W NS Z 0.40 SOLID 10/08/2011 00:00:00 110812-144 4,096,368 TM048	18/08/2011	Kevin Bowron	Loose Fibres in Soil. Removed for Analysis	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Detected (#)	Not Detected (#)	Detected
Customer Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	DUP 33 N NS Z 0.30 SOLID 10/08/2011 00:00:00 110812-144 4,096,385 TM048	18/08/2011	Kevin Bowron	No Asbestos Detected	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthrophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Customer Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	DUP 5 W NS Z 0.20 SOLID 10/08/2011 00:00:00 110812-144 4,096,373 TM048	18/08/2011	Kevin Bowron	No Asbestos Detected	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Detected
Customer Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SP 38 002 NS Z SOLID 09/08/2011 00:00:00 110812-144 4,096,396 TM048	18/08/2011	Kevin Bowron	Bundle of Fibres & Loose Fibres in Soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Customer Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SP 38 004 NS Z SOLID 09/08/2011 00:00:00 110812-144 4,096,398 TM048	18/08/2011	Kevin Bowron	Loose Fibres in Soil. Very Little Left After Analysis	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

Notification of Deviating Samples

Sample Number	Customer Sample Ref.	Depth (m)	Matrix	Test Name	Component Name	Comment
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	1.1.1.2-Tetrachloroethane	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	1.1.1-Trichloroethane	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	1.1.2.2-Tetrachloroethane	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	1.1.2-Trichloroethane	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	1.1-Dichloroethane	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	1.1-Dichloroethene	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	1.1-Dichloropropene	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	1.2.3-Trichlorobenzene	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	1.2.3-Trichloropropane	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	1.2.4-Trichlorobenzene	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	1.2.4-Trimethylbenzene	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	1.2-Dibromo-3-chloropropane	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	1.2-Dibromoethane	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	1.2-Dichlorobenzene	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	1.2-Dichloroethane	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	1.2-Dichloropropane	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	1.3.5-Trimethylbenzene	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	1.3-Dichlorobenzene	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	1.3-Dichloropropane	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	1.4-Dichlorobenzene	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	2.2-Dichloropropane	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	2-Chlorotoluene	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	4-Bromofluorobenzene**	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	4-Chlorotoluene	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	4-Isopropyltoluene	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	Benzene	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	Bromobenzene	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	Bromochloromethane	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	Bromodichloromethane	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	Bromoform	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	Bromomethane	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	Carbon Disulphide	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	Carbontetrachloride	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	Chlorobenzene	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	Chloroethane	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	Chloroform	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	Chloromethane	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	cis-1-2-Dichloroethene	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	cis-1-3-Dichloropropene	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	Dibromochloromethane	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	Dibromofluoromethane**	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	Dibromomethane	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	Dichlorodifluoromethane	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	Dichloromethane	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	Ethylbenzene	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	Hexachlorobutadiene	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	Isopropylbenzene	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	Methyl Tertiary Butyl Ether	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	Naphthalene	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	n-Butylbenzene	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	o-Xylene	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	p/m-Xylene	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	Propylbenzene	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	sec-Butylbenzene	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	Styrene	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	Tert-amyl methyl ether	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	tert-Butylbenzene	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	Tetrachloroethene	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	Toluene	Sample holding time exceeded

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

Sample Number	Customer Sample Ref.	Depth (m)	Matrix	Test Name	Component Name	Comment
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	Toluene-d8**	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	trans-1-2-Dichloroethene	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	trans-1-3-Dichloropropene	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	Trichloroethene	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	Trichlorofluorormethane	Sample holding time exceeded
4096624	DUP 1 N	1.30	SOLID	VOC MS (S)	Vinyl Chloride	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	1.1.1.2-Tetrachloroethane	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	1.1.1-Trichloroethane	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	1.1.2.2-Tetrachloroethane	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	1.1.2-Trichloroethane	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	1.1-Dichloroethane	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	1.1-Dichloroethene	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	1.1-Dichloropropene	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	1.2.3-Trichlorobenzene	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	1.2.3-Trichloropropane	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	1.2.4-Trichlorobenzene	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	1.2.4-Trimethylbenzene	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	1.2-Dibromo-3-chloropropane	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	1.2-Dibromoethane	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	1.2-Dichlorobenzene	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	1.2-Dichloroethane	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	1.2-Dichloropropane	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	1.3.5-Trimethylbenzene	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	1.3-Dichlorobenzene	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	1.3-Dichloropropane	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	1.4-Dichlorobenzene	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	2.2-Dichloropropane	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	2-Chlorotoluene	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	4-Bromofluorobenzene**	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	4-Chlorotoluene	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	4-Isopropyltoluene	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	Benzene	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	Bromobenzene	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	Bromochloromethane	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	Bromodichloromethane	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	Bromoform	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	Bromomethane	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	Carbon Disulphide	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	Carbontetrachloride	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	Chlorobenzene	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	Chloroethane	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	Chloroform	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	Chloromethane	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	cis-1-2-Dichloroethene	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	cis-1-3-Dichloropropene	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	Dibromochloromethane	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	Dibromofluoromethane**	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	Dibromomethane	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	Dichlorodifluoromethane	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	Dichloromethane	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	Ethylbenzene	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	Hexachlorobutadiene	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	Isopropylbenzene	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	Methyl Tertiary Butyl Ether	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	Naphthalene	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	n-Butylbenzene	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	o-Xylene	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	p/m-Xylene	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	Propylbenzene	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	sec-Butylbenzene	Sample holding time exceeded

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

Sample Number	Customer Sample Ref.	Depth (m)	Matrix	Test Name	Component Name	Comment
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	Styrene	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	Tert-amyl methyl ether	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	tert-Butylbenzene	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	Tetrachloroethene	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	Toluene	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	Toluene-d8**	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	trans-1-2-Dichloroethene	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	trans-1-3-Dichloropropene	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	Trichloroethene	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	Trichlorofluoromethane	Sample holding time exceeded
4096630	DUP 1 N	2.30	SOLID	VOC MS (S)	Vinyl Chloride	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	1.1.1.2-Tetrachloroethane	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	1.1.1-Trichloroethane	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	1.1.2.2-Tetrachloroethane	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	1.1.2-Trichloroethane	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	1.1-Dichloroethane	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	1.1-Dichloroethene	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	1.1-Dichloropropene	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	1.2.3-Trichlorobenzene	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	1.2.3-Trichloropropane	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	1.2.4-Trichlorobenzene	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	1.2.4-Trimethylbenzene	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	1.2-Dibromo-3-chloropropane	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	1.2-Dibromoethane	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	1.2-Dichlorobenzene	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	1.2-Dichloroethane	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	1.2-Dichloropropane	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	1.3.5-Trimethylbenzene	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	1.3-Dichlorobenzene	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	1.3-Dichloropropane	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	1.4-Dichlorobenzene	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	2.2-Dichloropropane	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	2-Chlorotoluene	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	4-Bromofluorobenzene**	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	4-Chlorotoluene	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	4-Isopropyltoluene	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	Benzene	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	Bromobenzene	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	Bromochloromethane	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	Bromodichloromethane	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	Bromoform	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	Bromomethane	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	Carbon Disulphide	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	Carbontetrachloride	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	Chlorobenzene	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	Chloroethane	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	Chloroform	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	Chloromethane	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	cis-1-2-Dichloroethene	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	cis-1-3-Dichloropropene	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	Dibromochloromethane	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	Dibromofluoromethane**	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	Dibromomethane	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	Dichlorodifluoromethane	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	Dichloromethane	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	Ethylbenzene	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	Hexachlorobutadiene	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	Isopropylbenzene	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	Methyl Tertiary Butyl Ether	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	Naphthalene	Sample holding time exceeded

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

Sample Number	Customer Sample Ref.	Depth (m)	Matrix	Test Name	Component Name	Comment
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	n-Butylbenzene	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	o-Xylene	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	p/m-Xylene	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	Propylbenzene	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	sec-Butylbenzene	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	Styrene	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	Tert-amyl methyl ether	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	tert-Butylbenzene	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	Tetrachloroethene	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	Toluene	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	Toluene-d8**	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	trans-1-2-Dichloroethene	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	trans-1-3-Dichloropropene	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	Trichloroethene	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	Trichlorofluorormethane	Sample holding time exceeded
4096634	DUP 1 W	0.30	SOLID	VOC MS (S)	Vinyl Chloride	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	1.1.1.2-Tetrachloroethane	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	1.1.1-Trichloroethane	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	1.1.2.2-Tetrachloroethane	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	1.1.2-Trichloroethane	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	1.1-Dichloroethane	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	1.1-Dichloroethene	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	1.1-Dichloropropene	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	1.2.3-Trichlorobenzene	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	1.2.3-Trichloropropane	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	1.2.4-Trichlorobenzene	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	1.2.4-Trimethylbenzene	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	1.2-Dibromo-3-chloropropane	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	1.2-Dibromoethane	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	1.2-Dichlorobenzene	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	1.2-Dichloroethane	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	1.2-Dichloropropane	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	1.3.5-Trimethylbenzene	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	1.3-Dichlorobenzene	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	1.3-Dichloropropane	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	1.4-Dichlorobenzene	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	2.2-Dichloropropane	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	2-Chlorotoluene	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	4-Bromofluorobenzene**	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	4-Chlorotoluene	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	4-Isopropyltoluene	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	Benzene	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	Bromobenzene	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	Bromochloromethane	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	Bromodichloromethane	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	Bromoform	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	Bromomethane	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	Carbon Disulphide	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	Carbontetrachloride	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	Chlorobenzene	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	Chloroethane	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	Chloroform	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	Chloromethane	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	cis-1-2-Dichloroethene	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	cis-1-3-Dichloropropene	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	Dibromochloromethane	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	Dibromofluoromethane**	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	Dibromomethane	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	Dichlorodifluoromethane	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	Dichloromethane	Sample holding time exceeded

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

Sample Number	Customer Sample Ref.	Depth (m)	Matrix	Test Name	Component Name	Comment
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	Ethylbenzene	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	Hexachlorobutadiene	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	Isopropylbenzene	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	Methyl Tertiary Butyl Ether	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	Naphthalene	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	n-Butylbenzene	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	o-Xylene	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	p/m-Xylene	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	Propylbenzene	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	sec-Butylbenzene	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	Styrene	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	Tert-amyl methyl ether	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	tert-Butylbenzene	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	Tetrachloroethene	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	Toluene	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	Toluene-d8**	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	trans-1-2-Dichloroethene	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	trans-1-3-Dichloropropene	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	Trichloroethene	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	Trichlorofluormethane	Sample holding time exceeded
4096643	DUP 1 W	1.00	SOLID	VOC MS (S)	Vinyl Chloride	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	1.1.1.2-Tetrachloroethane	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	1.1.1-Trichloroethane	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	1.1.2.2-Tetrachloroethane	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	1.1.2-Trichloroethane	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	1.1-Dichloroethane	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	1.1-Dichloroethene	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	1.1-Dichloropropene	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	1.2.3-Trichlorobenzene	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	1.2.3-Trichloropropane	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	1.2.4-Trichlorobenzene	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	1.2.4-Trimethylbenzene	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	1.2-Dibromo-3-chloropropane	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	1.2-Dibromoethane	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	1.2-Dichlorobenzene	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	1.2-Dichloroethane	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	1.2-Dichloropropane	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	1.3.5-Trimethylbenzene	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	1.3-Dichlorobenzene	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	1.3-Dichloropropane	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	1.4-Dichlorobenzene	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	2.2-Dichloropropane	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	2-Chlorotoluene	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	4-Bromofluorobenzene**	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	4-Chlorotoluene	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	4-Isopropyltoluene	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	Benzene	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	Bromobenzene	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	Bromochloromethane	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	Bromodichloromethane	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	Bromoform	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	Bromomethane	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	Carbon Disulphide	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	Carbontetrachloride	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	Chlorobenzene	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	Chloroethane	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	Chloroform	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	Chloromethane	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	cis-1-2-Dichloroethene	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	cis-1-3-Dichloropropene	Sample holding time exceeded

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

Sample Number	Customer Sample Ref.	Depth (m)	Matrix	Test Name	Component Name	Comment
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	Dibromochloromethane	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	Dibromofluoromethane**	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	Dibromomethane	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	Dichlorodifluoromethane	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	Dichloromethane	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	Ethylbenzene	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	Hexachlorobutadiene	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	Isopropylbenzene	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	Methyl Tertiary Butyl Ether	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	Naphthalene	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	n-Butylbenzene	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	o-Xylene	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	p/m-Xylene	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	Propylbenzene	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	sec-Butylbenzene	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	Styrene	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	Tert-amyl methyl ether	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	tert-Butylbenzene	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	Tetrachloroethene	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	Toluene	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	Toluene-d8**	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	trans-1-2-Dichloroethene	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	trans-1-3-Dichloropropene	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	Trichloroethene	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	Trichlorofluorormethane	Sample holding time exceeded
4096659	DUP 2 N	1.50	SOLID	VOC MS (S)	Vinyl Chloride	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	1.1.1.2-Tetrachloroethane	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	1.1.1-Trichloroethane	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	1.1.2.2-Tetrachloroethane	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	1.1.2-Trichloroethane	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	1.1-Dichloroethane	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	1.1-Dichloroethene	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	1.1-Dichloropropene	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	1.2.3-Trichlorobenzene	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	1.2.3-Trichloropropane	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	1.2.4-Trichlorobenzene	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	1.2.4-Trimethylbenzene	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	1.2-Dibromo-3-chloropropane	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	1.2-Dibromoethane	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	1.2-Dichlorobenzene	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	1.2-Dichloroethane	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	1.2-Dichloropropane	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	1.3.5-Trimethylbenzene	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	1.3-Dichlorobenzene	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	1.3-Dichloropropane	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	1.4-Dichlorobenzene	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	2.2-Dichloropropane	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	2-Chlorotoluene	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	4-Bromofluorobenzene**	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	4-Chlorotoluene	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	4-Isopropyltoluene	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	Benzene	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	Bromobenzene	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	Bromochloromethane	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	Bromodichloromethane	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	Bromoform	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	Bromomethane	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	Carbon Disulphide	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	Carbontetrachloride	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	Chlorobenzene	Sample holding time exceeded

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

Sample Number	Customer Sample Ref.	Depth (m)	Matrix	Test Name	Component Name	Comment
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	Chloroethane	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	Chloroform	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	Chloromethane	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	cis-1-2-Dichloroethene	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	cis-1-3-Dichloropropene	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	Dibromochloromethane	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	Dibromofluoromethane**	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	Dibromomethane	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	Dichlorodifluoromethane	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	Dichloromethane	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	Ethylbenzene	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	Hexachlorobutadiene	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	Isopropylbenzene	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	Methyl Tertiary Butyl Ether	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	Naphthalene	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	n-Butylbenzene	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	o-Xylene	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	p/m-Xylene	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	Propylbenzene	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	sec-Butylbenzene	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	Styrene	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	Tert-amyl methyl ether	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	tert-Butylbenzene	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	Tetrachloroethene	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	Toluene	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	Toluene-d8**	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	trans-1-2-Dichloroethene	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	trans-1-3-Dichloropropene	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	Trichloroethene	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	Trichlorofluorormethane	Sample holding time exceeded
4096663	DUP 2 S	0.40	SOLID	VOC MS (S)	Vinyl Chloride	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	1.1.1.2-Tetrachloroethane	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	1.1.1-Trichloroethane	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	1.1.2.2-Tetrachloroethane	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	1.1.2-Trichloroethane	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	1.1-Dichloroethane	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	1.1-Dichloroethene	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	1.1-Dichloropropene	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	1.2.3-Trichlorobenzene	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	1.2.3-Trichloropropane	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	1.2.4-Trichlorobenzene	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	1.2.4-Trimethylbenzene	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	1.2-Dibromo-3-chloropropane	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	1.2-Dibromoethane	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	1.2-Dichlorobenzene	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	1.2-Dichloroethane	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	1.2-Dichloropropane	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	1.3.5-Trimethylbenzene	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	1.3-Dichlorobenzene	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	1.3-Dichloropropane	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	1.4-Dichlorobenzene	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	2.2-Dichloropropane	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	2-Chlorotoluene	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	4-Bromofluorobenzene**	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	4-Chlorotoluene	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	4-Isopropyltoluene	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	Benzene	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	Bromobenzene	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	Bromochloromethane	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	Bromodichloromethane	Sample holding time exceeded

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

Sample Number	Customer Sample Ref.	Depth (m)	Matrix	Test Name	Component Name	Comment
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	Bromoform	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	Bromomethane	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	Carbon Disulphide	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	Carbontetrachloride	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	Chlorobenzene	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	Chloroethane	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	Chloroform	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	Chloromethane	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	cis-1-2-Dichloroethene	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	cis-1-3-Dichloropropene	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	Dibromochloromethane	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	Dibromofluoromethane**	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	Dibromomethane	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	Dichlorodifluoromethane	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	Dichloromethane	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	Ethylbenzene	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	Hexachlorobutadiene	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	Isopropylbenzene	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	Methyl Tertiary Butyl Ether	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	Naphthalene	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	n-Butylbenzene	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	o-Xylene	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	p/m-Xylene	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	Propylbenzene	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	sec-Butylbenzene	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	Styrene	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	Tert-amyl methyl ether	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	tert-Butylbenzene	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	Tetrachloroethene	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	Toluene	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	Toluene-d8**	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	trans-1-2-Dichloroethene	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	trans-1-3-Dichloropropene	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	Trichloroethene	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	Trichlorofluorormethane	Sample holding time exceeded
4096668	DUP 2 S	1.20	SOLID	VOC MS (S)	Vinyl Chloride	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	1.1.1.2-Tetrachloroethane	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	1.1.1-Trichloroethane	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	1.1.2.2-Tetrachloroethane	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	1.1.2-Trichloroethane	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	1.1-Dichloroethane	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	1.1-Dichloroethene	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	1.1-Dichloropropene	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	1.2.3-Trichlorobenzene	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	1.2.3-Trichloropropane	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	1.2.4-Trichlorobenzene	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	1.2.4-Trimethylbenzene	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	1.2-Dibromo-3-chloropropane	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	1.2-Dibromoethane	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	1.2-Dichlorobenzene	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	1.2-Dichloroethane	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	1.2-Dichloropropane	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	1.3.5-Trimethylbenzene	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	1.3-Dichlorobenzene	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	1.3-Dichloropropane	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	1.4-Dichlorobenzene	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	2.2-Dichloropropane	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	2-Chlorotoluene	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	4-Bromofluorobenzene**	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	4-Chlorotoluene	Sample holding time exceeded

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

Sample Number	Customer Sample Ref.	Depth (m)	Matrix	Test Name	Component Name	Comment
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	4-Isopropyltoluene	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	Benzene	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	Bromobenzene	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	Bromochloromethane	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	Bromodichloromethane	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	Bromoform	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	Bromomethane	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	Carbon Disulphide	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	Carbontetrachloride	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	Chlorobenzene	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	Chloroethane	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	Chloroform	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	Chloromethane	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	cis-1-2-Dichloroethene	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	cis-1-3-Dichloropropene	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	Dibromochloromethane	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	Dibromofluoromethane**	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	Dibromomethane	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	Dichlorodifluoromethane	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	Dichloromethane	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	Ethylbenzene	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	Hexachlorobutadiene	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	Isopropylbenzene	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	Methyl Tertiary Butyl Ether	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	Naphthalene	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	n-Butylbenzene	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	o-Xylene	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	p/m-Xylene	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	Propylbenzene	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	sec-Butylbenzene	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	Styrene	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	Tert-amyl methyl ether	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	tert-Butylbenzene	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	Tetrachloroethene	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	Toluene	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	Toluene-d8**	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	trans-1-2-Dichloroethene	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	trans-1-3-Dichloropropene	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	Trichloroethene	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	Trichlorofluoromethane	Sample holding time exceeded
4096756	DUP 33 N	0.70	SOLID	VOC MS (S)	Vinyl Chloride	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	1.1.1.2-Tetrachloroethane	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	1.1.1-Trichloroethane	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	1.1.2.2-Tetrachloroethane	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	1.1.2-Trichloroethane	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	1.1-Dichloroethane	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	1.1-Dichloroethene	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	1.1-Dichloropropene	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	1.2.3-Trichlorobenzene	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	1.2.3-Trichloropropane	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	1.2.4-Trichlorobenzene	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	1.2.4-Trimethylbenzene	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	1.2-Dibromo-3-chloropropane	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	1.2-Dibromoethane	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	1.2-Dichlorobenzene	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	1.2-Dichloroethane	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	1.2-Dichloropropane	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	1.3.5-Trimethylbenzene	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	1.3-Dichlorobenzene	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	1.3-Dichloropropane	Sample holding time exceeded

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

Sample Number	Customer Sample Ref.	Depth (m)	Matrix	Test Name	Component Name	Comment
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	1.4-Dichlorobenzene	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	2.2-Dichloropropane	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	2-Chlorotoluene	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	4-Bromofluorobenzene**	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	4-Chlorotoluene	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	4-Isopropyltoluene	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	Benzene	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	Bromobenzene	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	Bromochloromethane	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	Bromodichloromethane	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	Bromoform	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	Bromomethane	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	Carbon Disulphide	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	Carbontetrachloride	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	Chlorobenzene	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	Chloroethane	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	Chloroform	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	Chloromethane	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	cis-1-2-Dichloroethene	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	cis-1-3-Dichloropropene	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	Dibromochloromethane	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	Dibromofluoromethane**	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	Dibromomethane	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	Dichlorodifluoromethane	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	Dichloromethane	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	Ethylbenzene	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	Hexachlorobutadiene	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	Isopropylbenzene	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	Methyl Tertiary Butyl Ether	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	Naphthalene	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	n-Butylbenzene	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	o-Xylene	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	p/m-Xylene	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	Propylbenzene	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	sec-Butylbenzene	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	Styrene	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	Tert-amyl methyl ether	Sample holding time exceeded
4096768	DUP 36 N	0.70	SOLID	VOC MS (S)	tert-Butylbenzene	Sample holding time exceeded

Note : Test results may be compromised

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

Table of Results - Appendix

REPORT KEY

Results expressed as (e.g.) 1.03E-07 is equivalent to 1.03x10-7

NDP	No Determination Possible	#	ISO 17025 Accredited	*	Subcontracted Test	M	MCERTS Accredited
NFD	No Fibres Detected	PFD	Possible Fibres Detected	»	Result previously reported (Incremental reports only)	EC	Equivalent Carbon (Aromatics C8-C35)

Note: Method detection limits are not always achievable due to various circumstances beyond our control

Method No	Reference	Description	Wet/Dry Sample [1]	Surrogate Corrected
PM001		Preparation of Samples for Metals Analysis		
PM024	Modified BS 1377	Soil preparation including homogenisation, moisture screens of soils for Asbestos Containing Material		
TM048	HSG 248, Asbestos: The analysts' guide for sampling, analysis and clearance procedures	Identification of Asbestos in Bulk Material		
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)		
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS		
TM132	In - house Method	ELTRA CS800 Operators Guide		
TM133	BS 1377: Part 3 1990;BS 6068-2.5	Determination of pH in Soil and Water using the GLpH pH Meter		
TM157	HP 6890 Gas Chromatograph (GC) system and HP 5973 Mass Selective Detector (MSD).	Determination of SVOC in Soils by GC-MS extracted by sonication in DCM/Acetone		
TM173	Analysis of Petroleum Hydrocarbons in Environmental Media – Total Petroleum Hydrocarbon Criteria	Determination of Speciated Extractable Petroleum Hydrocarbons in Soils by GC-FID		
TM181	US EPA Method 6010B	Determination of Routine Metals in Soil by iCap 6500 Duo ICP-OES		
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:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

Test Completion Dates

Lab Sample No(s)	4096408	4096409	4096410	4096411	4096412	4096413	4096414	4096415	4096366	4096367
Customer Sample Ref.	DUP 75	DUP 75	DUP 75	DUP 76	DUP 76	DUP 77	DUP 77	DUP 77	DUP 2 E	DUP 2 E
AGS Ref.										
Depth	0.50	1.00	1.50	0.50	1.20	0.20	1.00	1.50	0.20	0.80
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
EPH CWG (Aliphatic) GC (S)	19-Aug-2011	22-Aug-2011	18-Aug-2011	19-Aug-2011	19-Aug-2011	19-Aug-2011	19-Aug-2011	19-Aug-2011	19-Aug-2011	19-Aug-2011
EPH CWG (Aromatic) GC (S)	19-Aug-2011	22-Aug-2011	18-Aug-2011	19-Aug-2011	19-Aug-2011	19-Aug-2011	19-Aug-2011	19-Aug-2011	19-Aug-2011	19-Aug-2011
GRO by GC-FID (S)	24-Aug-2011	24-Aug-2011	23-Aug-2011	23-Aug-2011	23-Aug-2011	23-Aug-2011	22-Aug-2011	24-Aug-2011	22-Aug-2011	22-Aug-2011
Metals by iCap-OES (Soil)	18-Aug-2011	18-Aug-2011		22-Aug-2011	18-Aug-2011	22-Aug-2011	22-Aug-2011		22-Aug-2011	18-Aug-2011
Sample description	16-Aug-2011	16-Aug-2011	16-Aug-2011	16-Aug-2011	17-Aug-2011	16-Aug-2011	16-Aug-2011	16-Aug-2011	16-Aug-2011	16-Aug-2011
Semi Volatile Organic Compounds	21-Aug-2011	21-Aug-2011	21-Aug-2011	22-Aug-2011	21-Aug-2011	20-Aug-2011	21-Aug-2011	21-Aug-2011	21-Aug-2011	21-Aug-2011
Total Organic Carbon								18-Aug-2011		
TPH CWG GC (S)	24-Aug-2011	24-Aug-2011	23-Aug-2011	23-Aug-2011	23-Aug-2011	23-Aug-2011	22-Aug-2011	24-Aug-2011	22-Aug-2011	22-Aug-2011
VOC MS (S)	23-Aug-2011	25-Aug-2011	23-Aug-2011	25-Aug-2011	25-Aug-2011	23-Aug-2011	23-Aug-2011	23-Aug-2011	22-Aug-2011	22-Aug-2011

Lab Sample No(s)	4096370	4096371	4096372	4096416	4096417	4096419	4096399	4096400	4096401	4096354
Customer Sample Ref.	DUP 5 E	DUP 5 E	DUP 5 E	DUP 36 E	DUP 36 E	DUP 36 E	DUP 41 E	DUP 41 E	DUP 41 E	DUP 1 N
AGS Ref.										
Depth	0.50	1.00	1.80	0.30	1.10	3.00	0.30	1.30	2.30	0.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos Identification (Soil)										18-Aug-2011
EPH CWG (Aliphatic) GC (S)	22-Aug-2011	18-Aug-2011	19-Aug-2011	19-Aug-2011	19-Aug-2011	19-Aug-2011	19-Aug-2011	19-Aug-2011	19-Aug-2011	
EPH CWG (Aromatic) GC (S)	22-Aug-2011	18-Aug-2011	19-Aug-2011	18-Aug-2011	19-Aug-2011	19-Aug-2011	19-Aug-2011	19-Aug-2011	19-Aug-2011	
GRO by GC-FID (S)	22-Aug-2011	22-Aug-2011	22-Aug-2011	22-Aug-2011	24-Aug-2011	23-Aug-2011	24-Aug-2011	24-Aug-2011	22-Aug-2011	
Metals by iCap-OES (Soil)	18-Aug-2011			22-Aug-2011	18-Aug-2011		18-Aug-2011	18-Aug-2011		
pH				17-Aug-2011						
Sample description	16-Aug-2011	16-Aug-2011	16-Aug-2011	16-Aug-2011	16-Aug-2011	16-Aug-2011	16-Aug-2011	16-Aug-2011	16-Aug-2011	
Semi Volatile Organic Compounds	21-Aug-2011	21-Aug-2011	21-Aug-2011	21-Aug-2011	21-Aug-2011	21-Aug-2011	21-Aug-2011	21-Aug-2011	21-Aug-2011	
TPH CWG GC (S)	22-Aug-2011	22-Aug-2011	22-Aug-2011	22-Aug-2011	24-Aug-2011	23-Aug-2011	24-Aug-2011	24-Aug-2011	22-Aug-2011	
VOC MS (S)	23-Aug-2011	23-Aug-2011	22-Aug-2011	22-Aug-2011	23-Aug-2011	22-Aug-2011	25-Aug-2011	23-Aug-2011	22-Aug-2011	

Lab Sample No(s)	4096355	4096356	4096361	4096362	4096363	4096385	4096386	4096389	4096390	4096364
Customer Sample Ref.	DUP 1 N	DUP 1 N	DUP 2 N	DUP 2 N	DUP 2 N	DUP 33 N	DUP 33 N	DUP 36 N	DUP 36 N	DUP 2 S
AGS Ref.										
Depth	1.30	2.30	0.20	0.60	1.50	0.30	0.70	0.70	1.50	0.40
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos Identification (Soil)			18-Aug-2011			18-Aug-2011				
EPH CWG (Aliphatic) GC (S)	19-Aug-2011	19-Aug-2011		19-Aug-2011	18-Aug-2011		18-Aug-2011	22-Aug-2011	19-Aug-2011	19-Aug-2011
EPH CWG (Aromatic) GC (S)	19-Aug-2011	19-Aug-2011		19-Aug-2011	18-Aug-2011		18-Aug-2011	22-Aug-2011	19-Aug-2011	19-Aug-2011
GRO by GC-FID (S)	23-Aug-2011	23-Aug-2011		23-Aug-2011	23-Aug-2011		23-Aug-2011	23-Aug-2011	23-Aug-2011	23-Aug-2011
Metals by iCap-OES (Soil)				18-Aug-2011	18-Aug-2011	22-Aug-2011	22-Aug-2011	22-Aug-2011		18-Aug-2011
pH	16-Aug-2011	16-Aug-2011								
Sample description	16-Aug-2011	16-Aug-2011		16-Aug-2011	16-Aug-2011	19-Aug-2011	16-Aug-2011	16-Aug-2011	16-Aug-2011	16-Aug-2011
Semi Volatile Organic Compounds	21-Aug-2011	20-Aug-2011		21-Aug-2011	21-Aug-2011		21-Aug-2011	21-Aug-2011	21-Aug-2011	21-Aug-2011
Total Organic Carbon		18-Aug-2011								
TPH CWG GC (S)	23-Aug-2011	23-Aug-2011		23-Aug-2011	23-Aug-2011		23-Aug-2011	23-Aug-2011	23-Aug-2011	23-Aug-2011
VOC MS (S)	23-Aug-2011	23-Aug-2011		23-Aug-2011	23-Aug-2011		23-Aug-2011	23-Aug-2011	23-Aug-2011	23-Aug-2011

Lab Sample No(s)	4096365	4096376	4096382	4096383	4096391	4096392	4096393	4096357	4096358	4096359
Customer Sample Ref.	DUP 2 S	DUP 22 S	DUP 22 S	DUP 22 S	DUP 36 S	DUP 36 S	DUP 36 S	DUP 1 W	DUP 1 W	DUP 1 W
AGS Ref.										
Depth	1.20	0.30	0.80	1.80	0.50	1.50	2.50	0.30	0.70	1.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos Identification (Soil)									18-Aug-2011	
EPH CWG (Aliphatic) GC (S)	18-Aug-2011	19-Aug-2011	18-Aug-2011	18-Aug-2011	19-Aug-2011	19-Aug-2011	19-Aug-2011	22-Aug-2011		18-Aug-2011
EPH CWG (Aromatic) GC (S)	18-Aug-2011	19-Aug-2011	18-Aug-2011	18-Aug-2011	19-Aug-2011	19-Aug-2011	19-Aug-2011	22-Aug-2011		18-Aug-2011
GRO by GC-FID (S)	23-Aug-2011	22-Aug-2011	24-Aug-2011	24-Aug-2011	23-Aug-2011	24-Aug-2011	23-Aug-2011	23-Aug-2011		23-Aug-2011
Metals by iCap-OES (Soil)		18-Aug-2011	18-Aug-2011		18-Aug-2011	18-Aug-2011		18-Aug-2011		18-Aug-2011
pH								16-Aug-2011		
Sample description	16-Aug-2011	16-Aug-2011	16-Aug-2011	16-Aug-2011	16-Aug-2011	16-Aug-2011	16-Aug-2011	16-Aug-2011		16-Aug-2011
Semi Volatile Organic Compounds	21-Aug-2011	21-Aug-2011	21-Aug-2011	21-Aug-2011	21-Aug-2011	21-Aug-2011		21-Aug-2011		21-Aug-2011
Total Organic Carbon				18-Aug-2011						
TPH CWG GC (S)	23-Aug-2011	22-Aug-2011	24-Aug-2011	24-Aug-2011	23-Aug-2011	24-Aug-2011	23-Aug-2011	23-Aug-2011		23-Aug-2011
VOC MS (S)	23-Aug-2011	22-Aug-2011	25-Aug-2011	23-Aug-2011	23-Aug-2011	23-Aug-2011		23-Aug-2011		23-Aug-2011

CERTIFICATE OF ANALYSIS

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

Lab Sample No(s)	4096368	4096369	4096373	4096374	4096375	4096402	4096403	4096405	4096406	4096407
Customer Sample Ref.	DUP 2 W	DUP 2 W	DUP 5 W	DUP 5 W	DUP 5 W	DUP 41 W	DUP 41 W	DUP 63 W	DUP 63 W	DUP 63 W
AGS Ref.										
Depth	0.40	0.80	0.20	0.80	1.50	0.30	1.00	0.10	0.60	1.60
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos Identification (Soil)	18-Aug-2011		18-Aug-2011							
EPH CWG (Aliphatic) GC (S)		19-Aug-2011		18-Aug-2011	19-Aug-2011	18-Aug-2011	19-Aug-2011	18-Aug-2011	19-Aug-2011	19-Aug-2011
EPH CWG (Aromatic) GC (S)		19-Aug-2011		18-Aug-2011	19-Aug-2011	18-Aug-2011	19-Aug-2011	18-Aug-2011	19-Aug-2011	19-Aug-2011
GRO by GC-FID (S)		22-Aug-2011		22-Aug-2011	22-Aug-2011	24-Aug-2011	24-Aug-2011	22-Aug-2011	24-Aug-2011	24-Aug-2011
Metals by iCap-OES (Soil)		18-Aug-2011		18-Aug-2011		19-Aug-2011	18-Aug-2011	18-Aug-2011	18-Aug-2011	
Sample description		16-Aug-2011		16-Aug-2011	16-Aug-2011	16-Aug-2011	16-Aug-2011	16-Aug-2011	16-Aug-2011	16-Aug-2011
Semi Volatile Organic Compounds		21-Aug-2011		21-Aug-2011	21-Aug-2011	21-Aug-2011	21-Aug-2011	21-Aug-2011	21-Aug-2011	21-Aug-2011
Total Organic Carbon					18-Aug-2011					
TPH CWG GC (S)		22-Aug-2011		22-Aug-2011	22-Aug-2011	24-Aug-2011	24-Aug-2011	22-Aug-2011	24-Aug-2011	24-Aug-2011
VOC MS (S)		22-Aug-2011		22-Aug-2011	23-Aug-2011	23-Aug-2011	23-Aug-2011	22-Aug-2011	23-Aug-2011	23-Aug-2011

Lab Sample No(s)	4096395	4096396	4096397	4096398
Customer Sample Ref.	SP 38 001	SP 38 002	SP 38 003	SP 38 004
AGS Ref.				
Depth				
Type	SOLID	SOLID	SOLID	SOLID
Asbestos Identification (Soil)		18-Aug-2011		18-Aug-2011
EPH CWG (Aliphatic) GC (S)	19-Aug-2011		19-Aug-2011	
EPH CWG (Aromatic) GC (S)	19-Aug-2011		19-Aug-2011	
GRO by GC-FID (S)	24-Aug-2011	31-Aug-2011	22-Aug-2011	31-Aug-2011
Metals by iCap-OES (Soil)	18-Aug-2011		18-Aug-2011	
PAH by GCMS	19-Aug-2011		18-Aug-2011	
pH	16-Aug-2011		16-Aug-2011	
Sample description	16-Aug-2011	30-Aug-2011	16-Aug-2011	30-Aug-2011
Total Organic Carbon	18-Aug-2011		18-Aug-2011	
TPH CWG GC (S)	24-Aug-2011		22-Aug-2011	

SDG:	110812-144	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0156
Job:	H_ATKINS_LDC-55	**Customer:**	Atkins Global Ltd	**Report Number:**	147637
Client Reference:	No Instructions.	**Attention:**	Alex Mann	**Superseded Report:**	

Appendix

1. Results are expressed on a dry weight basis (dried at 35ºC) for all soil analyses except for the following: NRA Leach tests, flash point, ammonium as NH4 by the BRE method, VOC TICS, SVOC TICS, TOF-MS SCAN/SEARCH and TOF-MS 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 both soil jars, tubs and volatile jars. All waters and vials will be discarded 10 days after the analysis is completed (e-mailed). All material removed during an asbestos containing material screen and analysed for the presence of asbestos 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 screened in house for the presence of large asbestos containing material fragments/pieces. If no asbestos containing material is found this will be reported as 'no asbestos containing material detected'. If asbestos containing material is detected it will be removed and analysed by our documented in house method TM048 based on HSG 248 (2005), which is accredited to ISO17025. If asbestos containing material is present no further analysis will be undertaken. At no point is the fibre content of the soil sample determined.

7. If no separate volatile sample is supplied by the client, the integrity of the data may be compromised if the laboratory is required to create a sub-sample from the bulk sample -similarly, if a headspace or sediment is present in the volatile sample. This will be flagged up as an invalid VOC on the test schedule or recorded on the log sheet.

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

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

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

11. Results relate only to the items tested.

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

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

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

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

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

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

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

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

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

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

22. We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials -whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute themajor 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 C4 -C10 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.

SOLID MATRICES EXTRACTION SUMMARY

ANALYSIS	D/C OR WET	EXTRACTION SOLVENT	EXTRACTION METHOD	ANALYSIS
SOLVENT EXTRACTABLE MATTER	D&C	DCM	SOXTHERM	GRAVIMETRIC
CYCLOHEXANE EXT. MATTER	D&C	CYCLOHEXANE	SOXTHERM	GRAVIMETRIC
ELEMENTAL SULPHUR	D&C	DCM	SOXTHERM	HPLC
PHENOLS BY GCMS	WET	DCM	SOXTHERM	GC-MS
HERBICIDES	D&C	HEXANE:ACETONE	SOXTHERM	GC-MS
PESTICIDES	D&C	HEXANE:ACETONE	SOXTHERM	GC-MS
EPH (DRO)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH (MIN OIL)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH (CLEANED UP)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH CWG BY GC	D&C	HEXANE:ACETONE	END OVER END	GC-FID
PCB TOT/PCB CON	D&C	HEXANE:ACETONE	END OVER END	GC-MS
POLYAROMATIC HYDROCARBONS (MS)	WET	HEXANE:ACETONE	MICROWAVE TM218.	GC-MS
C8-C40 (C8-C40) EZ FLASH	WET	HEXANE:ACETONE	SHAKER	GC-EZ
POLYAROMATIC HYDROCARBONS RAPID GC	WET	HEXANE:ACETONE	SHAKER	GC-EZ
SEMI VOLATILE ORGANIC COMPOUNDS	WET	DCM:ACETONE	SONICATE	GC-MS

LIQUID MATRICES EXTRACTION SUMMARY

ANALYSIS	EXTRACTION SOLVENT	EXTRACTION METHOD	ANALYSIS
PAH-MS	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC-MS
EPH	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
EPH CWG	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
MINERAL OIL	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
PCB 7 CONGENERS	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC-MS
PCB TOTAL	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC-MS
SVOC	DCM	LIQUID/LIQUID SHAKE	GC-MS
FREE SULPHUR	DCM	SOLID PHASE EXTRACTION	HPLC
PEST OCP/OPP	DCM	LIQUID/LIQUID SHAKE	GC-MS
TRIAZINE HERBS	DCM	LIQUID/LIQUID SHAKE	GC-MS
PHENOLS-MS	DCM	SOLID PHASE EXTRACTION	GC-MS
TPH by INFRARED (IR)	TCE	LIQUID/LIQUID SHAKE	HPLC
MINERAL OIL by IR	TCE	LIQUID/LIQUID SHAKE	HPLC
GLYCOLS	NONE	DIRECT INJECTION	GC-MS

Identification of Asbestos in Bulk Materials & Soils

The results for identification of asbestos in bulk materials are obtained from supplied bulk materials or those identified as potentially asbestos containing during sample description 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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Attention: Alex Mann

CERTIFICATE OF ANALYSIS

Date:	17 February 2011
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	110210-97
Your Reference:	Dawnus Validation Sample
Location:	Coed Darcy Urban Village
Report No:	116328

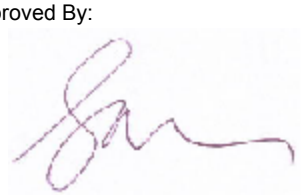
We received 10 samples on Thursday February 10, 2011 and 10 of these samples were scheduled for analysis which was completed on Thursday February 17, 2011. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope 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.

Asbestos testing - we are not accredited for screening soil samples for asbestos fibres. We are only accredited to identify asbestos fibres in bulk material (ACM).

Approved By:



Sonia McWhan

Operations Manager

mCERTS
THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME

UKAS TESTING
1291

GROUP

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CERTIFICATE OF ANALYSIS

SDG:	110210-97	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0091
Job:	H_ATKINS_LDC-100	**Customer:**	Atkins Global Ltd	**Report Number:**	116328
Client Reference:	Dawnus Validation Sample	**Attention:**	Alex Mann	**Superseded Report:**	

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
2844111	DVI 1	ES		09/02/2011
2844125	DVI 10	ES		09/02/2011
2844114	DVI 2	ES		09/02/2011
2844116	DVI 3	ES		09/02/2011
2844117	DVI 4	ES		09/02/2011
2844119	DVI 5	ES		09/02/2011
2844121	DVI 6	ES		09/02/2011
2844122	DVI 7	ES		09/02/2011
2844123	DVI 8	ES		09/02/2011
2844124	DVI 9	ES		09/02/2011

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

CERTIFICATE OF ANALYSIS

SDG:	110210-97	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0091
Job:	H_ATKINS_LDC-100	**Customer:**	Atkins Global Ltd	**Report Number:**	116328
Client Reference:	Dawnus Validation Sample	**Attention:**	Alex Mann	**Superseded Report:**	

SOLID

Results Legend

X **Test**

N **No Determination Possible**

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
			2844111	DVI 1	ES		250g Amber Jar
			2844114	DVI 2	ES		400g Tub
			2844116	DVI 3	ES		250g Amber Jar
			2844117	DVI 4	ES		400g Tub
			2844119	DVI 5	ES		250g Amber Jar
			2844121	DVI 6	ES		400g Tub
			2844122	DVI 7	ES		60g VOC
			2844123	DVI 8	ES		250g Amber Jar
			2844124	DVI 9	ES		400g Tub
			2844125	DVI 10	ES		250g Amber Jar
							400g Tub
							60g VOC
Asbestos Containing Material Screen	All	NDPs: 0 Tests: 10		X		X		X		X		X		X		X		X	
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 2								X								X	
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 2								X								X	
GRO by GC-FID (S)	All	NDPs: 0 Tests: 2									X								X
Metals by iCap-OES (Soil)	Arsenic	NDPs: 0 Tests: 10	X	X	X	X	X	X		X	X	X	X	X	X				
	Cadmium	NDPs: 0 Tests: 10	X	X	X	X	X	X		X	X	X	X	X	X				
	Chromium	NDPs: 0 Tests: 10	X	X	X	X	X	X		X	X	X	X	X	X				
	Copper	NDPs: 0 Tests: 10	X	X	X	X	X	X		X	X	X	X	X	X				
	Lead	NDPs: 0 Tests: 10	X	X	X	X	X	X		X	X	X	X	X	X				
	Mercury	NDPs: 0 Tests: 10	X	X	X	X	X	X		X	X	X	X	X	X				
	Nickel	NDPs: 0 Tests: 10	X	X	X	X	X	X		X	X	X	X	X	X				
	Selenium	NDPs: 0 Tests: 10	X	X	X	X	X	X		X	X	X	X	X	X				
	Vanadium	NDPs: 0 Tests: 10	X	X	X	X	X	X		X	X	X	X	X	X				
	Zinc	NDPs: 0 Tests: 10	X	X	X	X	X	X		X	X	X	X	X	X				
PAH by GCMS	All	NDPs: 0 Tests: 10	X	X	X	X	X	X		X	X	X	X	X	X				

CERTIFICATE OF ANALYSIS

SDG:	110210-97	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0091
Job:	H_ATKINS_LDC-100	**Customer:**	Atkins Global Ltd	**Report Number:**	116328
Client Reference:	Dawnus Validation Sample	**Attention:**	Alex Mann	**Superseded Report:**	

SOLID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)			2844111		2844114		2844116		2844117		2844119			2844121		2844122		2844123		2844124		2844125		
Customer Sample Reference			DVI 1		DVI 2		DVI 3		DVI 4		DVI 5			DVI 6		DVI 7		DVI 8		DVI 9		DVI 10		
AGS Reference			ES		ES		ES		ES		ES			ES		ES		ES		ES		ES		
Depth (m)																								
Container			250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	60g VOC
pH	All	NDPs: 0 Tests: 10		X		X		X		X		X			X		X		X		X		X	
Sample description	All	NDPs: 0 Tests: 10	X		X		X		X		X			X		X		X		X		X		
Total Organic Carbon	All	NDPs: 0 Tests: 10	X		X		X		X		X			X		X		X		X		X		
TPH c6-40 Value of soil	All	NDPs: 0 Tests: 8	X		X		X		X					X		X		X		X				
TPH CWG GC (S)	All	NDPs: 0 Tests: 2									X											X		

CERTIFICATE OF ANALYSIS

SDG:	110210-97	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0091
Job:	H_ATKINS_LDC-100	**Customer:**	Atkins Global Ltd	**Report Number:**	116328
Client Reference:	Dawnus Validation Sample	**Attention:**	Alex Mann	**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
2844111	DVI 1		Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones	None
2844114	DVI 2		Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	None
2844116	DVI 3		Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
2844117	DVI 4		Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	None
2844119	DVI 5		Dark Brown	Sandy Clay	0.063 - 0.1 mm	Stones	None
2844121	DVI 6		Dark Brown	Gravel	2 - 10 mm	Stones	None
2844122	DVI 7		Dark Brown	Clay Loam	2 - 10 mm	Stones	None
2844123	DVI 8		Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	None
2844124	DVI 9		Light Brown	Sandy Clay	0.063 - 0.1 mm	Stones	None
2844125	DVI 10		Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	None

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

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

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

CERTIFICATE OF ANALYSIS

SDG:	110210-97	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0091
Job:	H_ATKINS_LDC-100	**Customer:**	Atkins Global Ltd	**Report Number:**	116328
Client Reference:	Dawnus Validation Sample	**Attention:**	Alex Mann	**Superseded Report:**	

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Non-conforming work.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample R	DVI 1	DVI 2	DVI 3	DVI 4	DVI 5	DVI 6
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	09/02/2011	09/02/2011	09/02/2011	09/02/2011	09/02/2011	09/02/2011
			Date Received	10/02/2011	10/02/2011	10/02/2011	10/02/2011	10/02/2011	10/02/2011
			SDG Ref	110210-97	110210-97	110210-97	110210-97	110210-97	110210-97
			Lab Sample No.(s)	2844111	2844114	2844116	2844117	2844119	2844121
			AGS Reference	ES	ES	ES	ES	ES	ES
Asbestos Containing Material Screen	-	TM001		No ACM Detected	No ACM Detected	No ACM Detected	No ACM Detected	No ACM Detected	No ACM Detected
Organic Carbon, Total	<0.2 %	TM132		1.95 #	0.85 #	2.35 #	2.29 #	1.45 #	1.84 #
pH	1 pH Units	TM133		9.16 M	8.68 M	8.84 M	10.4 M	10.8 M	8.95 #
TPH >C6-C40	<10 mg/kg	TM154		<10 #	59.2 #	550 #	594 #		322 #
Arsenic	<0.6 mg/kg	TM181		8.68 M	10.7 M	15.9 M	8.87 M	16.4 M	7.95 #
Cadmium	<0.02 mg/kg	TM181		1.17 M	<0.02 M	1.28 M	<0.02 M	0.766 M	<0.02 #
Chromium	<0.9 mg/kg	TM181		16 M	17.2 M	20 M	16.6 M	14.6 M	18.5 #
Copper	<1.4 mg/kg	TM181		31.3 M	25.1 M	74.1 M	22.3 M	47.1 M	15.7 #
Lead	<0.7 mg/kg	TM181		23.6 M	45 M	103 M	90.7 M	101 M	26.5 #
Mercury	<0.14 mg/kg	TM181		0.686 M	0.156 M	<0.14 M	0.168 M	<0.14 M	<0.14 #
Nickel	<0.2 mg/kg	TM181		42.1 M	42.5 M	33.1 M	31.6 M	12.3 M	31 #
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		18.7 #	18.1 #	17.6 #	17.3 #	14.5 #	16.2 #
Zinc	<1.9 mg/kg	TM181		85.1 M	128 M	351 M	195 M	236 M	91.5 #

CERTIFICATE OF ANALYSIS

SDG:	110210-97	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0091
Job:	H_ATKINS_LDC-100	**Customer:**	Atkins Global Ltd	**Report Number:**	116328
Client Reference:	Dawnus Validation Sample	**Attention:**	Alex Mann	**Superseded Report:**	

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Non-conforming work.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample R	DVI 7	DVI 8	DVI 9	DVI 10		
			Depth (m)	.	.	.	.		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	09/02/2011	09/02/2011	09/02/2011	09/02/2011		
			Date Received	10/02/2011	10/02/2011	10/02/2011	10/02/2011		
			SDG Ref	110210-97	110210-97	110210-97	110210-97		
			Lab Sample No.(s)	2844122	2844123	2844124	2844125		
			AGS Reference	ES	ES	ES	ES		
Asbestos Containing Material Screen	-	TM001		No ACM Detected	No ACM Detected	No ACM Detected	No ACM Detected		
Organic Carbon, Total	<0.2 %	TM132		2.17 #	3.39 #	0.57 #	2.04 #		
pH	1 pH Units	TM133		7.19 M	8.27 M	8.93 M	10 M		
TPH >C6-C40	<10 mg/kg	TM154		114 #	150 #	435 #			
Arsenic	<0.6 mg/kg	TM181		8.84 M	10.9 M	5.11 M	10.8 M		
Cadmium	<0.02 mg/kg	TM181		0.961 M	<0.02 M	2.12 M	<0.02 M		
Chromium	<0.9 mg/kg	TM181		18.7 M	27 M	15.2 M	19.1 M		
Copper	<1.4 mg/kg	TM181		16.7 M	36.3 M	11.5 M	30.1 M		
Lead	<0.7 mg/kg	TM181		23.7 M	46.6 M	22.3 M	79.7 M		
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	0.481 M		
Nickel	<0.2 mg/kg	TM181		18.8 M	75.3 M	51.3 M	34.7 M		
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #		
Vanadium	<0.2 mg/kg	TM181		30.4 #	24.9 #	15.7 #	17.2 #		
Zinc	<1.9 mg/kg	TM181		50.2 M	147 M	102 M	135 M		

CERTIFICATE OF ANALYSIS

SDG:	110210-97	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0091
Job:	H_ATKINS_LDC-100	**Customer:**	Atkins Global Ltd	**Report Number:**	116328
Client Reference:	Dawnus Validation Sample	**Attention:**	Alex Mann	**Superseded Report:**	

PAH by GCMS

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Non-conforming work.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample R	DVI 1	DVI 2	DVI 3	DVI 4	DVI 5	DVI 6
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	09/02/2011	09/02/2011	09/02/2011	09/02/2011	09/02/2011	09/02/2011
			Date Received	10/02/2011	10/02/2011	10/02/2011	10/02/2011	10/02/2011	10/02/2011
			SDG Ref	110210-97	110210-97	110210-97	110210-97	110210-97	110210-97
			Lab Sample No.(s)	2844111	2844114	2844116	2844117	2844119	2844121
			AGS Reference	ES	ES	ES	ES	ES	ES
Naphthalene-d8 % recovery**	%	TM218		97.1	98.4	99.8	93.6	97.2	96.6
Acenaphthene-d10 % recovery**	%	TM218		96.8	98.6	99.3	93.5	96.9	96.5
Phenanthrene-d10 % recovery**	%	TM218		93.5	98.8	101	93.6	92.9	93.2
Chrysene-d12 % recovery**	%	TM218		95.4	99.4	99.8	94.2	96.6	95.5
Perylene-d12 % recovery**	%	TM218		96.4	102	106	96.7	99.8	95.5
Naphthalene	<9 µg/kg	TM218		38.8 M	36.2 M	79 M	50 M	84.7 M	40 #
Acenaphthylene	<12 µg/kg	TM218		<12 M	21.6 M	88.9 M	20.3 M	125 M	28.7 #
Acenaphthene	<8 µg/kg	TM218		<8 M	31 M	86.2 M	24.3 M	125 M	20 #
Fluorene	<10 µg/kg	TM218		<10 M	39.1 M	103 M	30.4 M	150 M	29.7 #
Phenanthrene	<15 µg/kg	TM218		116 M	302 M	648 M	249 M	1030 M	302 #
Anthracene	<16 µg/kg	TM218		<16 M	66.6 M	181 M	46.4 M	294 M	64 #
Fluoranthene	<17 µg/kg	TM218		40.5 M	405 M	1060 M	302 M	1780 M	393 #
Pyrene	<15 µg/kg	TM218		39.8 M	315 M	816 M	240 M	1410 M	320 #
Benz(a)anthracene	<14 µg/kg	TM218		23.6 M	319 M	707 M	236 M	1070 M	221 #
Chrysene	<10 µg/kg	TM218		87.6 M	336 M	712 M	293 M	1060 M	243 #
Benzo(b)fluoranthene	<15 µg/kg	TM218		78.4 M	478 M	1100 M	430 M	1710 M	281 #
Benzo(k)fluoranthene	<14 µg/kg	TM218		16.9 M	174 M	413 M	146 M	606 M	104 #
Benzo(a)pyrene	<15 µg/kg	TM218		26.8 M	333 M	781 M	278 M	1240 M	174 #
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		21 M	222 M	513 M	198 M	793 M	109 #
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	91.8 M	190 M	83.8 M	308 M	38.7 #
Benzo(g,h,i)perylene	<24 µg/kg	TM218		28.8 M	273 M	629 M	245 M	1020 M	141 #
Polyaromatic hydrocarbons, Total	<118 µg/kg	TM218		518 M	3440 M	8110 M	2870 M	12800 M	2510 #

CERTIFICATE OF ANALYSIS

SDG:	110210-97	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0091
Job:	H_ATKINS_LDC-100	**Customer:**	Atkins Global Ltd	**Report Number:**	116328
Client Reference:	Dawnus Validation Sample	**Attention:**	Alex Mann	**Superseded Report:**	

PAH by GCMS

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Non-conforming work.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample R	DVI 7	DVI 8	DVI 9	DVI 10		
			Depth (m)	.	.	.	.		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	09/02/2011	09/02/2011	09/02/2011	09/02/2011		
			Date Received	10/02/2011	10/02/2011	10/02/2011	10/02/2011		
			SDG Ref	110210-97	110210-97	110210-97	110210-97		
			Lab Sample No.(s)	2844122	2844123	2844124	2844125		
			AGS Reference	ES	ES	ES	ES		
Naphthalene-d8 % recovery**	%	TM218		98.9	96.8	98.1	95.8		
Acenaphthene-d10 % recovery**	%	TM218		99	96.7	98.9	95.8		
Phenanthrene-d10 % recovery**	%	TM218		94.8	92.9	94.8	95.4		
Chrysene-d12 % recovery**	%	TM218		95.1	94.4	98.4	99.5		
Perylene-d12 % recovery**	%	TM218		93.1	93.9	102	98.4		
Naphthalene	<9 µg/kg	TM218		95.6 M	95.1 M	53.7 M	102 M		
Acenaphthylene	<12 µg/kg	TM218		<12 M	13.5 M	34.8 M	41.9 M		
Acenaphthene	<8 µg/kg	TM218		<8 M	13.8 M	91.6 M	43.6 M		
Fluorene	<10 µg/kg	TM218		11.9 M	20.7 M	86.4 M	49.3 M		
Phenanthrene	<15 µg/kg	TM218		401 M	331 M	466 M	372 M		
Anthracene	<16 µg/kg	TM218		<16 M	24.1 M	169 M	105 M		
Fluoranthene	<17 µg/kg	TM218		30.9 M	239 M	702 M	767 M		
Pyrene	<15 µg/kg	TM218		35.9 M	215 M	605 M	747 M		
Benz(a)anthracene	<14 µg/kg	TM218		26.3 M	157 M	447 M	515 M		
Chrysene	<10 µg/kg	TM218		193 M	237 M	386 M	526 M		
Benzo(b)fluoranthene	<15 µg/kg	TM218		153 M	330 M	591 M	817 M		
Benzo(k)fluoranthene	<14 µg/kg	TM218		19.3 M	93.4 M	214 M	262 M		
Benzo(a)pyrene	<15 µg/kg	TM218		18 M	187 M	447 M	571 M		
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		25.4 M	136 M	256 M	367 M		
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	52.1 M	93.9 M	138 M		
Benzo(g,h,i)perylene	<24 µg/kg	TM218		34.5 M	177 M	315 M	448 M		
Polyaromatic hydrocarbons, Total	<118 µg/kg	TM218		1050 M	2320 M	4960 M	5870 M		

CERTIFICATE OF ANALYSIS

SDG:	110210-97	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0091
Job:	H_ATKINS_LDC-100	**Customer:**	Atkins Global Ltd	**Report Number:**	116328
Client Reference:	Dawnus Validation Sample	**Attention:**	Alex Mann	**Superseded Report:**	

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Non-conforming work.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample R	DVI 5	DVI 10				
			Depth (m)	.	.				
			Sample Type	Soil/Solid	Soil/Solid				
			Date Sampled	09/02/2011	09/02/2011				
			Date Received	10/02/2011	10/02/2011				
			SDG Ref	110210-97	110210-97				
			Lab Sample No.(s)	2844119	2844125				
			AGS Reference	ES	ES				
GRO Surrogate % recovery**	%	TM089		49	28				
GRO >C5-C12	<44 µg/kg	TM089		60.1	1520				
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 #	<5 #				
Benzene	<10 µg/kg	TM089		<10 M	<10 M				
Toluene	<2 µg/kg	TM089		11.8 M	8.52 M				
Ethylbenzene	<3 µg/kg	TM089		7.51 M	13.8 M				
m,p-Xylene	<6 µg/kg	TM089		<6 M	9.59 M				
o-Xylene	<3 µg/kg	TM089		<3 M	7.46 M				
m,p,o-Xylene	<10 µg/kg	TM089		<10	17				
BTEX, Total	<10 µg/kg	TM089		19.3	39.4				
Aliphatics >C5-C6	<10 µg/kg	TM089		<10	23.4				
Aliphatics >C6-C8	<10 µg/kg	TM089		11.8	94.8				
Aliphatics >C8-C10	<10 µg/kg	TM089		<10	197				
Aliphatics >C10-C12	<10 µg/kg	TM089		<10	613				
Aliphatics >C12-C16	<100 µg/kg	TM173		9000	15200				
Aliphatics >C16-C21	<100 µg/kg	TM173		54700	14900				
Aliphatics >C21-C35	<100 µg/kg	TM173		261000	52100				
Aliphatics >C35-C44	<100 µg/kg	TM173		168000	24900				
Total Aliphatics >C12-C44	<100 µg/kg	TM173		493000	107000				
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10				
Aromatics >EC7-EC8	<10 µg/kg	TM089		11.8	<10				
Aromatics >EC8-EC10	<10 µg/kg	TM089		15	163				
Aromatics >EC10-EC12	<10 µg/kg	TM089		<10	409				
Aromatics >EC12-EC16	<100 µg/kg	TM173		4430	12000				
Aromatics >EC16-EC21	<100 µg/kg	TM173		6150	12400				
Aromatics >EC21-EC35	<100 µg/kg	TM173		99800	112000				
Aromatics >EC35-EC44	<100 µg/kg	TM173		236000	68800				
Aromatics >EC40-EC44	<100 µg/kg	TM173		122000	30400				
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		347000	205000				
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		840000	314000				
Total Aliphatics >C5-35	<100 µg/kg	TM173		325000	83200				
Total Aromatics >C5-35	<100 µg/kg	TM173		110000	137000				
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		435000	220000				

CERTIFICATE OF ANALYSIS

SDG:	110210-97	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0091
Job:	H_ATKINS_LDC-100	**Customer:**	Atkins Global Ltd	**Report Number:**	116328
Client Reference:	Dawnus Validation Sample	**Attention:**	Alex Mann	**Superseded Report:**	

Table of Results - Appendix

REPORT KEY

Results expressed as (e.g.) 1.03E-07 is equivalent to 1.03x10-7

NDP	No Determination Possible	#	ISO 17025 Accredited	*	Subcontracted Test	M	MCERTS Accredited
NFD	No Fibres Detected	PFD	Possible Fibres Detected	»	Result previously reported (Incremental reports only)	EC	Equivalent Carbon (Aromatics C8-C35)

Note: Method detection limits are not always achievable due to various circumstances beyond our control

Method No	Reference	Description	Wet/Dry Sample [1]	Surrogate Corrected
PM001		Preparation of Samples for Metals Analysis		
PM024	Modified BS 1377	Soil preparation including homogenisation, moisture screens of soils for Asbestos Containing Material		
TM001	In - house Method	Determination of asbestos containing material by screening on solids		
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		
TM154	In - house Method	Determination of Petroleum Hydrocarbons by EZ Flash GC-FID in the Carbon range C6- C40		
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:	110210-97	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0091
Job:	H_ATKINS_LDC-100	**Customer:**	Atkins Global Ltd	**Report Number:**	116328
Client Reference:	Dawnus Validation Sample	**Attention:**	Alex Mann	**Superseded Report:**	

Test Completion Dates

Lab Sample No(s)	2844111	2844114	2844116	2844117	2844119	2844121	2844122	2844123	2844124	2844125
Customer Sample Ref.	DVI 1	DVI 2	DVI 3	DVI 4	DVI 5	DVI 6	DVI 7	DVI 8	DVI 9	DVI 10
AGS Ref.	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Depth										
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos Containing Material Screen	12-Feb-2011	12-Feb-2011	12-Feb-2011	12-Feb-2011	12-Feb-2011	12-Feb-2011	12-Feb-2011	12-Feb-2011	12-Feb-2011	12-Feb-2011
EPH CWG (Aliphatic) GC (S)					16-Feb-2011					16-Feb-2011
EPH CWG (Aromatic) GC (S)					16-Feb-2011					16-Feb-2011
GRO by GC-FID (S)					15-Feb-2011					15-Feb-2011
Metals by iCap-OES (Soil)	16-Feb-2011	16-Feb-2011	17-Feb-2011	16-Feb-2011	16-Feb-2011	16-Feb-2011	16-Feb-2011	16-Feb-2011	16-Feb-2011	16-Feb-2011
PAH by GCMS	15-Feb-2011	15-Feb-2011	15-Feb-2011	15-Feb-2011	15-Feb-2011	15-Feb-2011	15-Feb-2011	15-Feb-2011	15-Feb-2011	16-Feb-2011
pH	14-Feb-2011	14-Feb-2011	14-Feb-2011	14-Feb-2011	14-Feb-2011	14-Feb-2011	14-Feb-2011	14-Feb-2011	14-Feb-2011	14-Feb-2011
Sample description	13-Feb-2011	13-Feb-2011	13-Feb-2011	13-Feb-2011	13-Feb-2011	13-Feb-2011	13-Feb-2011	13-Feb-2011	13-Feb-2011	13-Feb-2011
Total Organic Carbon	15-Feb-2011	16-Feb-2011	15-Feb-2011	16-Feb-2011	15-Feb-2011	16-Feb-2011	16-Feb-2011	16-Feb-2011	16-Feb-2011	16-Feb-2011
TPH c6-40 Value of soil	16-Feb-2011	16-Feb-2011	16-Feb-2011	16-Feb-2011		16-Feb-2011	16-Feb-2011	16-Feb-2011	16-Feb-2011	
TPH CWG GC (S)					16-Feb-2011					16-Feb-2011

CERTIFICATE OF ANALYSIS

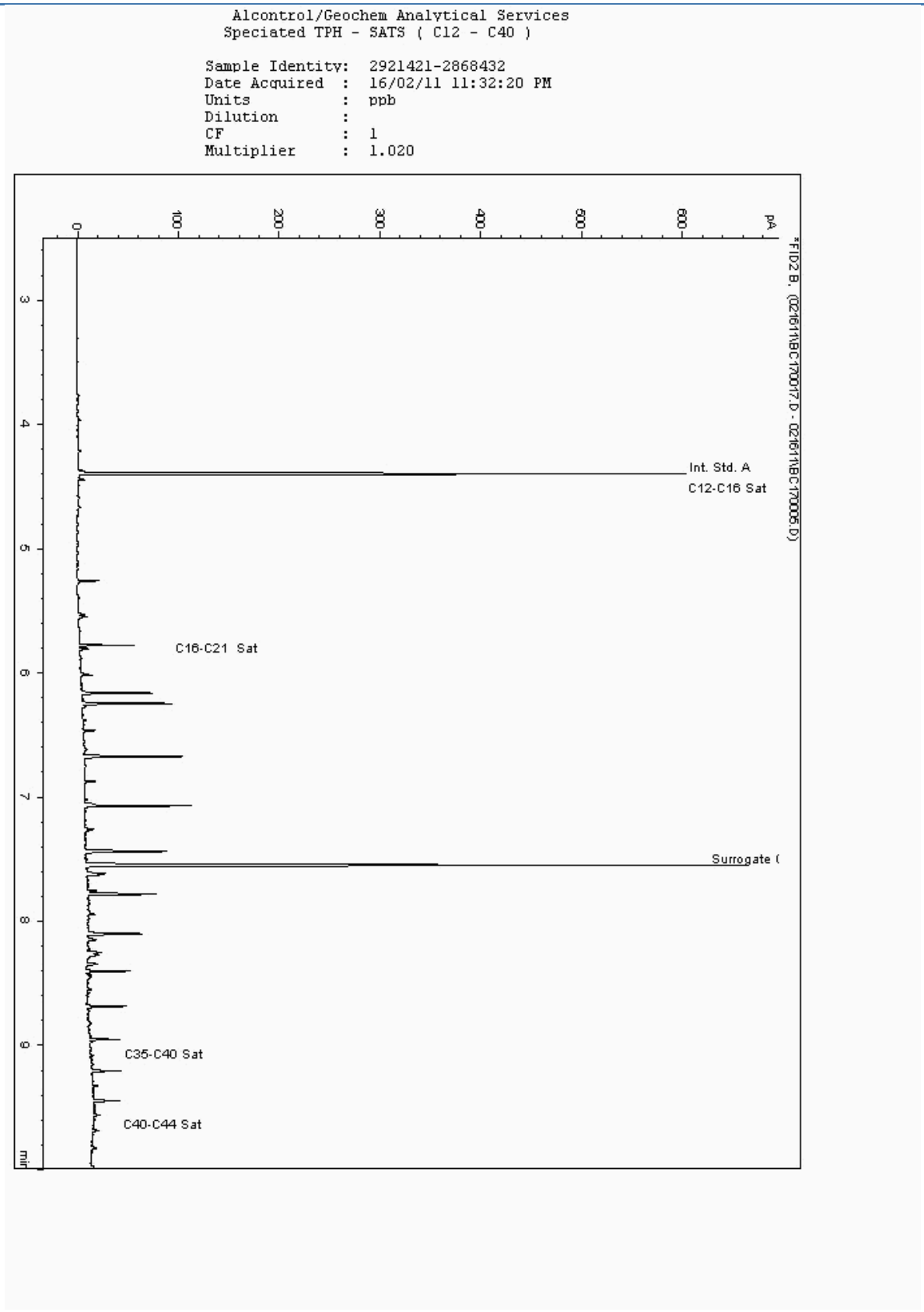
SDG:	110210-97	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0091
Job:	H_ATKINS_LDC-100	**Customer:**	Atkins Global Ltd	**Report Number:**	116328
Client Reference:	Dawnus Validation Sample	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 2868432
Sample ID : DVI 5

Depth :



CERTIFICATE OF ANALYSIS

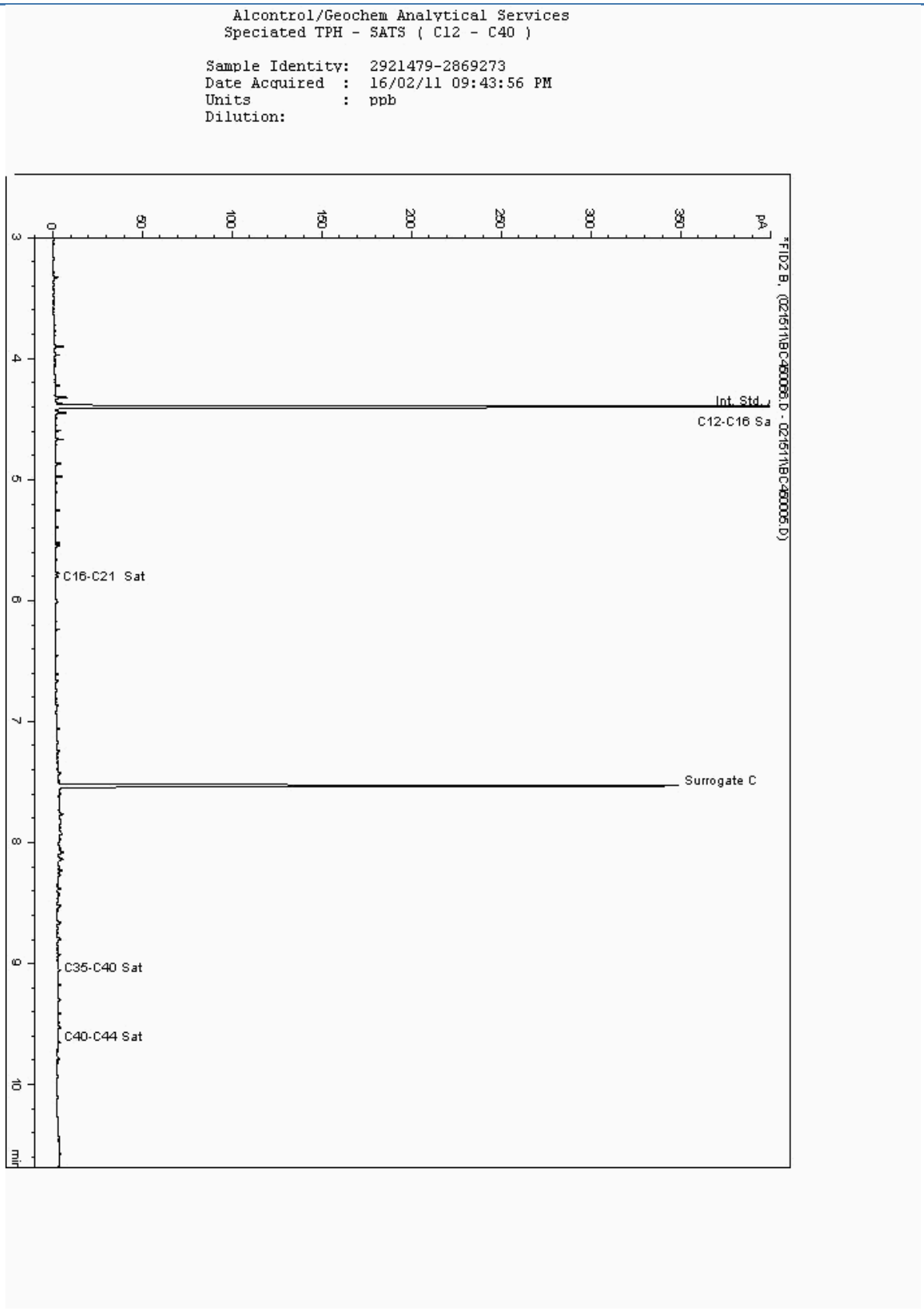
SDG:	110210-97	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0091
Job:	H_ATKINS_LDC-100	**Customer:**	Atkins Global Ltd	**Report Number:**	116328
Client Reference:	Dawnus Validation Sample	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 2869273
Sample ID : DVI 10

Depth :

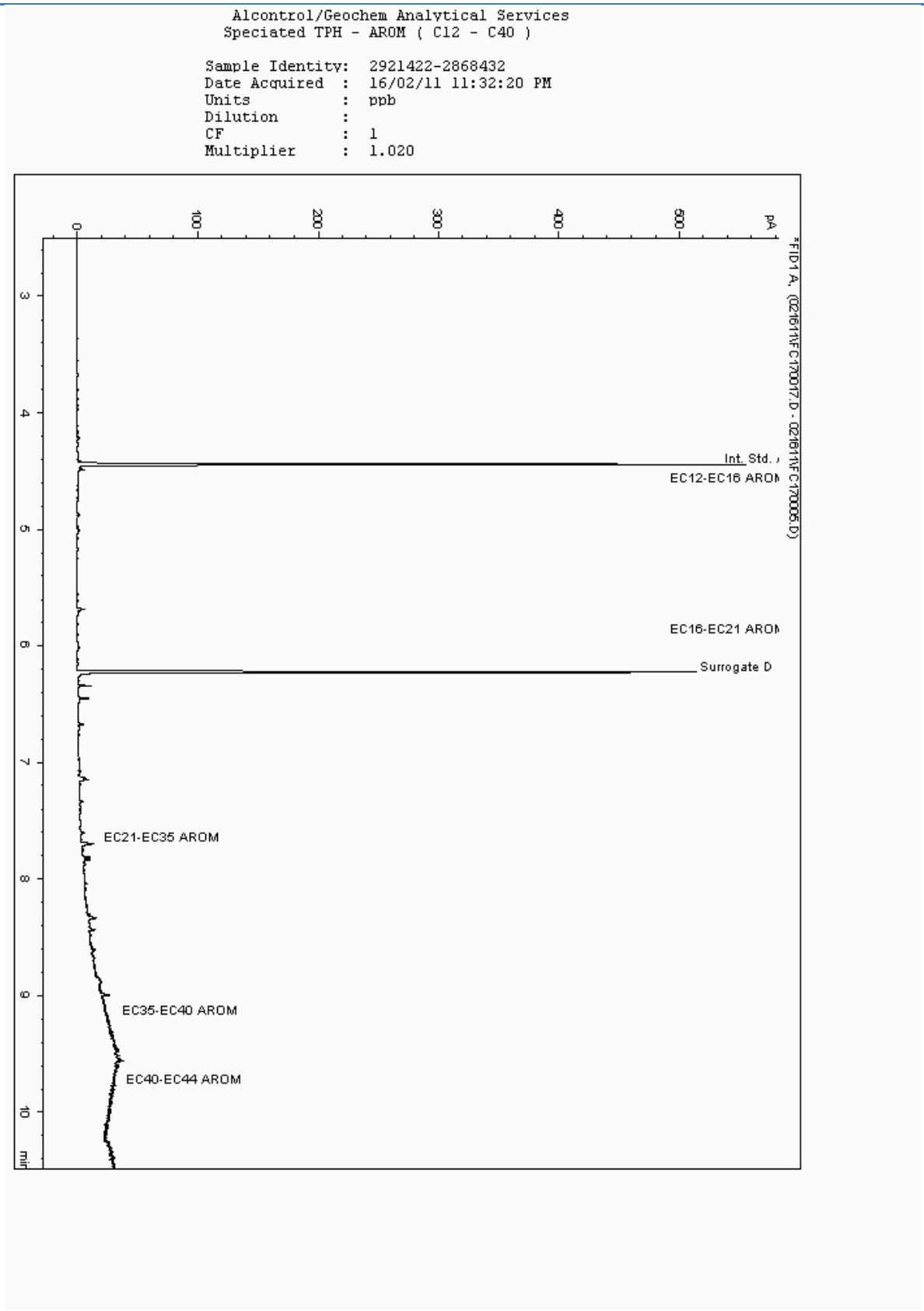


CERTIFICATE OF ANALYSIS

SDG:	110210-97	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0091
Job:	H_ATKINS_LDC-100	**Customer:**	Atkins Global Ltd	**Report Number:**	116328
Client Reference:	Dawnus Validation Sample	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 2868432 **Depth :**
Sample ID : DVI 5



CERTIFICATE OF ANALYSIS

SDG:	110210-97	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0091
Job:	H_ATKINS_LDC-100	**Customer:**	Atkins Global Ltd	**Report Number:**	116328
Client Reference:	Dawnus Validation Sample	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

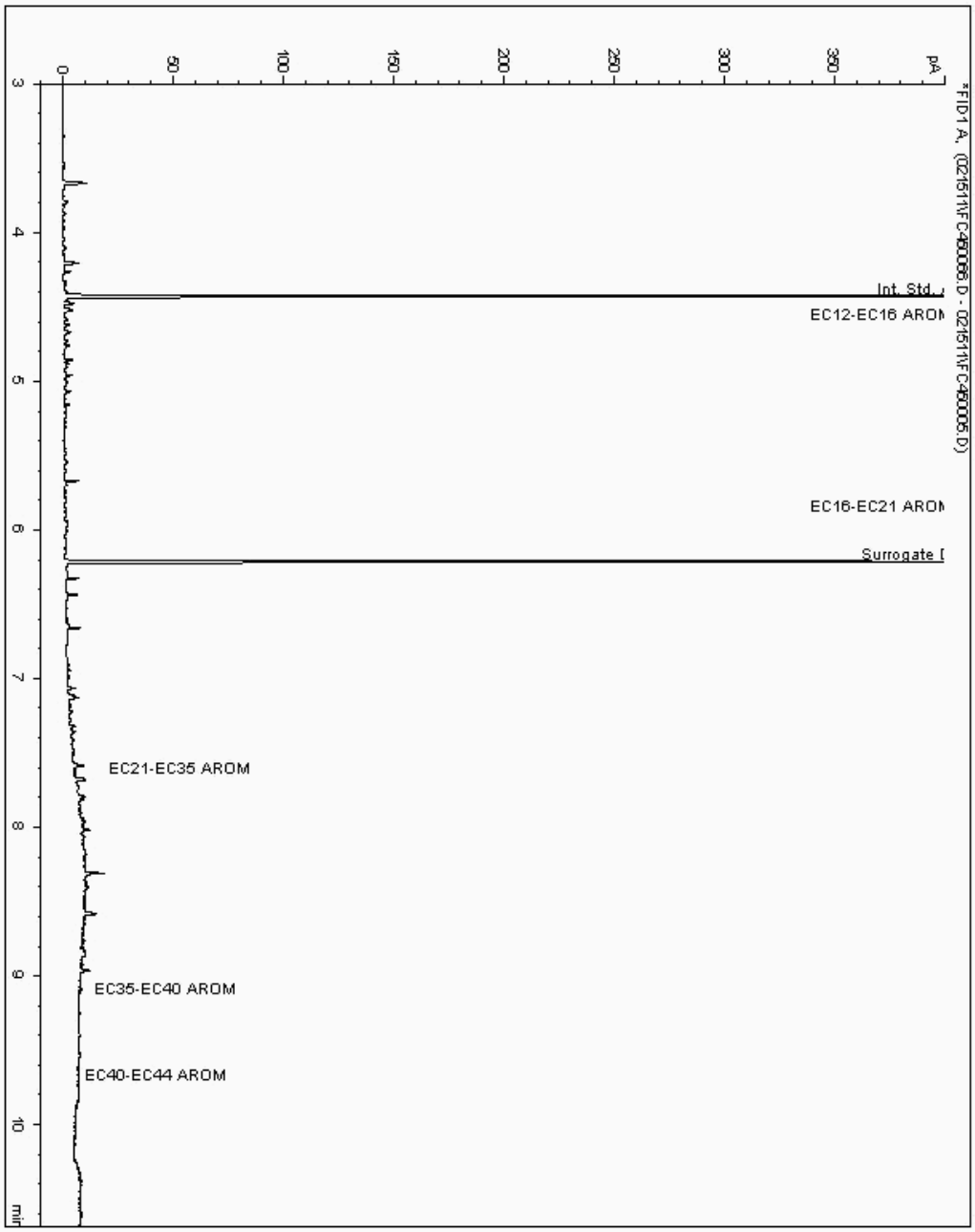
Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 2869273
Sample ID : DVI 10

Depth :

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 2921480-2869273
Date Acquired : 16/02/11 09:43:56 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

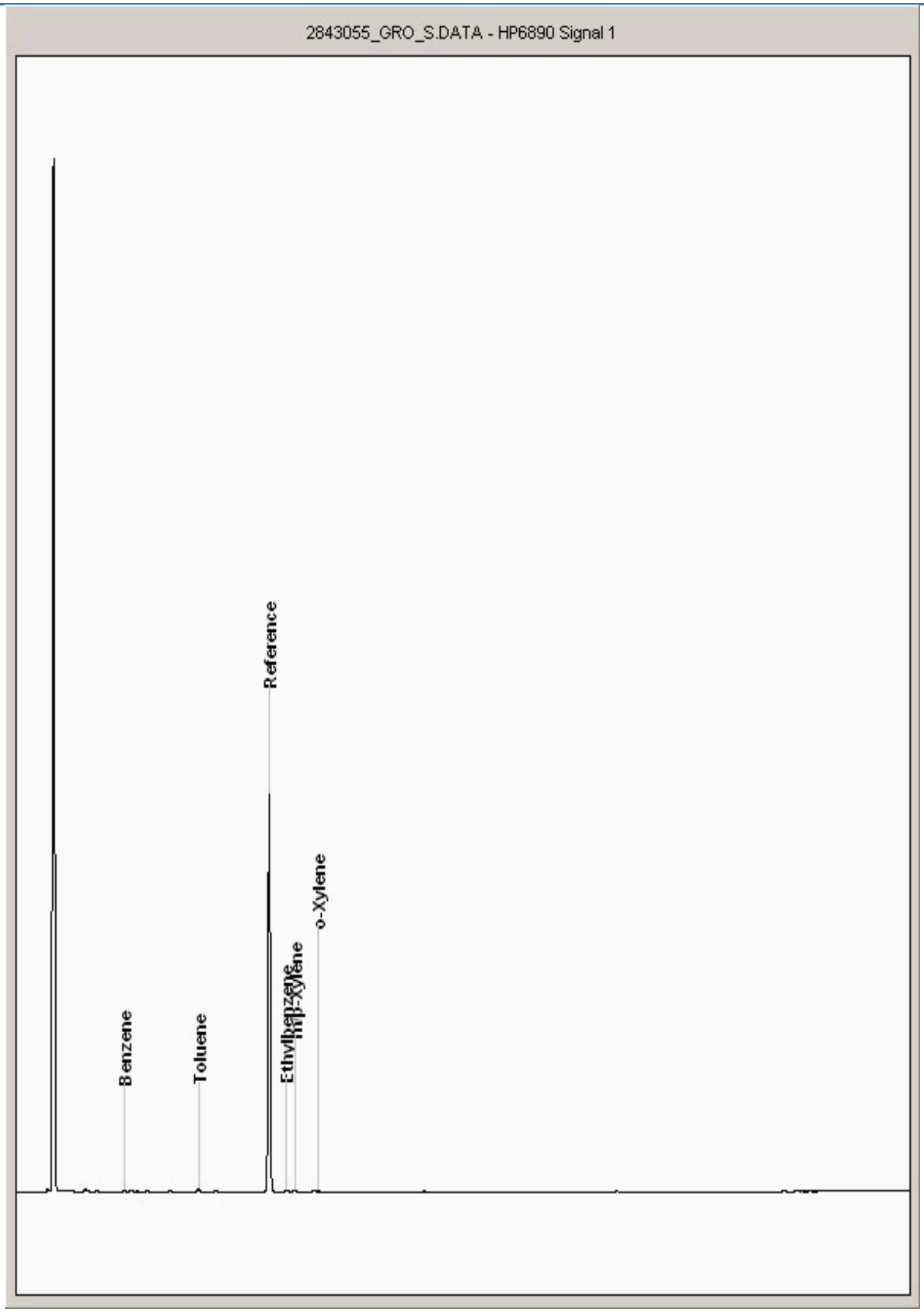
SDG:	110210-97	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0091
Job:	H_ATKINS_LDC-100	**Customer:**	Atkins Global Ltd	**Report Number:**	116328
Client Reference:	Dawnus Validation Sample	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 2843055
Sample ID : DVI 5

Depth :



CERTIFICATE OF ANALYSIS

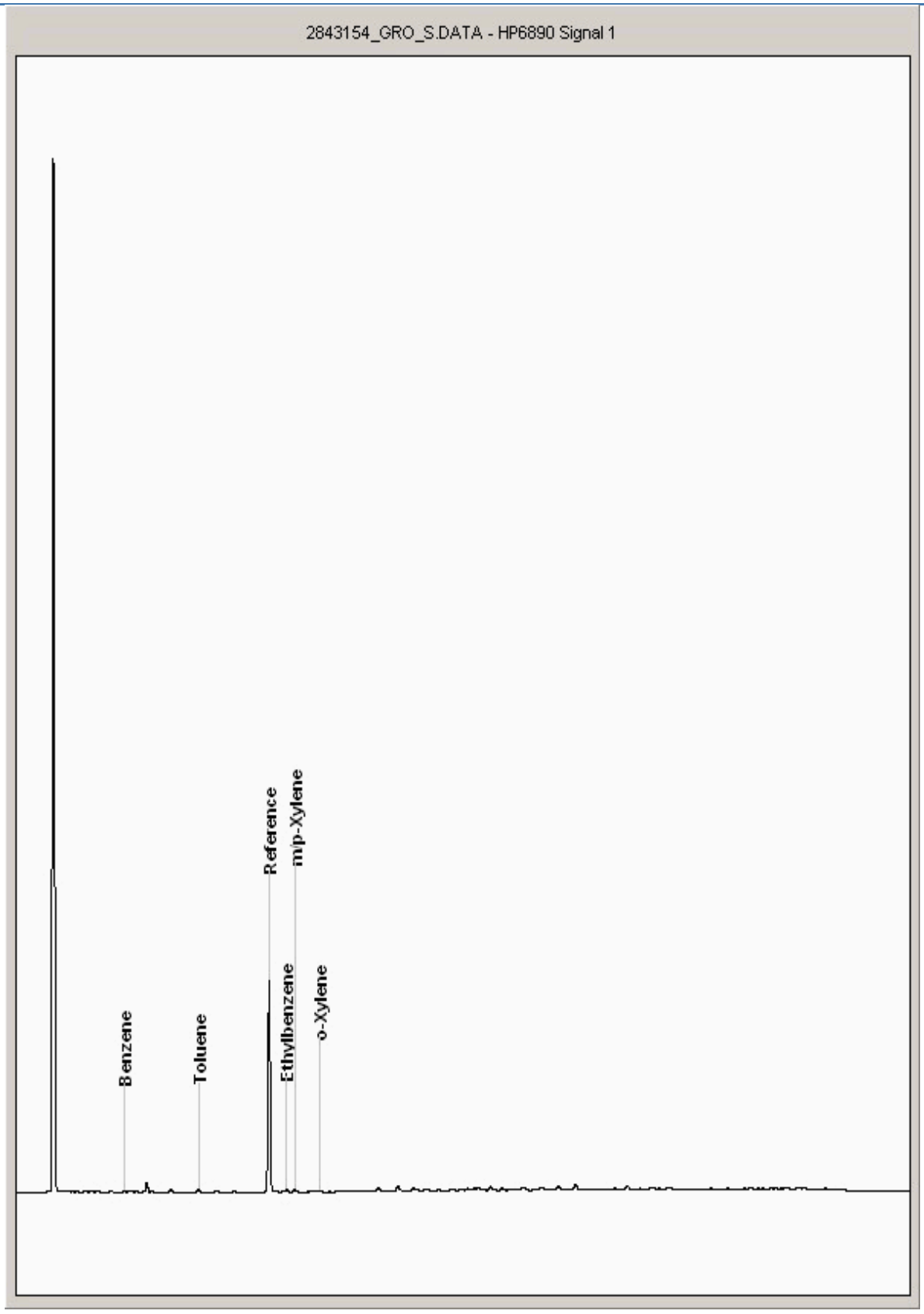
SDG:	110210-97	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0091
Job:	H_ATKINS_LDC-100	**Customer:**	Atkins Global Ltd	**Report Number:**	116328
Client Reference:	Dawnus Validation Sample	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 2843154
Sample ID : DVI 10

Depth :



CERTIFICATE OF ANALYSIS

SDG:	110210-97	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0091
Job:	H_ATKINS_LDC-100	**Customer:**	Atkins Global Ltd	**Report Number:**	116328
Client Reference:	Dawnus Validation Sample	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

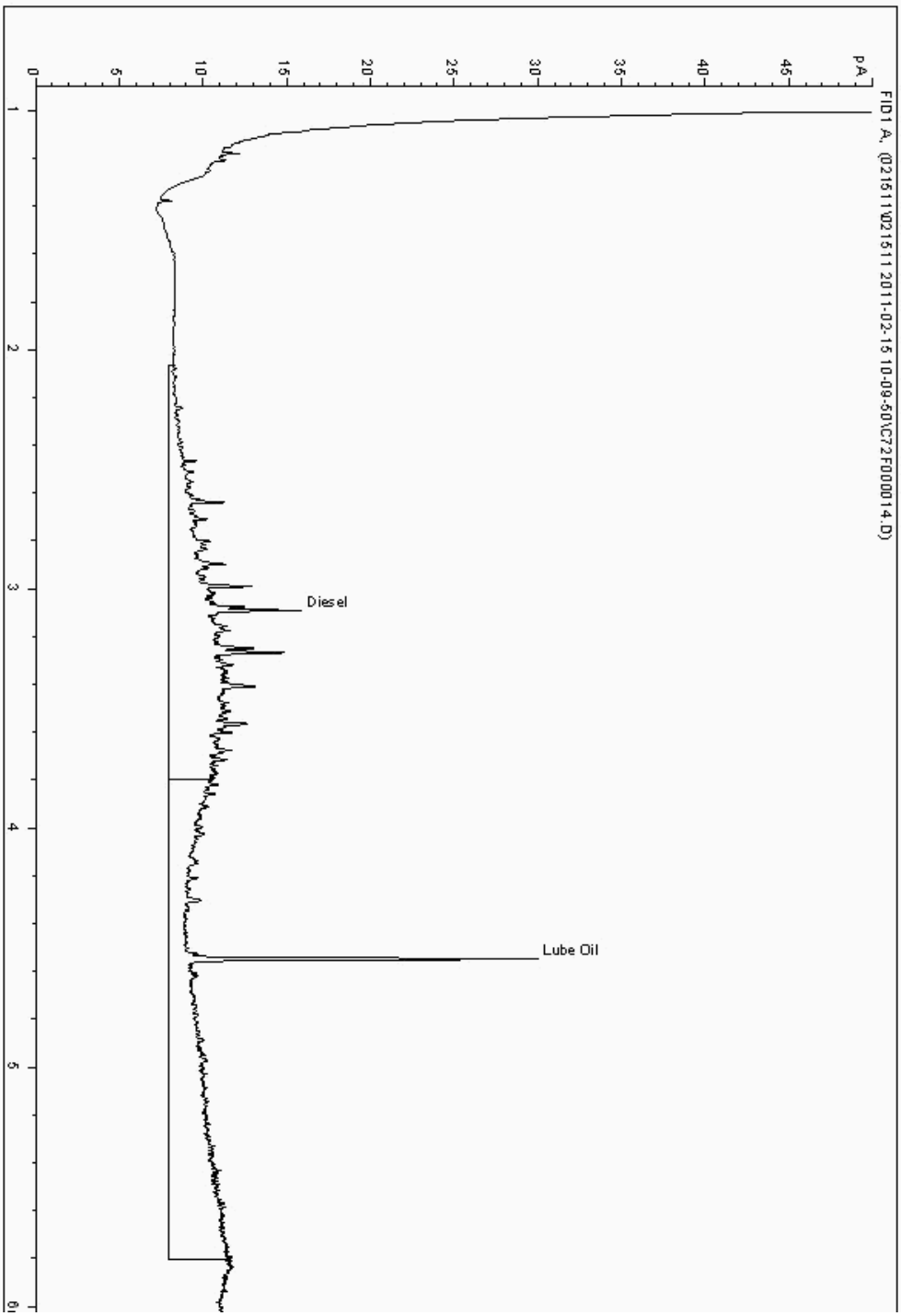
Analysis: TPH c6-40 Value of soil

Sample No : 2860835
Sample ID : DVI 9

Depth :

Alcontrol/Geochem Analytical Services
Flash GC TM154 (C6 - C40)

Sample Identity : 2921466-2860835
Date Acquired : 15/02/11 12:57:05
Units : mg/kg
Sample Multiplier : 1.712
Dilution : 1.000
Download class :



CERTIFICATE OF ANALYSIS

SDG:	110210-97	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0091
Job:	H_ATKINS_LDC-100	**Customer:**	Atkins Global Ltd	**Report Number:**	116328
Client Reference:	Dawnus Validation Sample	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

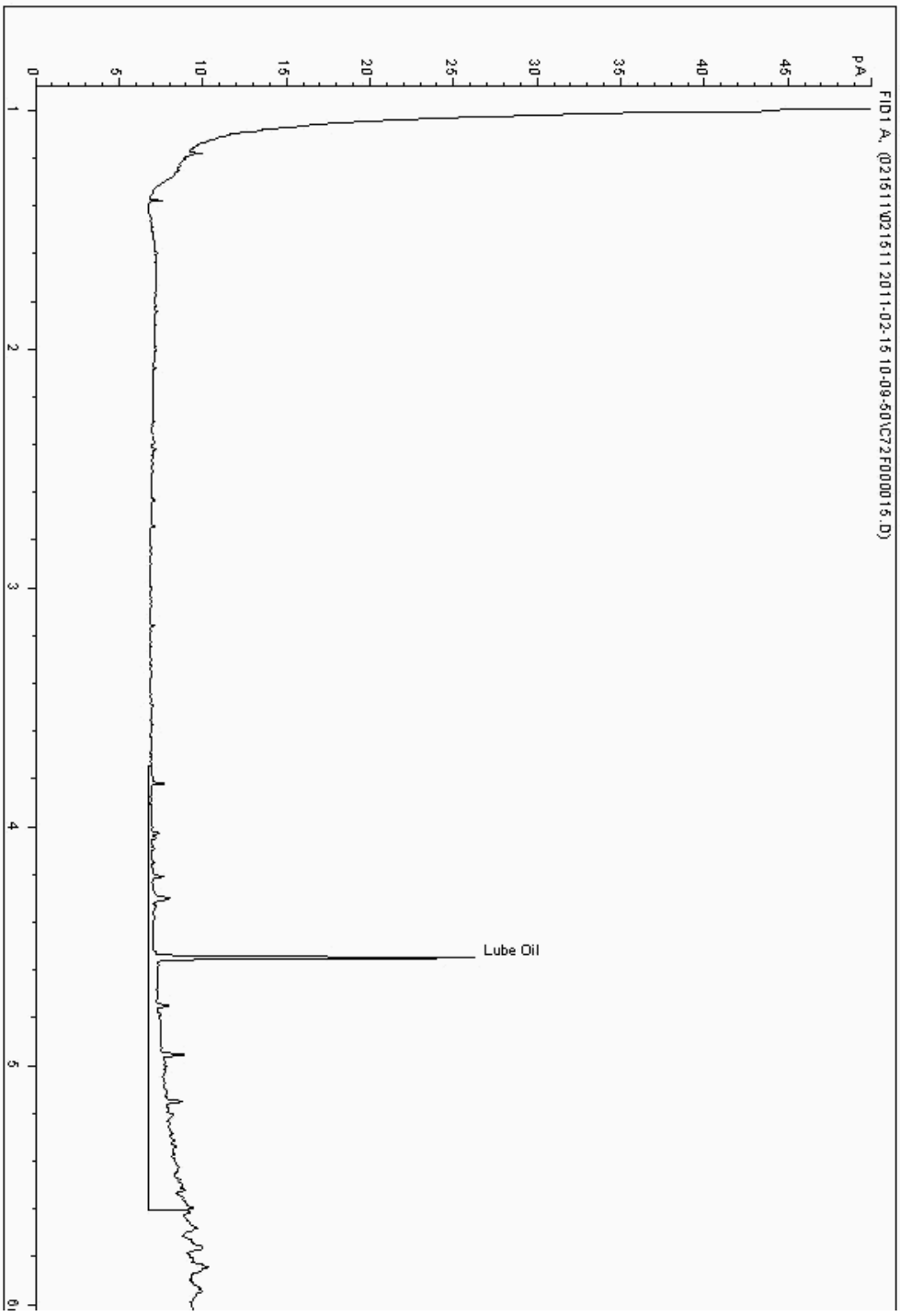
Analysis: TPH c6-40 Value of soil

Sample No : 2860846
Sample ID : DVI 7

Depth :

Alcontrol/Geochem Analytical Services
Flash GC TM154 (C6 - C40)

Sample Identity : 2921442-2860846
Date Acquired : 15/02/11 13:09:24
Units : mg/kg
Sample Multiplier : 1.969
Dilution : 1.000
Download class :



CERTIFICATE OF ANALYSIS

SDG:	110210-97	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0091
Job:	H_ATKINS_LDC-100	**Customer:**	Atkins Global Ltd	**Report Number:**	116328
Client Reference:	Dawnus Validation Sample	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

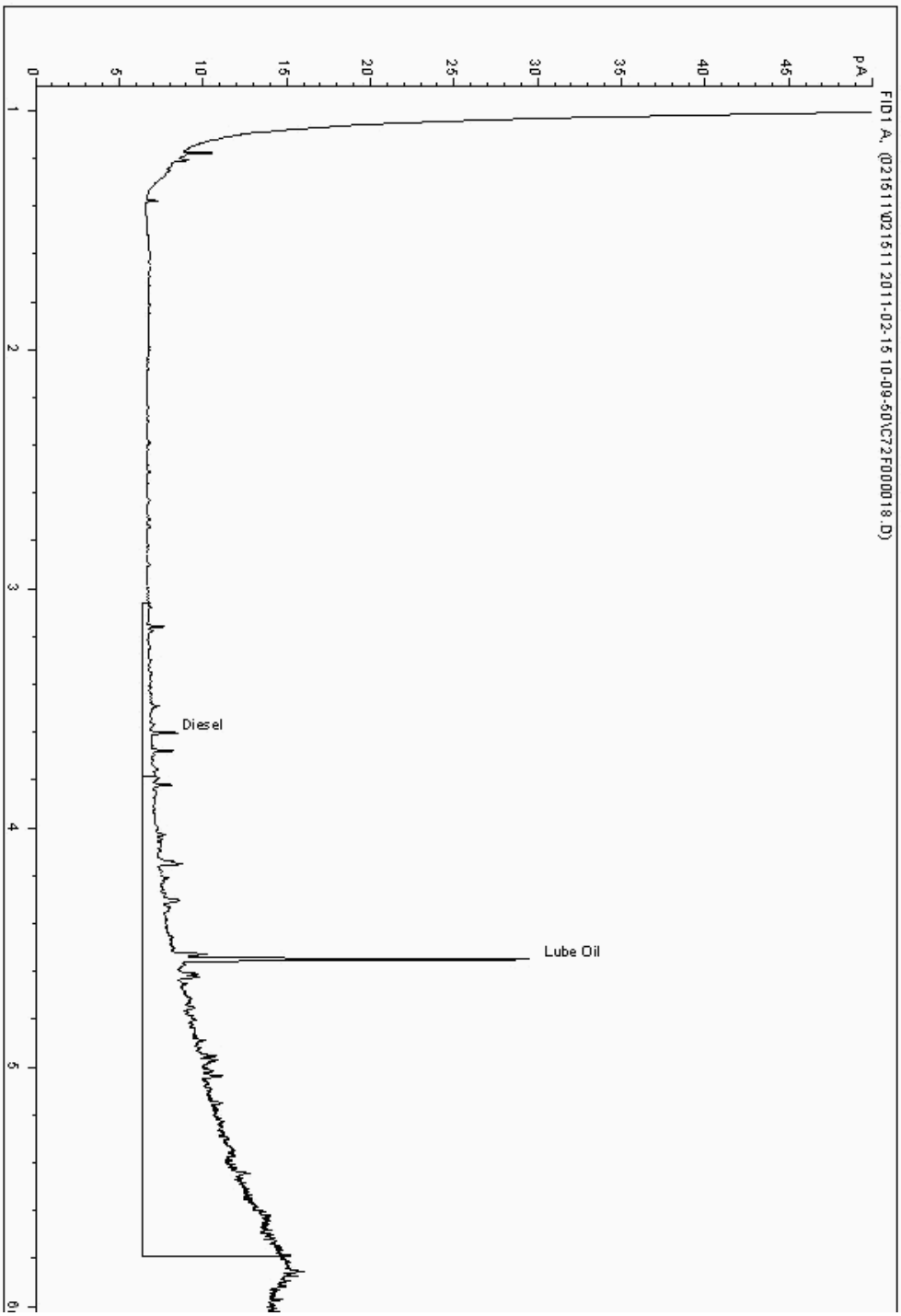
Analysis: TPH c6-40 Value of soil

Sample No : 2860854
Sample ID : DVI 3

Depth :

Alcontrol/Geochem Analytical Services
Flash GC TM154 (C6 - C40)

Sample Identity	:	2921398-2860854
Date Acquired	:	15/02/11 13:46:45
Units	:	mg/kg
Sample Multiplier	:	2.198
Dilution	:	1.000
Download class	:	



CERTIFICATE OF ANALYSIS

SDG:	110210-97	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0091
Job:	H_ATKINS_LDC-100	**Customer:**	Atkins Global Ltd	**Report Number:**	116328
Client Reference:	Dawnus Validation Sample	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

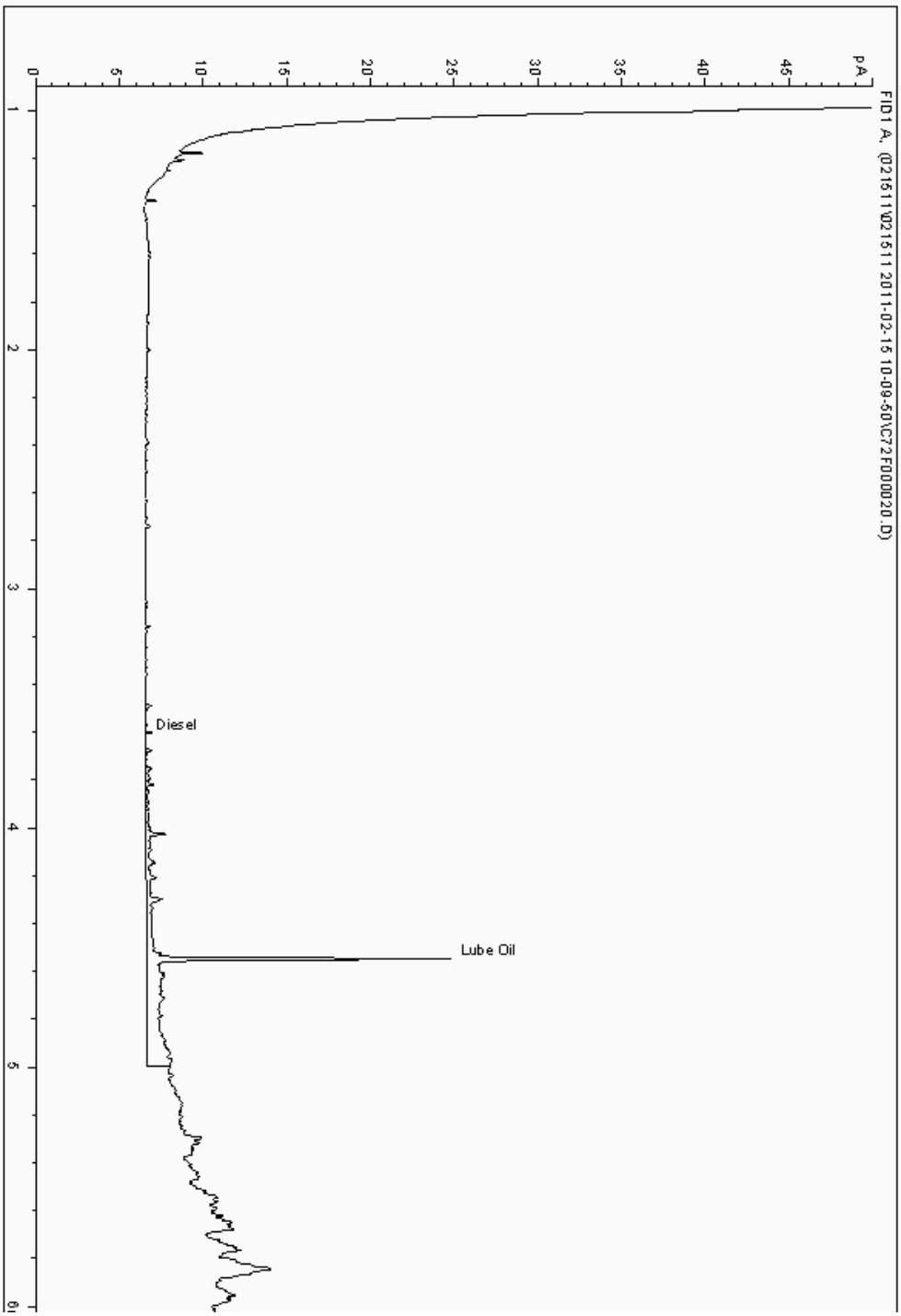
Analysis: TPH c6-40 Value of soil

Sample No : 2860867
Sample ID : DVI 2

Depth :

Alcontrol/Geochem Analytical Services
Flash GC TM154 (C6 - C40)

Sample Identity : 2921388-2860867
Date Acquired : 15/02/11 14:11:24
Units : mg/kg
Sample Multiplier : 2.037
Dilution : 1.000
Download class :



CERTIFICATE OF ANALYSIS

SDG:	110210-97	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0091
Job:	H_ATKINS_LDC-100	**Customer:**	Atkins Global Ltd	**Report Number:**	116328
Client Reference:	Dawnus Validation Sample	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

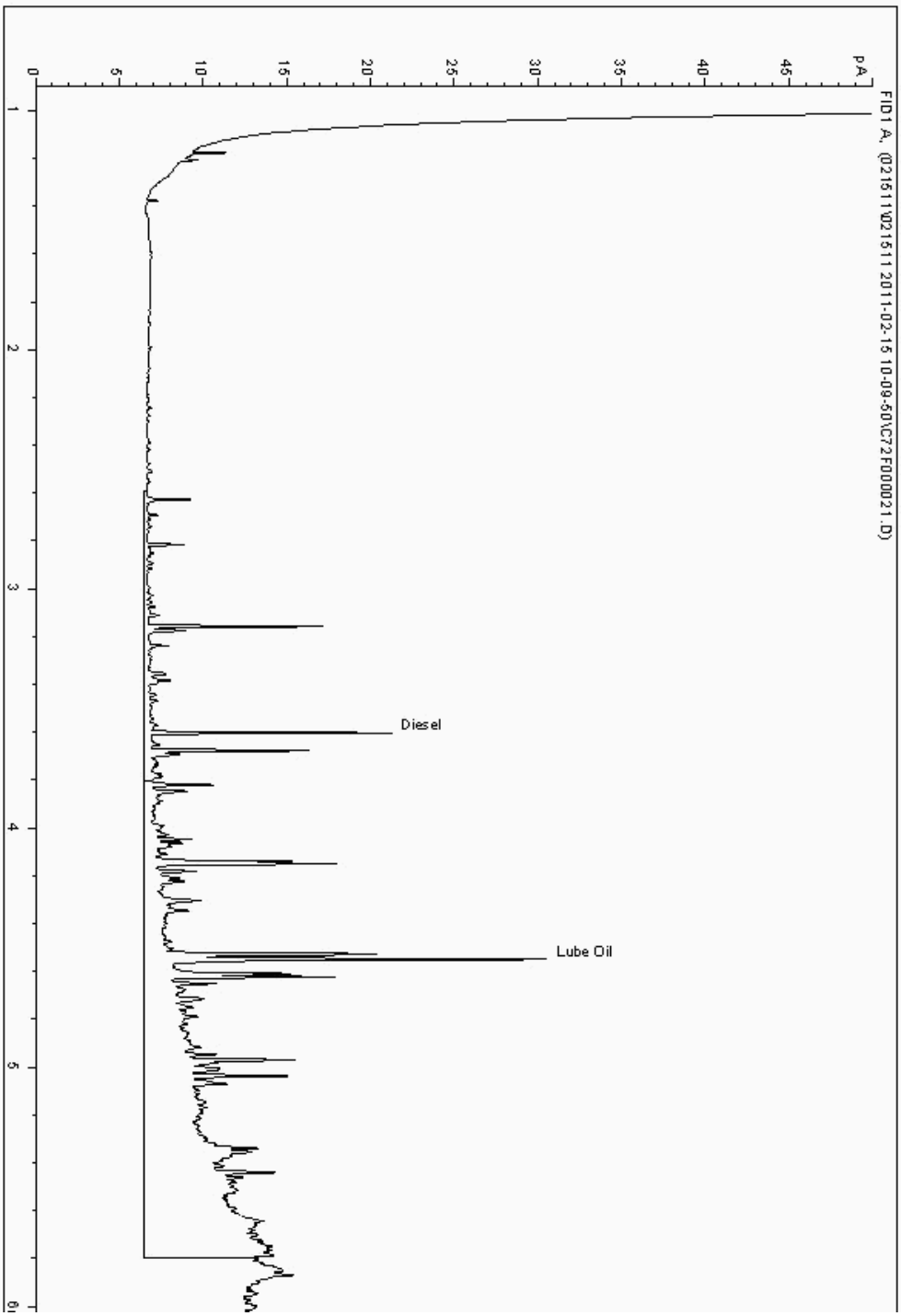
Analysis: TPH c6-40 Value of soil

Sample No : 2860886
Sample ID : DVI 4

Depth :

Alcontrol/Geochem Analytical Services
Flash GC TM154 (C6 - C40)

Sample Identity : 2921408-2860886
Date Acquired : 15/02/11 14:23:55
Units : mg/kg
Sample Multiplier : 2.398
Dilution : 1.000
Download class :



CERTIFICATE OF ANALYSIS

SDG:	110210-97	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0091
Job:	H_ATKINS_LDC-100	**Customer:**	Atkins Global Ltd	**Report Number:**	116328
Client Reference:	Dawnus Validation Sample	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

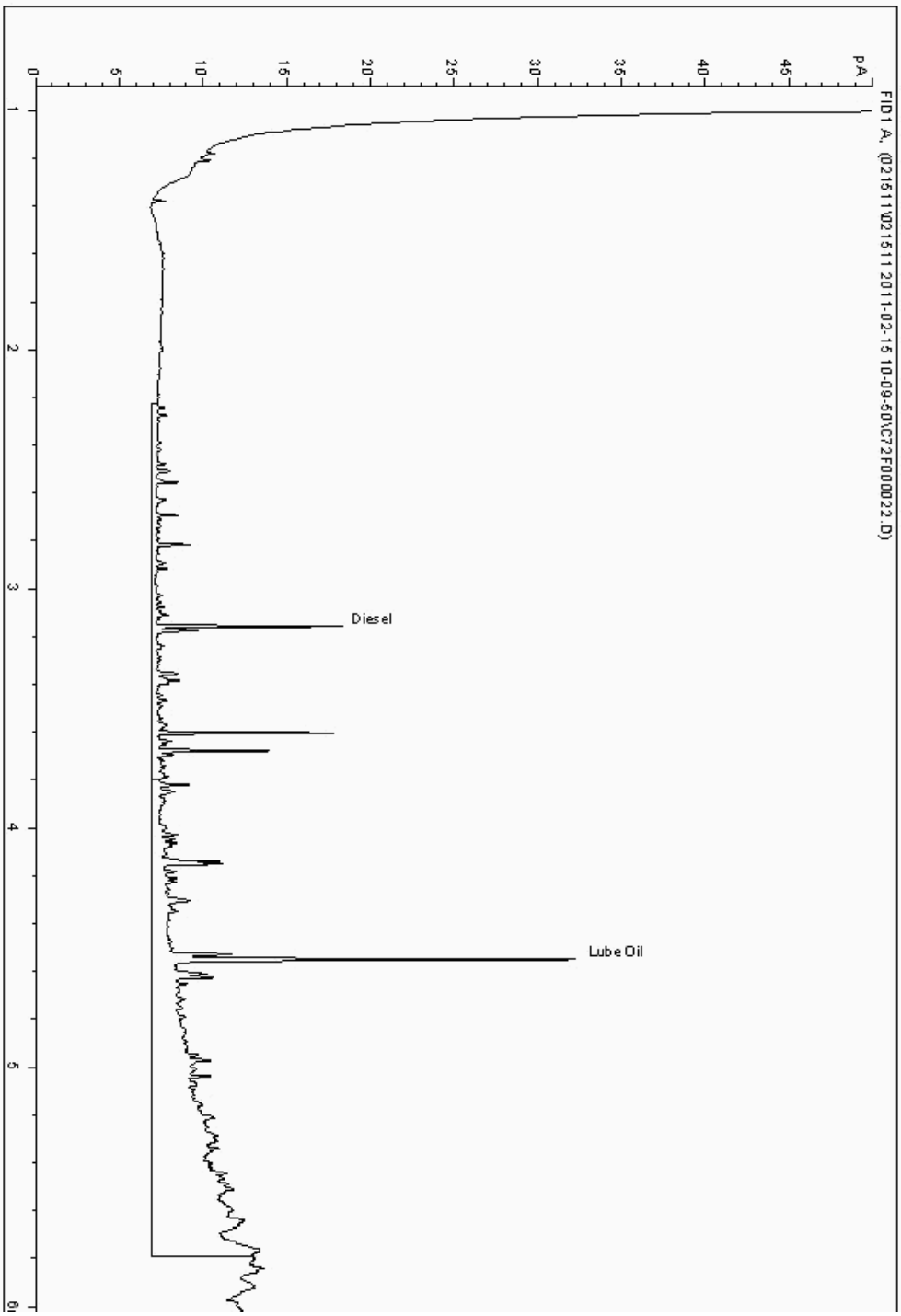
Analysis: TPH c6-40 Value of soil

Sample No : 2860897
Sample ID : DVI 6

Depth :

Alcontrol/Geochem Analytical Services
Flash GC TM154 (C6 - C40)

Sample Identity : 2921432-2860897
Date Acquired : 15/02/11 14:36:15
Units : mg/kg
Sample Multiplier : 1.701
Dilution : 1.000
Download class :



CERTIFICATE OF ANALYSIS

SDG:	110210-97	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0091
Job:	H_ATKINS_LDC-100	**Customer:**	Atkins Global Ltd	**Report Number:**	116328
Client Reference:	Dawnus Validation Sample	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

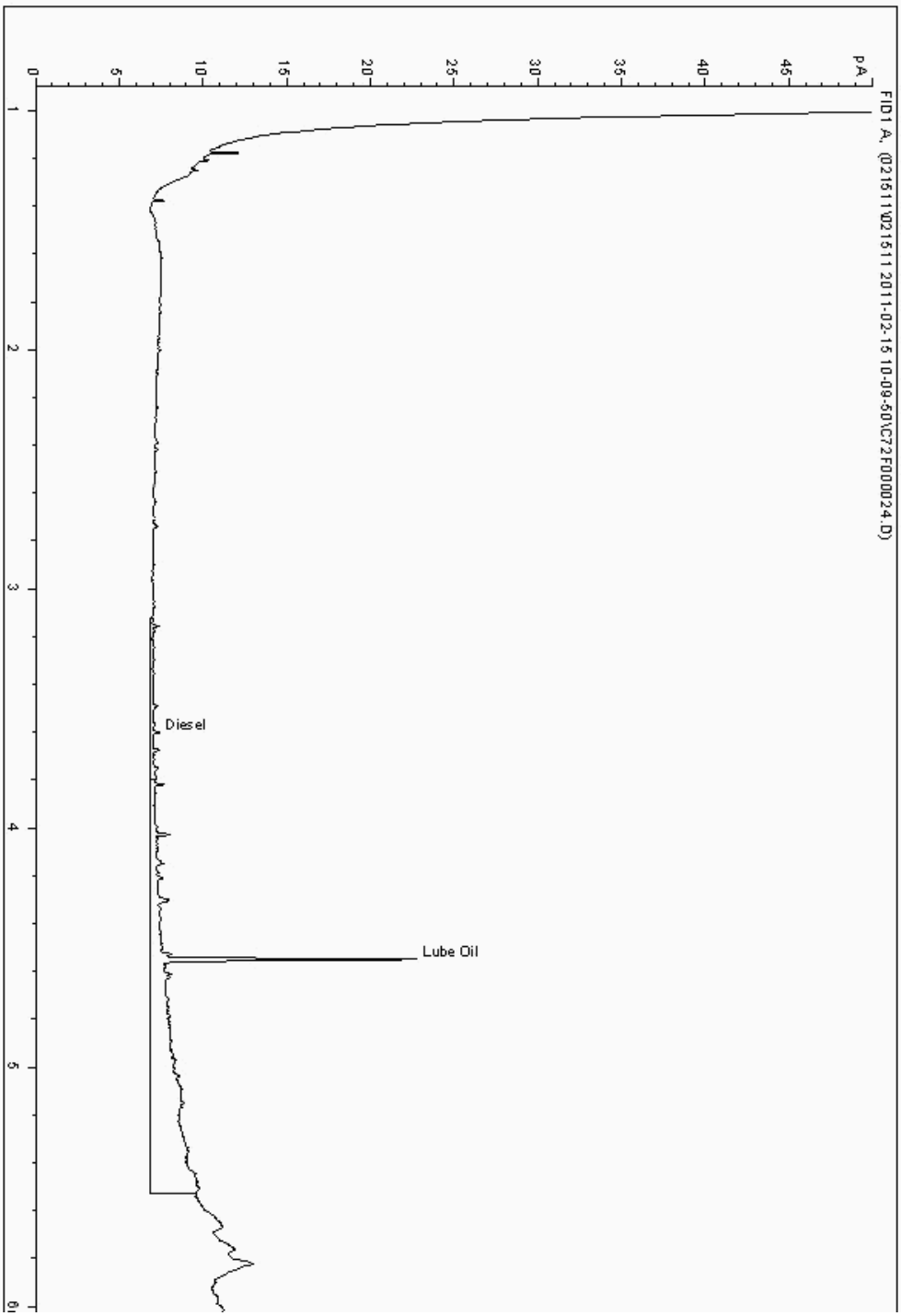
Analysis: TPH c6-40 Value of soil

Sample No : 2860903
Sample ID : DVI 8

Depth :

Alcontrol/Geochem Analytical Services
Flash GC TM154 (C6 - C40)

Sample Identity : 2921452-2860903
Date Acquired : 15/02/11 15:00:55
Units : mg/kg
Sample Multiplier : 1.894
Dilution : 1.000
Download class :



CERTIFICATE OF ANALYSIS

SDG:	110210-97	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0091
Job:	H_ATKINS_LDC-100	**Customer:**	Atkins Global Ltd	**Report Number:**	116328
Client Reference:	Dawnus Validation Sample	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

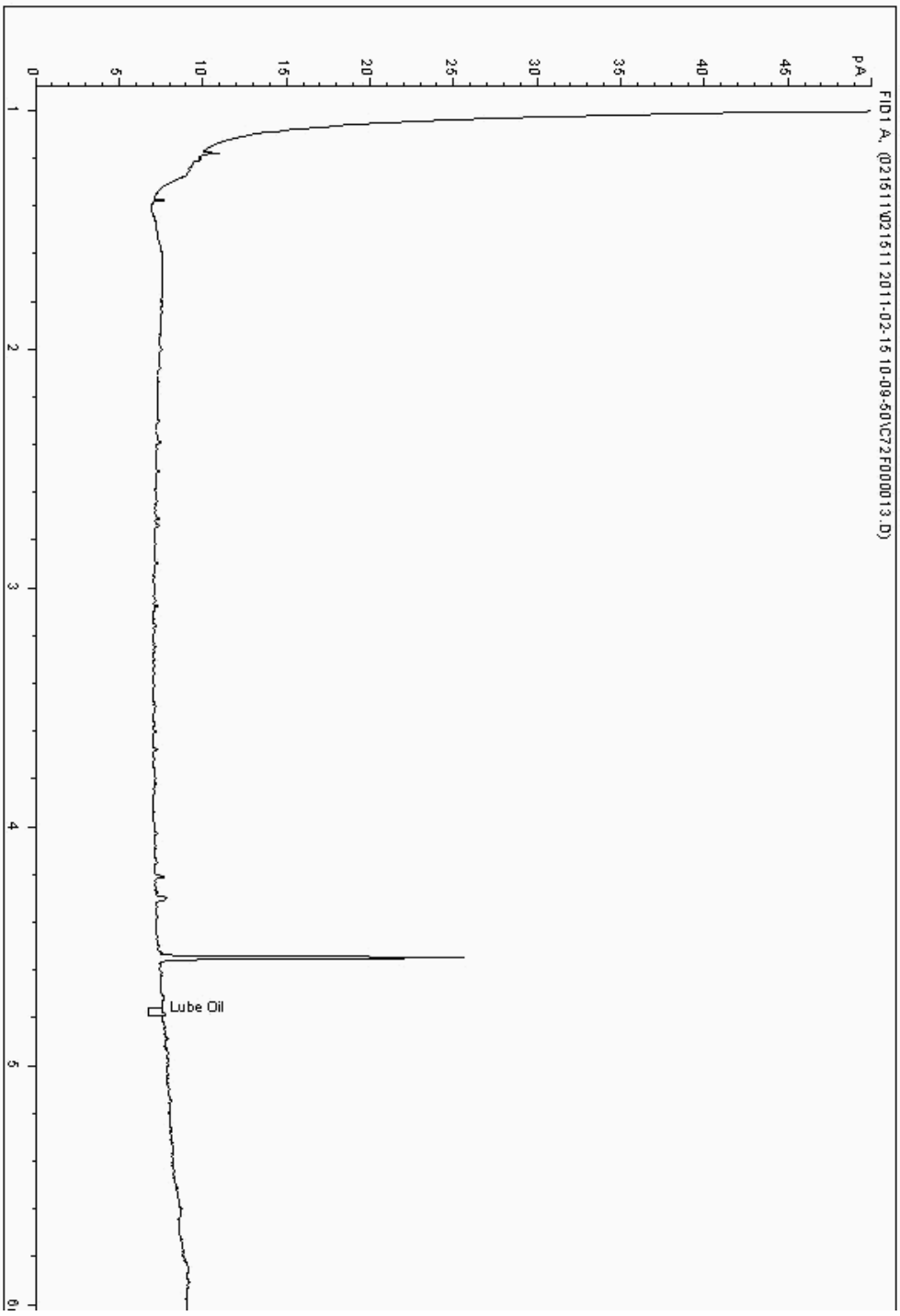
Analysis: TPH c6-40 Value of soil

Sample No : 2860961
Sample ID : DVI 1

Depth :

Alcontrol/Geochem Analytical Services
Flash GC TM154 (C6 - C40)

Sample Identity : 2921376-2860961
Date Acquired : 15/02/11 12:44:47
Units : mg/kg
Sample Multiplier : 1.972
Dilution : 1.000
Download class :



SDG:	110210-97	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0091
Job:	H_ATKINS_LDC-100	**Customer:**	Atkins Global Ltd	**Report Number:**	116328
Client Reference:	Dawnus Validation Sample	**Attention:**	Alex Mann	**Superseded Report:**	

Appendix

1. Results are expressed on a dry weight basis (dried at 35ºC) for all soil analyses except for the following: NRA Leach tests, flash point, ammonium as NH4 by the BRE method, VOC TICS, SVOC TICS, TOF-MS SCAN/SEARCH and TOF-MS 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 both soil jars, tubs and volatile jars. All waters and vials will be discarded 10 days after the analysis is completed (e-mailed). All material removed during an asbestos containing material screen and analysed for the presence of asbestos 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 screened in house for the presence of large asbestos containing material fragments/pieces. If no asbestos containing material is found this will be reported as 'no asbestos containing material detected'. If asbestos containing material is detected it will be removed and analysed by our documented in house method TM048 based on HSG 248 (2005), which is accredited to ISO17025. If asbestos containing material is present no further analysis will be undertaken. At no point is the fibre content of the soil sample determined.

7. If no separate volatile sample is supplied by the client, the integrity of the data may be compromised if the laboratory is required to create a sub-sample from the bulk sample -similarly, if a headspace or sediment is present in the volatile sample. This will be flagged up as an invalid VOC on the test schedule or recorded on the log sheet.

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. A table containing the date of analysis for each parameter is not routinely included with the report, but is available upon request.

12. Results relate only to the items tested

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

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

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

16. Total of 5 speciated phenols by HPLC includes Phenol, 2,3,5-Trimethyl Phenol, 2-Isopropylphenol, Cresols and Xylenols (as detailed in 14).

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

18. Our MCERTS accreditation for PAHs by GCMS applies to all product types apart from Kerosene, where naphthalene only is not
accredited.

19. 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.

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

21. 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.

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

23. 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 themajor 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.

24. 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 C4 -C10 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.

SOLID MATRICES EXTRACTION SUMMARY

ANALYSIS	D/C OR WET	EXTRACTION SOLVENT	EXTRACTION METHOD	ANALYSIS
SOLVENT EXTRACTABLE MATTER	D&C	DCM	SOXTHERM	GRAVIMETRIC
CYCLOHEXANE EXT. MATTER	D&C	CYCLOHEXANE	SOXTHERM	GRAVIMETRIC
THIN LAYER CHROMATOGRAPHY	D&C	DCM	SOXTHERM	IATROSCAN
ELEMENTAL SULPHUR	D&C	DCM	SOXTHERM	HPLC
PHENOLS BY GCMS	WET	DCM	SOXTHERM	GC-MS
HERBICIDES	D&C	HEXANE/ACETONE	SOXTHERM	GC-MS
PESTICIDES	D&C	HEXANE/ACETONE	SOXTHERM	GC-MS
EPH (DRO)	D&C	HEXANE/ACETONE	END OVER END	GC-FID
EPH (MIN OIL)	D&C	HEXANE/ACETONE	END OVER END	GC-FID
EPH (CLEANED UP)	D&C	HEXANE/ACETONE	END OVER END	GC-FID
EPH CWG BY GC	D&C	HEXANE/ACETONE	END OVER END	GC-FID
PCB TOT / PCB CON	D&C	HEXANE/ACETONE	END OVER END	GC-MS
POLYAROMATIC HYDROCARBONS (MS)	WET	HEXANE/ACETONE	MICROWAVE TM218.	GC-MS
C8-C40 (C8-C40) EZ FLASH	WET	HEXANE/ACETONE	SHAKER	GC-EZ
POLYAROMATIC HYDROCARBONS RAPID GC	WET	HEXANE/ACETONE	SHAKER	GC-EZ
SEMI VOLATILE ORGANIC COMPOUNDS	WET	DCM/ACETONE	SONICATE	GC-MS

LIQUID MATRICES EXTRACTION SUMMARY

ANALYSIS	EXTRACTION SOLVENT	EXTRACTION METHOD	ANALYSIS
PAH-MS	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC-MS
EPH	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
EPH CWG	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
MINERAL OIL	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
PCB 7 CONGENERS	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC-MS
PCB TOTAL	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC-MS
SVOC	DCM	LIQUID/LIQUID SHAKE	GC-MS
FREE SULPHUR	DCM	SOLID PHASE EXTRACTION	HPLC
PEST OCP/OPP	DCM	LIQUID/LIQUID SHAKE	GC-MS
TRIAZINE HERBS	DCM	LIQUID/LIQUID SHAKE	GC-MS
PHENOLS-MS	DCM	SOLID PHASE EXTRACTION	GC-MS
TPH by INFRARED (IR)	TCE	LIQUID/LIQUID SHAKE	HPLC
MINERAL OIL by IR	TCE	LIQUID/LIQUID SHAKE	HPLC
GLYCOLS	NONE	DIRECT INJECTION	GC-MS

Identification of Asbestos in Bulk Materials

The results for asbestos identification for soil samples are obtained from possible Asbestos Containing Material, removed during the 'Screening of soils for Asbestos Containing 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).

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 MDHS 100.

The identification of asbestos containing materials 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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Manor Road (off Manor Lane)
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Deeside
CH5 3US
Tel: (01244) 528700
Fax: (01244) 528701
email: mkt@alcontrol.com
Website: www.alcontrol.com

Attention: Alex Mann

CERTIFICATE OF ANALYSIS

Date:	09 November 2010		
Customer:	H_ATKINS_LDC-77		
Sample Delivery Group (SDG):	101102-2	**Report No.:**	102762
Your Reference:	CBL, 36 inch, NSR and Area 1 SPs		
Location:	Coed Darcy Urban Village		

We received 12 samples on Tuesday November 02, 2010 and 12 of these samples were scheduled for analysis which was completed on Tuesday November 09, 2010. 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.

Asbestos testing - we are not accredited for screening soil samples for asbestos fibres. We are only accredited to identify asbestos fibres in bulk material (ACM).

Approved By:

Iain Swinton

Business Director - Land, UK & Ireland

mCERTS THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME

UKAS TESTING 1291

GROUP

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

Validated

ALcontrol Laboratories Analytical Services

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Reference:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
2329121	36"			01/11/2010
2329197	ADV9			01/11/2010
2329211	ADV10			01/11/2010
2329229	ADV11			01/11/2010
2329249	ADV12			01/11/2010
2329266	ADV13			01/11/2010
2329278	ADV14			01/11/2010
2329288	ADV15			01/11/2010
2329302	ADV16			01/11/2010
2329167	CBL OVERPUMP			01/11/2010
2329153	NSR IN			01/11/2010
2329134	NSR OUT			01/11/2010

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

Validated

ALcontrol Laboratories Analytical Services

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Reference:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

LIQUID

Results Legend

X Test

N No Determination Possible

			Lab Sample No(s)	2329134				2329153				2329167				2329121			
			Customer Sample Ref.	NSR OUT				NSR IN				CBL OVERPUMP				36"			
			AGS Ref.																
			Depth (m)																
			Container	1l green glass bottle	1lplastic	H2SO4	Vial	1l green glass bottle	1lplastic	H2SO4	Vial	1l green glass bottle	1lplastic	H2SO4	Vial	1l green glass bottle	1lplastic	H2SO4	Vial
Ammonium	All	NDPs: 0 Tests: 4				X				X				X				X	
Anions by Kone (w)	All	NDPs: 0 Tests: 4			X				X				X				X		
BOD True Total	All	NDPs: 0 Tests: 4			X				X				X				X		
COD Unfiltered	All	NDPs: 0 Tests: 4			X				X				X				X		
Conductivity (at 20 deg.C)	All	NDPs: 0 Tests: 4			X				X				X				X		
Dissolved Metals by ICP-MS	All	NDPs: 0 Tests: 4			X				X				X				X		
EPH CWG (Aliphatic) Aqueous GC (W)	All	NDPs: 0 Tests: 4		X				X				X				X			
EPH CWG (Aromatic) Aqueous GC (W)	All	NDPs: 0 Tests: 4		X				X				X				X			
GRO by GC-FID (W)	All	NDPs: 0 Tests: 4					X				X				X				X
pH Value	All	NDPs: 0 Tests: 4			X				X				X				X		
Phenols by HPLC (W)	All	NDPs: 0 Tests: 1										X							
SVOC MS (W) - Aqueous	All	NDPs: 0 Tests: 3		X				X								X			
Total Suspended Solids	All	NDPs: 0 Tests: 4			X				X				X				X		
TPH CWG (W)	All	NDPs: 0 Tests: 4		X				X				X				X			
VOC MS (W)	All	NDPs: 0 Tests: 3					X				X								X

ALcontrol Laboratories Analytical Services

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Reference:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

SOLID

Results Legend

X Test

N No Determination Possible

			Lab Sample No(s)	2329197			2329211			2329229			2329249			2329266			2329278			2329288			2329302		
			Customer Sample Ref.	ADV9			ADV10			ADV11			ADV12			ADV13			ADV14			ADV15			ADV16		
			AGS Ref.																								
			Depth (m)																								
			Container	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC
Asbestos Containing Material Screen	All	NDPs: 0 Tests: 8			X			X			X			X			X			X			X			X	
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 8		X			X			X			X			X			X			X			X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 8		X			X			X			X			X			X			X			X		
GRO by GC-FID (S)	All	NDPs: 0 Tests: 8				X			X			X			X			X			X			X			X
Metals by iCap-OES (Soil)	Arsenic	NDPs: 0 Tests: 8		X			X			X			X			X			X			X			X		
	Cadmium	NDPs: 0 Tests: 8		X			X			X			X			X			X			X			X		
	Chromium	NDPs: 0 Tests: 8		X			X			X			X			X			X			X			X		
	Copper	NDPs: 0 Tests: 8		X			X			X			X			X			X			X			X		
	Lead	NDPs: 0 Tests: 8		X			X			X			X			X			X			X			X		
	Mercury	NDPs: 0 Tests: 8		X			X			X			X			X			X			X			X		
	Nickel	NDPs: 0 Tests: 8		X			X			X			X			X			X			X			X		
	Selenium	NDPs: 0 Tests: 8		X			X			X			X			X			X			X			X		
	Vanadium	NDPs: 0 Tests: 1											X															
	Zinc	NDPs: 0 Tests: 8		X			X			X			X			X			X			X			X		
pH	All	NDPs: 0 Tests: 8			X			X			X			X			X			X			X			X	
Sample description	All	NDPs: 0 Tests: 8		X			X			X			X			X			X			X			X		
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 8		X			X			X			X			X			X			X			X		

Validated

ALcontrol Laboratories Analytical Services

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Reference:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

SOLID

Results Legend

X Test

N No Determination Possible

			Lab Sample No(s)	2329197	2329211	2329229	2329249	2329266	2329278	2329288	2329302
			Customer Sample Ref.	ADV9	ADV10	ADV11	ADV12	ADV13	ADV14	ADV15	ADV16
			AGS Ref.								
			Depth (m)								
			Container	250g Amber Jar / 400g Tub / 60g VOC	250g Amber Jar / 400g Tub / 60g VOC	250g Amber Jar / 400g Tub / 60g VOC	250g Amber Jar / 400g Tub / 60g VOC	250g Amber Jar / 400g Tub / 60g VOC	250g Amber Jar / 400g Tub / 60g VOC	250g Amber Jar / 400g Tub / 60g VOC	250g Amber Jar / 400g Tub / 60g VOC
Total Organic Carbon	All	NDPs: 0 Tests: 8		X	X	X	X	X	X	X	X
TPH CWG GC (S)	All	NDPs: 0 Tests: 8		X	X	X	X	X	X	X	X
VOC MS (S)	All	NDPs: 0 Tests: 8		60g VOC: X	60g VOC: X	60g VOC: X	60g VOC: X	60g VOC: X	60g VOC: X	60g VOC: X	60g VOC: X

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
2329197	ADV9		Dark Brown	Silt Loam	0.063 - 0.1 mm	Stones	None
2329211	ADV10		Dark Brown	Silty Sand	0.063 - 0.1 mm	Stones	Vegetation
2329229	ADV11		Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	Vegetation
2329249	ADV12		Dark Brown	Silty Clay	0.063 - 0.1 mm	N/A	N/A
2329266	ADV13		Dark Brown	Sand	0.1 - 2 mm	Stones	N/A
2329278	ADV14		Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	N/A
2329288	ADV15		Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones	Vegetation
2329302	ADV16		Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Vegetation	Stones

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

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

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

Validated

ALcontrol Laboratories Analytical Services

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Reference:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

Test Completion Dates

Lab Sample No(s)	2329197	2329211	2329229	2329249	2329266	2329278	2329288	2329167	2329153	2329134
Customer Sample Ref.	ADV9	ADV10	ADV11	ADV12	ADV13	ADV14	ADV15	CBL OVERPUMP	NSR IN	NSR OUT
AGS Ref.										
Depth										
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	LIQUID	LIQUID	LIQUID
Ammonium								02/11/2010	02/11/2010	02/11/2010
Anions by Kone (w)								05/11/2010	05/11/2010	05/11/2010
Asbestos Containing Material Screen	02/11/2010	02/11/2010	02/11/2010	02/11/2010	02/11/2010	02/11/2010	02/11/2010			
BOD True Total								07/11/2010	07/11/2010	07/11/2010
COD Unfiltered								03/11/2010	02/11/2010	03/11/2010
Conductivity (at 20 deg.C)								03/11/2010	03/11/2010	03/11/2010
Dissolved Metals by ICP-MS								04/11/2010	03/11/2010	04/11/2010
EPH CWG (Aliphatic) Aqueous GC (W)								04/11/2010	04/11/2010	04/11/2010
EPH CWG (Aliphatic) GC (S)	04/11/2010	04/11/2010	04/11/2010	04/11/2010	04/11/2010	04/11/2010	04/11/2010			
EPH CWG (Aromatic) Aqueous GC (W)								04/11/2010	04/11/2010	04/11/2010
EPH CWG (Aromatic) GC (S)	04/11/2010	04/11/2010	04/11/2010	04/11/2010	04/11/2010	04/11/2010	04/11/2010			
GRO by GC-FID (S)	09/11/2010	09/11/2010	09/11/2010	09/11/2010	09/11/2010	09/11/2010	09/11/2010			
GRO by GC-FID (W)								05/11/2010	05/11/2010	05/11/2010
Metals by iCap-OES (Soil)	04/11/2010	04/11/2010	04/11/2010	08/11/2010	04/11/2010	04/11/2010	04/11/2010			
pH	03/11/2010	03/11/2010	03/11/2010	03/11/2010	03/11/2010	03/11/2010	03/11/2010			
pH Value								03/11/2010	03/11/2010	03/11/2010
Phenols by HPLC (W)								04/11/2010		
Sample description	02/11/2010	02/11/2010	02/11/2010	02/11/2010	02/11/2010	02/11/2010	02/11/2010			
Semi Volatile Organic Compounds	04/11/2010	04/11/2010	04/11/2010	04/11/2010	04/11/2010	04/11/2010	04/11/2010			
SVOC MS (W) - Aqueous									06/11/2010	06/11/2010
Total Organic Carbon	03/11/2010	03/11/2010	04/11/2010	03/11/2010	03/11/2010	04/11/2010	04/11/2010			
Total Suspended Solids								03/11/2010	03/11/2010	03/11/2010
TPH CWG (W)								05/11/2010	05/11/2010	05/11/2010
TPH CWG GC (S)	09/11/2010	09/11/2010	09/11/2010	09/11/2010	09/11/2010	09/11/2010	09/11/2010			
VOC MS (S)	07/11/2010	07/11/2010	08/11/2010	08/11/2010	08/11/2010	08/11/2010	08/11/2010			
VOC MS (W)									08/11/2010	08/11/2010

Lab Sample No(s)	2329121	2329302
Customer Sample Ref.	36"	ADV16
AGS Ref.		
Depth		
Type	LIQUID	SOLID
Ammonium	02/11/2010	
Anions by Kone (w)	05/11/2010	
Asbestos Containing Material Screen		02/11/2010
BOD True Total	07/11/2010	
COD Unfiltered	03/11/2010	
Conductivity (at 20 deg.C)	03/11/2010	
Dissolved Metals by ICP-MS	04/11/2010	
EPH CWG (Aliphatic) Aqueous GC (W)	05/11/2010	
EPH CWG (Aliphatic) GC (S)		04/11/2010
EPH CWG (Aromatic) Aqueous GC (W)	05/11/2010	
EPH CWG (Aromatic) GC (S)		04/11/2010
GRO by GC-FID (S)		09/11/2010
GRO by GC-FID (W)	05/11/2010	
Metals by iCap-OES (Soil)		04/11/2010
pH		03/11/2010
pH Value	03/11/2010	
Sample description		02/11/2010
Semi Volatile Organic Compounds		04/11/2010
SVOC MS (W) - Aqueous	06/11/2010	
Total Organic Carbon		04/11/2010
Total Suspended Solids	03/11/2010	
TPH CWG (W)	05/11/2010	
TPH CWG GC (S)		09/11/2010
VOC MS (S)		08/11/2010
VOC MS (W)	08/11/2010	

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Reference:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

Validated

ALcontrol Laboratories Analytical Services

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Reference:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	36"	CBL OVERPUMP	NSR IN	NSR OUT
			Depth (m)				
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	01/11/2010	01/11/2010	01/11/2010	01/11/2010
			Date Received	02/11/2010	02/11/2010	02/11/2010	02/11/2010
			SDG Ref	101102-2	101102-2	101102-2	101102-2
			Lab Sample No.(s)	2329121	2329167	2329153	2329134
			AGS Reference				
Suspended solids, Total	<2 mg/l	TM022		5 #	7 #	140 #	11.5 #
BOD, unfiltered	<1 mg/l	TM045		1.95 #	1.59 #	2.58 #	2.45 #
Ammoniacal Nitrogen as NH3	<0.2 mg/l	TM099		0.321 #	0.55 #	<0.2 #	<0.2 #
COD, unfiltered	<7 mg/l	TM107		32.3 #	34.8 #	79.9 #	32.4 #
Conductivity @ 20 deg.C	<0.014 mS/cm	TM120		0.606 #	0.437 #	0.549 #	0.311 #
Vanadium (diss.filt)	<0.24 µg/l	TM152		1.37 #	1.03 #	2.97 #	0.523 #
Nitrite as NO2	<0.05 mg/l	TM184		0.07 #	<0.05 #	0.052 #	<0.05 #
Phosphate (ortho) as PO4	<0.05 mg/l	TM184		<0.05 #	<0.05 #	<0.05 #	<0.05 #
Nitrate as NO3	<0.3 mg/l	TM184		0.85 #	1.02 #	0.961 #	0.931 #
pH	<1 pH Units	TM256		8.38 #	8.39 #	8.34 #	8.5 #
Phenols, Total monohydric	<0.015 mg/l	TM259			<0.015 #		

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Reference:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

SVOC MS (W) - Aqueous

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	36"	NSR IN	NSR OUT
			Depth (m)			
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	01/11/2010	01/11/2010	01/11/2010
			Date Received	02/11/2010	02/11/2010	02/11/2010
			SDG Ref	101102-2	101102-2	101102-2
			Lab Sample No.(s)	2329121	2329153	2329134
			AGS Reference			
1,2,4-Trichlorobenzene (aq)	<1 µg/l	TM176		<1	<1	<1
1,2-Dichlorobenzene (aq)	<1 µg/l	TM176		<1	<1	<1
1,3-Dichlorobenzene (aq)	<1 µg/l	TM176		<1	<1	<1
1,4-Dichlorobenzene (aq)	<1 µg/l	TM176		<1	<1	<1
2,4,5-Trichlorophenol (aq)	<1 µg/l	TM176		<1	<1	<1
2,4,6-Trichlorophenol (aq)	<1 µg/l	TM176		<1	<1	<1
2,4-Dichlorophenol (aq)	<1 µg/l	TM176		<1	<1	<1
2,4-Dimethylphenol (aq)	<1 µg/l	TM176		<1	<1	<1
2,4-Dinitrotoluene (aq)	<1 µg/l	TM176		<1	<1	<1
2,6-Dinitrotoluene (aq)	<1 µg/l	TM176		<1	<1	<1
2-Chloronaphthalene (aq)	<1 µg/l	TM176		<1	<1	<1
2-Chlorophenol (aq)	<1 µg/l	TM176		<1	<1	<1
2-Methylnaphthalene (aq)	<1 µg/l	TM176		<1	<1	<1
2-Methylphenol (aq)	<1 µg/l	TM176		<1	<1	<1
2-Nitroaniline (aq)	<1 µg/l	TM176		<1	<1	<1
2-Nitrophenol (aq)	<1 µg/l	TM176		<1	<1	<1
3-Nitroaniline (aq)	<1 µg/l	TM176		<1	<1	<1
4-Bromophenylphenylether (aq)	<1 µg/l	TM176		<1	<1	<1
4-Chloro-3-methylphenol (aq)	<1 µg/l	TM176		<1	<1	<1
4-Chloroaniline (aq)	<1 µg/l	TM176		<1	<1	<1
4-Chlorophenylphenylether (aq)	<1 µg/l	TM176		<1	<1	<1
4-Methylphenol (aq)	<1 µg/l	TM176		<1	<1	<1
4-Nitrophenol (aq)	<1 µg/l	TM176		<1	<1	<1
4-Nitroaniline (aq)	<1 µg/l	TM176		<1	<1	<1
Azobenzene (aq)	<1 µg/l	TM176		<1	<1	<1
Acenaphthylene (aq)	<1 µg/l	TM176		<1	<1	<1
Acenaphthene (aq)	<1 µg/l	TM176		<1	<1	<1
Anthracene (aq)	<1 µg/l	TM176		<1	<1	<1
bis(2-Chloroethyl)ether (aq)	<1 µg/l	TM176		<1	<1	<1
bis(2-Chloroethoxy)methane (aq)	<1 µg/l	TM176		<1	<1	<1
bis(2-Ethylhexyl) phthalate (aq)	<2 µg/l	TM176		<2	<2	<2
Benzo(a)anthracene (aq)	<1 µg/l	TM176		<1	1.85	<1
Butylbenzyl phthalate (aq)	<1 µg/l	TM176		<1	<1	<1
Benzo(b)fluoranthene (aq)	<1 µg/l	TM176		<1	2.43	<1
Benzo(k)fluoranthene (aq)	<1 µg/l	TM176		<1	2.1	<1
Benzo(a)pyrene (aq)	<1 µg/l	TM176		<1	2.67	<1
Benzo(g,h,i)perylene (aq)	<1 µg/l	TM176		<1	1.82	<1
Carbazole (aq)	<1 µg/l	TM176		<1	<1	<1
Chrysene (aq)	<1 µg/l	TM176		<1	2.47	<1

ALcontrol Laboratories Analytical Services

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Reference:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

SVOC MS (W) - Aqueous

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	36"	NSR IN	NSR OUT
			Depth (m)			
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	01/11/2010	01/11/2010	01/11/2010
			Date Received	02/11/2010	02/11/2010	02/11/2010
			SDG Ref	101102-2	101102-2	101102-2
			Lab Sample No.(s)	2329121	2329153	2329134
			AGS Reference			
Dibenzofuran (aq)	<1 µg/l	TM176		<1	<1	<1
n-Dibutyl phthalate (aq)	<1 µg/l	TM176		<1	<1	1.07
Diethyl phthalate (aq)	<1 µg/l	TM176		<1	<1	<1
Dibenzo(a,h)anthracene (aq)	<1 µg/l	TM176		<1	<1	<1
Dimethyl phthalate (aq)	<1 µg/l	TM176		<1	<1	<1
n-Dioctyl phthalate (aq)	<5 µg/l	TM176		<5	<5	<5
Fluoranthene (aq)	<1 µg/l	TM176		<1	2.39	<1
Fluorene (aq)	<1 µg/l	TM176		<1	<1	<1
Hexachlorobenzene (aq)	<1 µg/l	TM176		<1	<1	<1
Hexachlorobutadiene (aq)	<1 µg/l	TM176		<1	<1	<1
Pentachlorophenol (aq)	<1 µg/l	TM176		<1	<1	<1
Phenol (aq)	<1 µg/l	TM176		<1	<1	<1
n-Nitroso-n-dipropylamine (aq)	<1 µg/l	TM176		<1	<1	<1
Hexachloroethane (aq)	<1 µg/l	TM176		<1	<1	<1
Nitrobenzene (aq)	<1 µg/l	TM176		<1	<1	<1
Naphthalene (aq)	<1 µg/l	TM176		<1	<1	<1
Isophorone (aq)	<1 µg/l	TM176		<1	<1	<1
Hexachlorocyclopentadiene (aq)	<1 µg/l	TM176		<1	<1	<1
Phenanthrene (aq)	<1 µg/l	TM176		<1	1.17	<1
Indeno(1,2,3-cd)pyrene (aq)	<1 µg/l	TM176		<1	1.43	<1
Pyrene (aq)	<1 µg/l	TM176		<1	2.75	<1

Validated

ALcontrol Laboratories Analytical Services

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Reference:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

TPH CWG (W)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	36"	CBL OVERPUMP	NSR IN	NSR OUT		
			Depth (m)						
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)		
			Date Sampled	01/11/2010	01/11/2010	01/11/2010	01/11/2010		
			Date Received	02/11/2010	02/11/2010	02/11/2010	02/11/2010		
			SDG Ref	101102-2	101102-2	101102-2	101102-2		
			Lab Sample No.(s)	2329121	2329167	2329153	2329134		
			AGS Reference						
Total Aliphatics >C5-C35 (aq)	<10 µg/l	TM174		29	<10	309	589		
Total Aromatics >C6-C35 (aq)	<10 µg/l	TM174		11	<10	405	383		
Total Aliphatics & Aromatics >C5-35 (aq)	<10 µg/l	TM174		40	<10	714	972		
Aliphatics >C12-C16 (aq)	<10 µg/l	TM174		<10	<10	<10	119		
Aromatics >EC12-EC16 (aq)	<10 µg/l	TM174		<10	<10	45	57		
Aliphatics >C16-C21 (aq)	<10 µg/l	TM174		<10	<10	63	190		
Aromatics >EC16-EC21 (aq)	<10 µg/l	TM174		<10	<10	65	126		
Aliphatics >C21-C35 (aq)	<10 µg/l	TM174		<10	<10	246	273		
Aromatics >EC21-EC35 (aq)	<10 µg/l	TM174		<10	<10	291	195		
Total Aliphatics >C12-C35 (aq)	<10 µg/l	TM174		<10	<10	309	582		
Total Aromatics >EC12-EC35 (aq)	<10 µg/l	TM174		<10	<10	401	378		
Total Aliphatics & Aromatics >C12-C35 (Aqueous)	<10 µg/l	TM174		<10	<10	710	960		
GRO Surrogate % recovery**	%	TM245		91	92	75	90		
Methyl tertiary butyl ether (MTBE)	<3 µg/l	TM245		<3 #	<3 #	<3 #	<3 #		
Benzene	<7 µg/l	TM245		<7 #	<7 #	<7 #	<7 #		
Toluene	<4 µg/l	TM245		<4 #	<4 #	<4 #	<4 #		
Ethylbenzene	<5 µg/l	TM245		<5 #	<5 #	<5 #	<5 #		
m,p-Xylene	<8 µg/l	TM245		<8 #	<8 #	<8 #	<8 #		
o-Xylene	<3 µg/l	TM245		<3 #	<3 #	<3 #	<3 #		
Aliphatics >C5-C6	<10 µg/l	TM245		<10	<10	<10	<10		
Aliphatics >C6-C8	<10 µg/l	TM245		13	<10	<10	<10		
Aliphatics >C8-C10	<10 µg/l	TM245		<10	<10	<10	<10		
Aliphatics >C10-C12	<10 µg/l	TM245		<10	<10	<10	<10		
Total Aliphatics >C5-C12	<10 µg/l	TM245		29	<10	<10	<10		
Aromatics >EC5-EC7	<10 µg/l	TM245		<10	<10	<10	<10		
Aromatics >EC7-EC8	<10 µg/l	TM245		<10	<10	<10	<10		
Aromatics >EC8-EC10	<10 µg/l	TM245		<10	<10	<10	<10		
Aromatics >EC10-EC12	<10 µg/l	TM245		<10	<10	<10	<10		
Total Aromatics >EC5-EC12	<10 µg/l	TM245		11	<10	<10	<10		
m,p,o-Xylene	<10 µg/l	TM245		<10	<10	<10	<10		
BTEX, Total	<10 µg/l	TM245		<10	<10	<10	<10		
GRO >C5-C12	<50 µg/l	TM245		<50 #	<50 #	<50 #	<50 #		

ALcontrol Laboratories Analytical Services

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Reference:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

VOC MS (W)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	36"	NSR IN	NSR OUT
			Depth (m)			
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	01/11/2010	01/11/2010	01/11/2010
			Date Received	02/11/2010	02/11/2010	02/11/2010
			SDG Ref	101102-2	101102-2	101102-2
			Lab Sample No.(s)	2329121	2329153	2329134
			AGS Reference			
Dibromofluoromethane**	%	TM208		107	109	107
Toluene-d8**	%	TM208		98.2	97.9	99.5
4-Bromofluorobenzene**	%	TM208		98.6	97.7	97.8
Dichlorodifluoromethane	<7 µg/l	TM208		<7 #	<7 #	<7 #
Chloromethane	<9 µg/l	TM208		<9 #	<9 #	<9 #
Vinyl chloride	<1.2 µg/l	TM208		<1.2 #	<1.2 #	<1.2 #
Bromomethane	<2 µg/l	TM208		<2 #	<2 #	<2 #
Chloroethane	<2.5 µg/l	TM208		<2.5 #	<2.5 #	<2.5 #
Trichlorofluoromethane	<1.3 µg/l	TM208		<1.3 #	<1.3 #	<1.3 #
1,1-Dichloroethene	<1.2 µg/l	TM208		<1.2 #	<1.2 #	<1.2 #
Carbon disulphide	<1.3 µg/l	TM208		<1.3 #	<1.3 #	<1.3 #
Dichloromethane	<3.7 µg/l	TM208		<3.7 #	<3.7 #	<3.7 #
Methyl tertiary butyl ether (MTBE)	<1.6 µg/l	TM208		<1.6 #	<1.6 #	<1.6 #
trans-1,2-Dichloroethene	<1.9 µg/l	TM208		<1.9 #	<1.9 #	<1.9 #
1,1-Dichloroethane	<1.2 µg/l	TM208		<1.2 #	<1.2 #	<1.2 #
cis-1,2-Dichloroethene	<2.3 µg/l	TM208		<2.3 #	<2.3 #	<2.3 #
2,2-Dichloropropane	<3.8 µg/l	TM208		<3.8 #	<3.8 #	<3.8 #
Bromochloromethane	<1.9 µg/l	TM208		<1.9 #	<1.9 #	<1.9 #
Chloroform	<1.8 µg/l	TM208		<1.8 #	<1.8 #	<1.8 #
1,1,1-Trichloroethane	<1.3 µg/l	TM208		<1.3 #	<1.3 #	<1.3 #
1,1-Dichloropropene	<1.3 µg/l	TM208		<1.3 #	<1.3 #	<1.3 #
Carbontetrachloride	<1.4 µg/l	TM208		<1.4 #	<1.4 #	<1.4 #
1,2-Dichloroethane	<3.3 µg/l	TM208		80.4	52.1	<3.3
Benzene	<1.3 µg/l	TM208		<1.3 #	<1.3 #	<1.3 #
Trichloroethene	<2.5 µg/l	TM208		<2.5 #	<2.5 #	<2.5 #
1,2-Dichloropropane	<3 µg/l	TM208		<3 #	<3 #	<3 #
Dibromomethane	<2.7 µg/l	TM208		<2.7 #	<2.7 #	<2.7 #
Bromodichloromethane	<0.9 µg/l	TM208		<0.9 #	<0.9 #	<0.9 #
cis-1,3-Dichloropropene	<1.9 µg/l	TM208		<1.9 #	<1.9 #	<1.9 #
Toluene	<1.4 µg/l	TM208		<1.4 #	<1.4 #	<1.4 #
trans-1,3-Dichloropropene	<3.5 µg/l	TM208		<3.5 #	<3.5 #	<3.5 #
1,1,2-Trichloroethane	<2.2 µg/l	TM208		<2.2 #	<2.2 #	<2.2 #
1,3-Dichloropropane	<2.2 µg/l	TM208		<2.2 #	<2.2 #	<2.2 #
Tetrachloroethene	<1.5 µg/l	TM208		<1.5 #	<1.5 #	<1.5 #
Dibromochloromethane	<1.7 µg/l	TM208		<1.7 #	<1.7 #	<1.7 #
1,2-Dibromoethane	<2.3 µg/l	TM208		<2.3 #	<2.3 #	<2.3 #
Chlorobenzene	<3.5 µg/l	TM208		<3.5 #	<3.5 #	<3.5 #
1,1,1,2-Tetrachloroethane	<1.3 µg/l	TM208		<1.3 #	<1.3 #	<1.3 #
Ethylbenzene	<2.5 µg/l	TM208		<2.5 #	<2.5 #	<2.5 #

ALcontrol Laboratories Analytical Services

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Reference:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

VOC MS (W)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	36"	NSR IN	NSR OUT
Depth (m)			
Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
Date Sampled	01/11/2010	01/11/2010	01/11/2010
Date Received	02/11/2010	02/11/2010	02/11/2010
SDG Ref	101102-2	101102-2	101102-2
Lab Sample No.(s)	2329121	2329153	2329134
AGS Reference			

Component	LOD/Units	Method			
m,p-Xylene	<2.5 µg/l	TM208	<2.5 #	<2.5 #	<2.5 #
o-Xylene	<1.7 µg/l	TM208	<1.7 #	<1.7 #	<1.7 #
Styrene	<1.2 µg/l	TM208	<1.2 #	<1.2 #	<1.2 #
Bromoform	<3 µg/l	TM208	<3 #	<3 #	<3 #
Isopropylbenzene	<1.4 µg/l	TM208	<1.4 #	<1.4 #	<1.4 #
1,1,2,2-Tetrachloroethane	<5.2 µg/l	TM208	<5.2	<5.2	<5.2
1,2,3-Trichloropropane	<7.8 µg/l	TM208	<7.8 #	<7.8 #	<7.8 #
Bromobenzene	<2 µg/l	TM208	<2 #	<2 #	<2 #
Propylbenzene	<2.6 µg/l	TM208	<2.6 #	<2.6 #	<2.6 #
2-Chlorotoluene	<1.9 µg/l	TM208	<1.9 #	<1.9 #	<1.9 #
1,3,5-Trimethylbenzene	<1.8 µg/l	TM208	<1.8 #	<1.8 #	<1.8 #
4-Chlorotoluene	<1.9 µg/l	TM208	<1.9 #	<1.9 #	<1.9 #
tert-Butylbenzene	<2 µg/l	TM208	<2 #	<2 #	<2 #
1,2,4-Trimethylbenzene	<1.7 µg/l	TM208	<1.7 #	<1.7 #	<1.7 #
sec-Butylbenzene	<1.7 µg/l	TM208	<1.7 #	<1.7 #	<1.7 #
4-iso-Propyltoluene	<2.6 µg/l	TM208	<2.6 #	<2.6 #	<2.6 #
1,3-Dichlorobenzene	<2.2 µg/l	TM208	<2.2 #	<2.2 #	<2.2 #
1,4-Dichlorobenzene	<2.7 µg/l	TM208	<2.7 #	<2.7 #	<2.7 #
n-Butylbenzene	<2 µg/l	TM208	<2 #	<2 #	<2 #
1,2-Dichlorobenzene	<3.7 µg/l	TM208	<3.7	<3.7	<3.7
1,2-Dibromo-3-chloropropane	<9.8 µg/l	TM208	<9.8	<9.8	<9.8
1,2,4-Trichlorobenzene	<2.3 µg/l	TM208	<2.3 #	<2.3 #	<2.3 #
Hexachlorobutadiene	<2.5 µg/l	TM208	<2.5 #	<2.5 #	<2.5 #
tert-Amyl methyl ether (TAME)	<1 µg/l	TM208	<1 #	<1 #	<1 #
Naphthalene	<3.5 µg/l	TM208	<3.5 #	<3.5 #	<3.5 #
1,2,3-Trichlorobenzene	<3.1 µg/l	TM208	<3.1 #	<3.1 #	<3.1 #
1,3,5-Trichlorobenzene	<10 µg/l	TM208	<10	<10	<10

ALcontrol Laboratories Analytical Services

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Reference:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
			ADV10		Soil/Solid	01/11/2010	02/11/2010	101102-2	2329211	
			ADV11		Soil/Solid	01/11/2010	02/11/2010	101102-2	2329229	
			ADV12		Soil/Solid	01/11/2010	02/11/2010	101102-2	2329249	
			ADV13		Soil/Solid	01/11/2010	02/11/2010	101102-2	2329266	
			ADV14		Soil/Solid	01/11/2010	02/11/2010	101102-2	2329278	
			ADV9		Soil/Solid	01/11/2010	02/11/2010	101102-2	2329197	
Asbestos Containing Material Screen	-	TM001	No ACM Detected	No ACM Detected	No ACM Detected	No ACM Detected	No ACM Detected	No ACM Detected		
Organic Carbon, Total	<0.2 %	TM132	1 #	1.7 #	1.03 #	0.99 #	2.06 #	0.97 #		
pH	1 pH Units	TM133	8.49 M	8.13 M	8.6 M	7.93 M	7.36 M	8.23 M		
Arsenic	<0.6 mg/kg	TM181	17.3 M	20.9 M	9.62 M	19 M	33.7 M	13.7 M		
Cadmium	<0.02 mg/kg	TM181	1.75 M	1.43 M	1.36 M	1.35 M	1.73 M	1.34 M		
Chromium	<0.9 mg/kg	TM181	17.2 M	17.3 M	14.9 M	15.8 M	17.4 M	15 M		
Copper	<1.4 mg/kg	TM181	46.5 M	58.9 M	30.5 M	50 M	93.9 M	34 M		
Lead	<0.7 mg/kg	TM181	29.8 M	88.5 M	27.9 M	32.1 M	59.7 M	36.9 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	26.6 M	20.1 M	26.4 M	17.2 M	19 M	19.9 M		
Selenium	<1 mg/kg	TM181	<1 #	<1 #	<1 #	1.14 #	1.17 #	1.19 #		
Vanadium	<0.2 mg/kg	TM181			18.3 #					
Zinc	<1.9 mg/kg	TM181	119 M	190 M	111 M	110 M	207 M	96.4 M		

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Reference:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	ADV10	ADV11	ADV12	ADV13	ADV14	ADV9
			Depth (m)						
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	01/11/2010	01/11/2010	01/11/2010	01/11/2010	01/11/2010	01/11/2010
			Date Received	02/11/2010	02/11/2010	02/11/2010	02/11/2010	02/11/2010	02/11/2010
			SDG Ref	101102-2	101102-2	101102-2	101102-2	101102-2	101102-2
			Lab Sample No.(s)	2329211	2329229	2329249	2329266	2329278	2329197
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<200	<200	<200	<200	<200	<200
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Reference:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	ADV10	ADV11	ADV12	ADV13	ADV14	ADV9
			Depth (m)						
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	01/11/2010	01/11/2010	01/11/2010	01/11/2010	01/11/2010	01/11/2010
			Date Received	02/11/2010	02/11/2010	02/11/2010	02/11/2010	02/11/2010	02/11/2010
			SDG Ref	101102-2	101102-2	101102-2	101102-2	101102-2	101102-2
			Lab Sample No.(s)	2329211	2329229	2329249	2329266	2329278	2329197
			AGS Reference						
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	249
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	338
Benzo(a)anthracene	<100 µg/kg	TM157		312	129	128	<100	<100	1620
Benzo(b)fluoranthene	<100 µg/kg	TM157		238	<100	<100	<100	<100	1030
Benzo(k)fluoranthene	<100 µg/kg	TM157		268	<100	<100	<100	<100	1330
Benzo(a)pyrene	<100 µg/kg	TM157		374	145	125	<100	<100	1870
Benzo(g,h,i)perylene	<100 µg/kg	TM157		171	<100	<100	<100	<100	782
Chrysene	<100 µg/kg	TM157		367	167	183	124	<100	1630
Fluoranthene	<100 µg/kg	TM157		683	316	263	125	119	3670
Fluorene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		153	<100	<100	<100	<100	693
Phenanthrene	<100 µg/kg	TM157		198	<100	162	146	<100	548
Pyrene	<100 µg/kg	TM157		527	235	189	<100	<100	2820
Naphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	151

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Reference:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

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 the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	ADV10	ADV11	ADV12	ADV13	ADV14	ADV9
			Depth (m)						
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	01/11/2010	01/11/2010	01/11/2010	01/11/2010	01/11/2010	01/11/2010
			Date Received	02/11/2010	02/11/2010	02/11/2010	02/11/2010	02/11/2010	02/11/2010
			SDG Ref	101102-2	101102-2	101102-2	101102-2	101102-2	101102-2
			Lab Sample No.(s)	2329211	2329229	2329249	2329266	2329278	2329197
			AGS Reference						
Aliphatics >C12-C16	<100 µg/kg	TM173		711	2850	4080	795	31500	3710
Aliphatics >C16-C21	<100 µg/kg	TM173		1180	2690	6050	869	10300	3870
Aliphatics >C21-C35	<100 µg/kg	TM173		8360	9860	11800	15900	32000	8380
Aliphatics >C35-C44	<100 µg/kg	TM173		1370	1870	2760	17200	11700	981
Aromatics >EC12-EC16	<100 µg/kg	TM173		1690	3420	1760	1850	6930	2580
Aromatics >EC16-EC21	<100 µg/kg	TM173		4070	8640	4500	3130	6950	11700
Aromatics >EC21-EC35	<100 µg/kg	TM173		12200	26800	13700	36900	45400	33300
Aromatics >EC35-EC44	<100 µg/kg	TM173		3570	12500	7090	50800	23700	10500
Aromatics >EC40-EC44	<100 µg/kg	TM173		1210	5860	2450	24900	8950	4670
Total Aliphatics >C12-C44	<100 µg/kg	TM173		11600	17300	24700	34800	85500	16900
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		21500	51300	27100	92600	83000	58100
Total Aliphatics >C5-35	<100 µg/kg	TM173		10300	15400	21900	17500	81600	16000
Total Aliphatics >C5-C44	<100 µg/kg	TM173		11600	17300	24700	34800	93300	16900
Total Aromatics >C5-35	<100 µg/kg	TM173		18000	38900	20000	41800	64500	47600
Total Aromatics >C6-C44	<100 µg/kg	TM173		21500	51400	27100	92600	88200	58100
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		28200	54300	41900	59400	146000	63600
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		33200	68700	51800	127000	181000	75100
GRO Surrogate % recovery**	%	TM089		78	75	90	98	115	79
GRO >C5-C12	<44 µg/kg	TM089		<44	80	<44	<44	13000	<44
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	<2 M	<2 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
Aliphatics >C5-C6	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		<10	<10	<10	<10	51	<10
Aliphatics >C8-C10	<10 µg/kg	TM089		<10	13.9	<10	<10	2450	<10
Aliphatics >C10-C12	<10 µg/kg	TM089		<10	29	<10	<10	5330	<10
Total Aliphatics >C5-C12	<10 µg/kg	TM089		<10	49.9	<10	<10	7830	<10
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		<10	10.4	<10	<10	1630	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089		<10	19.7	<10	<10	3550	<10
Total Aromatics >EC5-EC12	<10 µg/kg	TM089		<10	30.2	<10	<10	5180	<10
m,p,o-Xylene	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
BTEX, Total	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Reference:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	ADV10	ADV11	ADV12	ADV13	ADV14	ADV9
			Depth (m)						
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	01/11/2010	01/11/2010	01/11/2010	01/11/2010	01/11/2010	01/11/2010
			Date Received	02/11/2010	02/11/2010	02/11/2010	02/11/2010	02/11/2010	02/11/2010
			SDG Ref	101102-2	101102-2	101102-2	101102-2	101102-2	101102-2
			Lab Sample No.(s)	2329211	2329229	2329249	2329266	2329278	2329197
			AGS Reference						
Dibromofluoromethane**	%	TM116		111	83.9	96.7	103	103	101
Toluene-d8**	%	TM116		97.1	93.6	95.6	96.3	92.6	96.3
4-Bromofluorobenzene**	%	TM116		117	126	114	125	124	127
Dichlorodifluoromethane	<4 µg/kg	TM116		<4 M	<4 M	<4 M	<4 M	<4 M	<4 M
Chloromethane	<7 µg/kg	TM116		<7 #	<7 #	<7 #	<7 #	<7 #	<7 #
Vinyl Chloride	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Bromomethane	<13 µg/kg	TM116		<13 M	<13 M	<13 M	<13 M	<13 M	<13 M
Chloroethane	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
Trichlorofluorormethane	<6 µg/kg	TM116		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
1.1-Dichloroethene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Carbon Disulphide	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	10.3 M	<7 M
Dichloromethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M	<11 M	<11 M
trans-1-2-Dichloroethene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M	<11 M	<11 M
1.1-Dichloroethane	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
cis-1-2-Dichloroethene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
2.2-Dichloropropane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Bromochloromethane	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
Chloroform	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
1.1.1-Trichloroethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	<7 M	<7 M
1.1-Dichloropropene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M	<11 M	<11 M
Carbontetrachloride	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
1.2-Dichloroethane	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M	<9 M	<9 M
Trichloroethene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	11.1 M	<9 M	<9 M
1.2-Dichloropropane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Dibromomethane	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M	<9 M	<9 M
Bromodichloromethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	<7 M	<7 M
cis-1-3-Dichloropropene	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
Toluene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
trans-1-3-Dichloropropene	<14 µg/kg	TM116		<14	<14	<14	<14	<14	<14
1.1.2-Trichloroethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
1.3-Dichloropropane	<7 µg/kg	TM116		<7 #	<7 #	<7 #	<7 #	<7 #	<7 #
Tetrachloroethene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Dibromochloromethane	<13 µg/kg	TM116		<13 M	<13 M	<13 M	<13 M	<13 M	<13 M
1.2-Dibromoethane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Chorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
1.1.1.2-Tetrachloroethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Ethylbenzene	<4 µg/kg	TM116		<4 M	<4 M	<4 M	<4 M	<4 M	<4 M

ALcontrol Laboratories Analytical Services

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Reference:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref. / Depth (m) / Sample Type / Date Sampled / Date Received / SDG Ref / Lab Sample No.(s) / AGS Reference					
			ADV10	ADV11	ADV12	ADV13	ADV14	ADV9
			Soil/Solid 01/11/2010 02/11/2010 101102-2 2329211	Soil/Solid 01/11/2010 02/11/2010 101102-2 2329229	Soil/Solid 01/11/2010 02/11/2010 101102-2 2329249	Soil/Solid 01/11/2010 02/11/2010 101102-2 2329266	Soil/Solid 01/11/2010 02/11/2010 101102-2 2329278	Soil/Solid 01/11/2010 02/11/2010 101102-2 2329197
p/m-Xylene	<14 µg/kg	TM116	<14 #	<14 #	<14 #	<14 #	<14 #	<14 #
o-Xylene	<10 µg/kg	TM116	<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Styrene	<10 µg/kg	TM116	<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Bromoform	<10 µg/kg	TM116	<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Isopropylbenzene	<5 µg/kg	TM116	<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
1.1.2.2-Tetrachloroethane	<10 µg/kg	TM116	<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
1.2.3-Trichloropropane	<17 µg/kg	TM116	<17 M	<17 M	<17 M	<17 M	<17 M	<17 M
Bromobenzene	<10 µg/kg	TM116	<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Propylbenzene	<11 µg/kg	TM116	<11 M	<11 M	<11 M	<11 M	<11 M	<11 M
2-Chlorotoluene	<9 µg/kg	TM116	<9 M	<9 M	<9 M	<9 M	<9 M	<9 M
1.3.5-Trimethylbenzene	<8 µg/kg	TM116	<8 #	<8 #	<8 #	<8 #	<8 #	<8 #
4-Chlorotoluene	<12 µg/kg	TM116	<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
tert-Butylbenzene	<12 µg/kg	TM116	<12 #	<12 #	<12 #	<12 #	<12 #	<12 #
1.2.4-Trimethylbenzene	<9 µg/kg	TM116	<9 #	<9 #	<9 #	<9 #	<9 #	<9 #
sec-Butylbenzene	<10 µg/kg	TM116	<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
4-Isopropyltoluene	<11 µg/kg	TM116	<11 M	<11 M	<11 M	<11 M	<11 M	<11 M
1.3-Dichlorobenzene	<6 µg/kg	TM116	<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
1.4-Dichlorobenzene	<5 µg/kg	TM116	<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
n-Butylbenzene	<10 µg/kg	TM116	<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
1.2-Dichlorobenzene	<12 µg/kg	TM116	<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
1.2-Dibromo-3-chloropropane	<14 µg/kg	TM116	<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
Tert-amyl methyl ether	<15 µg/kg	TM116	<15	<15	<15	<15	<15	<15
1.2.4-Trichlorobenzene	<6 µg/kg	TM116	<6 #	<6 #	<6 #	<6 #	<6 #	<6 #
Hexachlorobutadiene	<12 µg/kg	TM116	<12	<12	<12	<12	<12	<12
Naphthalene	<13 µg/kg	TM116	<13 M	<13 M	<13 M	<13 M	<13 M	<13 M
1.2.3-Trichlorobenzene	<6 µg/kg	TM116	<6 M	<6 M	<6 M	<6 M	<6 M	<6 M

Validated

ALcontrol Laboratories Analytical Services

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Reference:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	ADV15	ADV16
			Depth (m)		
			Sample Type	Soil/Solid	Soil/Solid
			Date Sampled	01/11/2010	01/11/2010
			Date Received	02/11/2010	02/11/2010
			SDG Ref	101102-2	101102-2
			Lab Sample No.(s)	2329288	2329302
			AGS Reference		
Asbestos Containing Material Screen	-	TM001		No ACM Detected	No ACM Detected
Organic Carbon, Total	<0.2 %	TM132		1.7 #	2.24 #
pH	1 pH Units	TM133		8.28 M	7.23 M
Arsenic	<0.6 mg/kg	TM181		15.8 M	36.6 M
Cadmium	<0.02 mg/kg	TM181		1.17 M	1.68 M
Chromium	<0.9 mg/kg	TM181		16.6 M	17.4 M
Copper	<1.4 mg/kg	TM181		40.5 M	101 M
Lead	<0.7 mg/kg	TM181		35.5 M	59.7 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		17.4 M	19.1 M
Selenium	<1 mg/kg	TM181		<1 #	1.21 #
Zinc	<1.9 mg/kg	TM181		118 M	248 M

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Reference:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	ADV15	ADV16
			Depth (m)		
			Sample Type	Soil/Solid	Soil/Solid
			Date Sampled	01/11/2010	01/11/2010
			Date Received	02/11/2010	02/11/2010
			SDG Ref	101102-2	101102-2
			Lab Sample No.(s)	2329288	2329302
			AGS Reference		
Phenol	<100 µg/kg	TM157		<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<200	<200
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100
2-Chlorophenol	<100 µg/kg	TM157		<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Reference:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	ADV15	ADV16
			Depth (m)		
			Sample Type	Soil/Solid	Soil/Solid
			Date Sampled	01/11/2010	01/11/2010
			Date Received	02/11/2010	02/11/2010
			SDG Ref	101102-2	101102-2
			Lab Sample No.(s)	2329288	2329302
			AGS Reference		
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100
Anthracene	<100 µg/kg	TM157		<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		154	<100
Benzo(b)fluoranthene	<100 µg/kg	TM157		169	<100
Benzo(k)fluoranthene	<100 µg/kg	TM157		166	<100
Benzo(a)pyrene	<100 µg/kg	TM157		201	<100
Benzo(g,h,i)perylene	<100 µg/kg	TM157		127	<100
Chrysene	<100 µg/kg	TM157		245	<100
Fluoranthene	<100 µg/kg	TM157		282	<100
Fluorene	<100 µg/kg	TM157		<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	<100
Phenanthrene	<100 µg/kg	TM157		241	<100
Pyrene	<100 µg/kg	TM157		208	<100
Naphthalene	<100 µg/kg	TM157		<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Reference:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

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 the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	ADV15	ADV16
			Depth (m)		
			Sample Type	Soil/Solid	Soil/Solid
			Date Sampled	01/11/2010	01/11/2010
			Date Received	02/11/2010	02/11/2010
			SDG Ref	101102-2	101102-2
			Lab Sample No.(s)	2329288	2329302
			AGS Reference		
Aliphatics >C12-C16	<100 µg/kg	TM173		1600	15900
Aliphatics >C16-C21	<100 µg/kg	TM173		1890	7040
Aliphatics >C21-C35	<100 µg/kg	TM173		18900	13900
Aliphatics >C35-C44	<100 µg/kg	TM173		57600	3270
Aromatics >EC12-EC16	<100 µg/kg	TM173		686	4230
Aromatics >EC16-EC21	<100 µg/kg	TM173		4300	5240
Aromatics >EC21-EC35	<100 µg/kg	TM173		34800	21400
Aromatics >EC35-EC44	<100 µg/kg	TM173		42200	9790
Aromatics >EC40-EC44	<100 µg/kg	TM173		20700	3700
Total Aliphatics >C12-C44	<100 µg/kg	TM173		80000	40100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		81900	40600
Total Aliphatics >C5-35	<100 µg/kg	TM173		22400	38100
Total Aliphatics >C5-C44	<100 µg/kg	TM173		80000	41400
Total Aromatics >C5-35	<100 µg/kg	TM173		39800	31700
Total Aromatics >C6-C44	<100 µg/kg	TM173		81900	41500
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		62200	69800
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		162000	82900
GRO Surrogate % recovery**	%	TM089		95	114
GRO >C5-C12	<44 µg/kg	TM089		<44	2190
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 #	<5 #
Benzene	<10 µg/kg	TM089		<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M
Aliphatics >C5-C6	<10 µg/kg	TM089		<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		<10	15.2
Aliphatics >C8-C10	<10 µg/kg	TM089		<10	297
Aliphatics >C10-C12	<10 µg/kg	TM089		<10	999
Total Aliphatics >C5-C12	<10 µg/kg	TM089		<10	1320
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		<10	200
Aromatics >EC10-EC12	<10 µg/kg	TM089		<10	666
Total Aromatics >EC5-EC12	<10 µg/kg	TM089		<10	867
m,p,o-Xylene	<10 µg/kg	TM089		<10	<10
BTEX, Total	<10 µg/kg	TM089		<10	<10

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Reference:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	ADV15	ADV16
			Depth (m)		
			Sample Type	Soil/Solid	Soil/Solid
			Date Sampled	01/11/2010	01/11/2010
			Date Received	02/11/2010	02/11/2010
			SDG Ref	101102-2	101102-2
			Lab Sample No.(s)	2329288	2329302
			AGS Reference		
Dibromofluoromethane**	%	TM116		96.6	103
Toluene-d8**	%	TM116		95.4	95.5
4-Bromofluorobenzene**	%	TM116		130	123
Dichlorodifluoromethane	<4 µg/kg	TM116		<4 M	<4 M
Chloromethane	<7 µg/kg	TM116		<7 #	<7 #
Vinyl Chloride	<10 µg/kg	TM116		<10 #	<10 #
Bromomethane	<13 µg/kg	TM116		<13 M	<13 M
Chloroethane	<14 µg/kg	TM116		<14 M	<14 M
Trichlorofluorormethane	<6 µg/kg	TM116		<6 M	<6 M
1.1-Dichloroethene	<10 µg/kg	TM116		<10 #	<10 #
Carbon Disulphide	<7 µg/kg	TM116		<7 M	<7 M
Dichloromethane	<10 µg/kg	TM116		<10 #	<10 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<11 M	<11 M
trans-1-2-Dichloroethene	<11 µg/kg	TM116		<11 M	<11 M
1.1-Dichloroethane	<8 µg/kg	TM116		<8 M	<8 M
cis-1-2-Dichloroethene	<5 µg/kg	TM116		<5 M	<5 M
2.2-Dichloropropane	<12 µg/kg	TM116		<12 M	<12 M
Bromochloromethane	<14 µg/kg	TM116		<14 M	<14 M
Chloroform	<8 µg/kg	TM116		<8 M	<8 M
1.1.1-Trichloroethane	<7 µg/kg	TM116		<7 M	<7 M
1.1-Dichloropropene	<11 µg/kg	TM116		<11 M	<11 M
Carbontetrachloride	<14 µg/kg	TM116		<14 M	<14 M
1.2-Dichloroethane	<5 µg/kg	TM116		<5 M	<5 M
Benzene	<9 µg/kg	TM116		<9 M	<9 M
Trichloroethene	<9 µg/kg	TM116		<9 M	<9 M
1.2-Dichloropropane	<12 µg/kg	TM116		<12 M	<12 M
Dibromomethane	<9 µg/kg	TM116		<9 M	<9 M
Bromodichloromethane	<7 µg/kg	TM116		<7 M	<7 M
cis-1-3-Dichloropropene	<14 µg/kg	TM116		<14 M	<14 M
Toluene	<5 µg/kg	TM116		<5 M	<5 M
trans-1-3-Dichloropropene	<14 µg/kg	TM116		<14	<14
1.1.2-Trichloroethane	<10 µg/kg	TM116		<10 M	<10 M
1.3-Dichloropropane	<7 µg/kg	TM116		<7 #	<7 #
Tetrachloroethene	<5 µg/kg	TM116		<5 M	<5 M
Dibromochloromethane	<13 µg/kg	TM116		<13 M	<13 M
1.2-Dibromoethane	<12 µg/kg	TM116		<12 M	<12 M
Chorobenzene	<5 µg/kg	TM116		<5 M	<5 M
1.1.1.2-Tetrachloroethane	<10 µg/kg	TM116		<10 M	<10 M
Ethylbenzene	<4 µg/kg	TM116		<4 M	<4 M

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Reference:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
			ADV15		Soil/Solid	01/11/2010	02/11/2010	101102-2	2329288	
			ADV16		Soil/Solid	01/11/2010	02/11/2010	101102-2	2329302	
p/m-Xylene	<14 µg/kg	TM116	<14 #							
o-Xylene	<10 µg/kg	TM116	<10 M							
Styrene	<10 µg/kg	TM116	<10 M							
Bromoform	<10 µg/kg	TM116	<10 M							
Isopropylbenzene	<5 µg/kg	TM116	<5 M							
1.1.2.2-Tetrachloroethane	<10 µg/kg	TM116	<10 #							
1.2.3-Trichloropropane	<17 µg/kg	TM116	<17 M							
Bromobenzene	<10 µg/kg	TM116	<10 M							
Propylbenzene	<11 µg/kg	TM116	<11 M							
2-Chlorotoluene	<9 µg/kg	TM116	<9 M							
1.3.5-Trimethylbenzene	<8 µg/kg	TM116	<8 #							
4-Chlorotoluene	<12 µg/kg	TM116	<12 M							
tert-Butylbenzene	<12 µg/kg	TM116	<12 #							
1.2.4-Trimethylbenzene	<9 µg/kg	TM116	<9 #							
sec-Butylbenzene	<10 µg/kg	TM116	<10 M							
4-Isopropyltoluene	<11 µg/kg	TM116	<11 M							
1.3-Dichlorobenzene	<6 µg/kg	TM116	<6 M							
1.4-Dichlorobenzene	<5 µg/kg	TM116	<5 M							
n-Butylbenzene	<10 µg/kg	TM116	<10 M							
1.2-Dichlorobenzene	<12 µg/kg	TM116	<12 M							
1.2-Dibromo-3-chloropropane	<14 µg/kg	TM116	<14 M							
Tert-amyl methyl ether	<15 µg/kg	TM116	<15							
1.2.4-Trichlorobenzene	<6 µg/kg	TM116	<6 #							
Hexachlorobutadiene	<12 µg/kg	TM116	<12							
Naphthalene	<13 µg/kg	TM116	<13 M							
1.2.3-Trichlorobenzene	<6 µg/kg	TM116	<6 M							

Table of Results - Appendix

SDG Number : 101102-2 **Client :** H_ATKINS_LDC **Client Ref :** CBL, 36 inch, NSR and Area 1 SPs

REPORT KEY

Results expressed as (e.g.) 1.03E-07 is equivalent to 1.03x10-7

NDP	No Determination Possible	#	ISO 17025 Accredited	*	Subcontracted Test	M	MCERTS Accredited
NFD	No Fibres Detected	PFD	Possible Fibres Detected	»	Result previously reported (Incremental reports only)	EC	Equivalent Carbon (Aromatics C8-C35)

Note: Method detection limits are not always achievable due to various circumstances beyond our control

Method No	Reference	Description	Wet/Dry Sample [1]	Surrogate Corrected
PM001		Preparation of Samples for Metals Analysis		
PM024	Modified BS 1377	Soil preparation including homogenisation, moisture screens of soils for Asbestos Containing Material		
TM001	In - house Method	Determination of asbestos containing material by screening on solids		
TM022	Method 2540D, AWWA/APHA, 20th Ed., 1999 / BS 2690: Part120 1981;BS EN 872	Determination of total suspended solids in waters		
TM045	MEWAM BOD5 2nd Ed.HMSO 1988 / Method 5210B, AWWA/APHA, 20th Ed., 1999; SCA Blue Book 130	Determination of BOD5 (ATU) Filtered by Oxygen Meter on liquids		
TM061	Method for the Determination of EPH,Massachusetts Dept.of EP, 1998	Determination of Extractable Petroleum Hydrocarbons by GC-FID (C10-C40)		
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)		
TM099	BS 2690: Part 7:1968 / BS 6068: Part2.11:1984	Determination of Ammonium in Water Samples using the Kone Analyser		
TM107	ISO 6060-1989	Determination of Chemical Oxygen Demand using COD Dr Lange Kit		
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS		
TM120	Method 2510B, AWWA/APHA, 20th Ed., 1999 / BS 2690: Part 9:1970	Determination of Electrical Conductivity using a Conductivity Meter		
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		
TM152	Method 3125B, AWWA/APHA, 20th Ed., 1999	Analysis of Aqueous Samples by ICP-MS		
TM157	HP 6890 Gas Chromatograph (GC) system and HP 5973 Mass Selective Detector (MSD).	Determination of SVOC in Soils by GC-MS extracted by sonication in DCM/Acetone		
TM173	Analysis of Petroleum Hydrocarbons in Environmental Media – Total Petroleum Hydrocarbon Criteria	Determination of Speciated Extractable Petroleum Hydrocarbons in Soils by GC-FID		
TM174	Analysis of Petroleum Hydrocarbons in Environmental Media – Total Petroleum Hydrocarbon Criteria	Determination of Speciated Extractable Petroleum Hydrocarbons in Waters by GC-FID		
TM176	EPA 8270D Semi-Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	Determination of SVOCs in Water by GCMS		
TM181	US EPA Method 6010B	Determination of Routine Metals in Soil by iCap 6500 Duo ICP-OES		
TM184	EPA Methods 325.1 & 325.2,	The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers		
TM208	Modified: US EPA Method 8260b & 624	Determination of Volatile Organic Compounds by Headspace / GC-MS in Waters		
TM245	By GC-FID	Determination of GRO by Headspace in waters		
TM256	The measurement of Electrical Conductivity and the Laboratory determination of pH Value of Natural, Treated and Wastewaters. HMSO, 1978. ISBN 011 751428 4.	Determination of pH in Water and Leachate using the GLpH pH Meter		
TM259		Determination of Phenols in Waters and Leachates by HPLC		

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

ALcontrol Laboratories Analytical Services

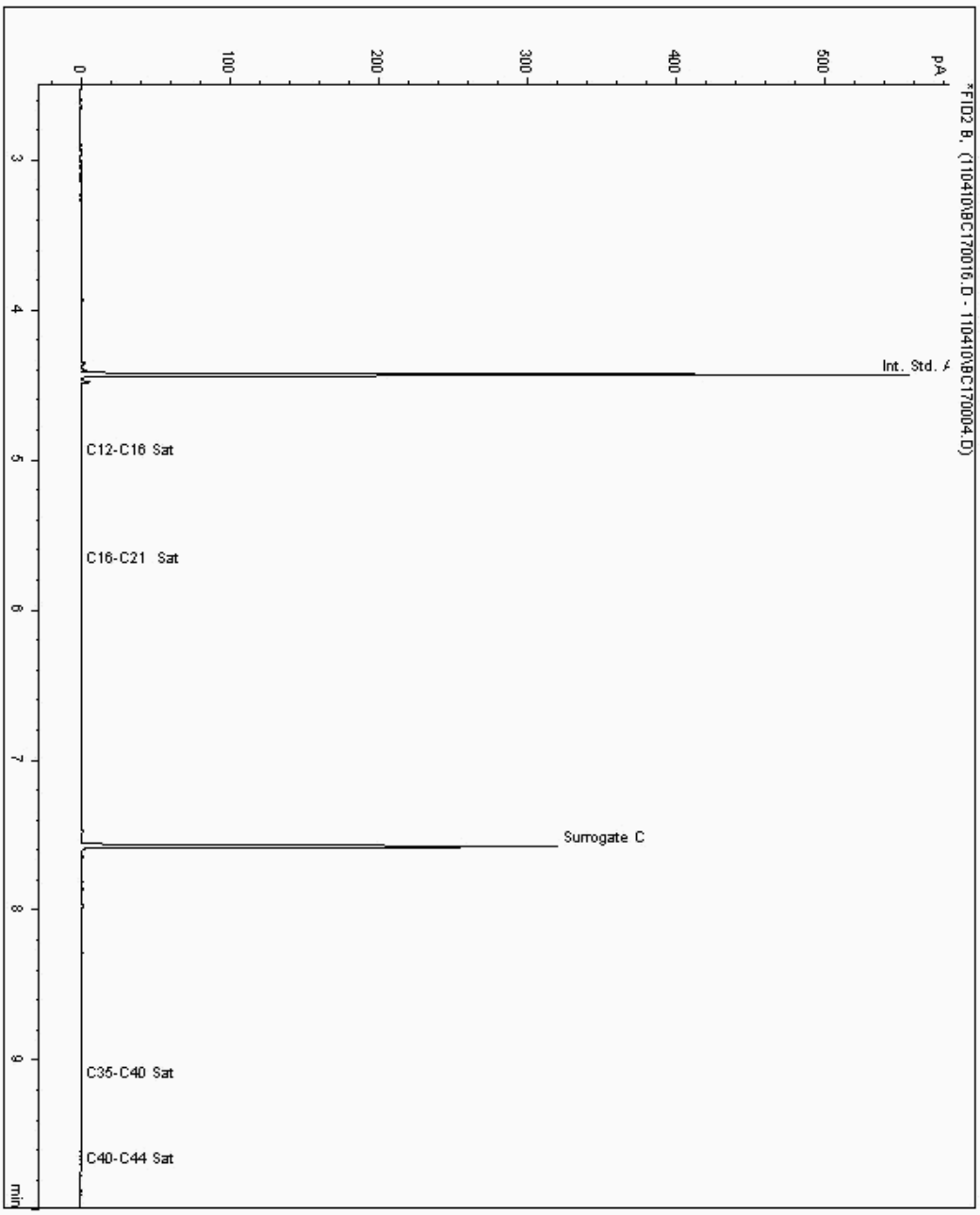
SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

Chromatogram

Analysis:	EPH CWG (Aliphatic) GC (S)	**Sample No**	2337250
		Sample ID	ADV10
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 2425639-2337250
Date Acquired : 04/11/10 14:57:15 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 1.000



Validated

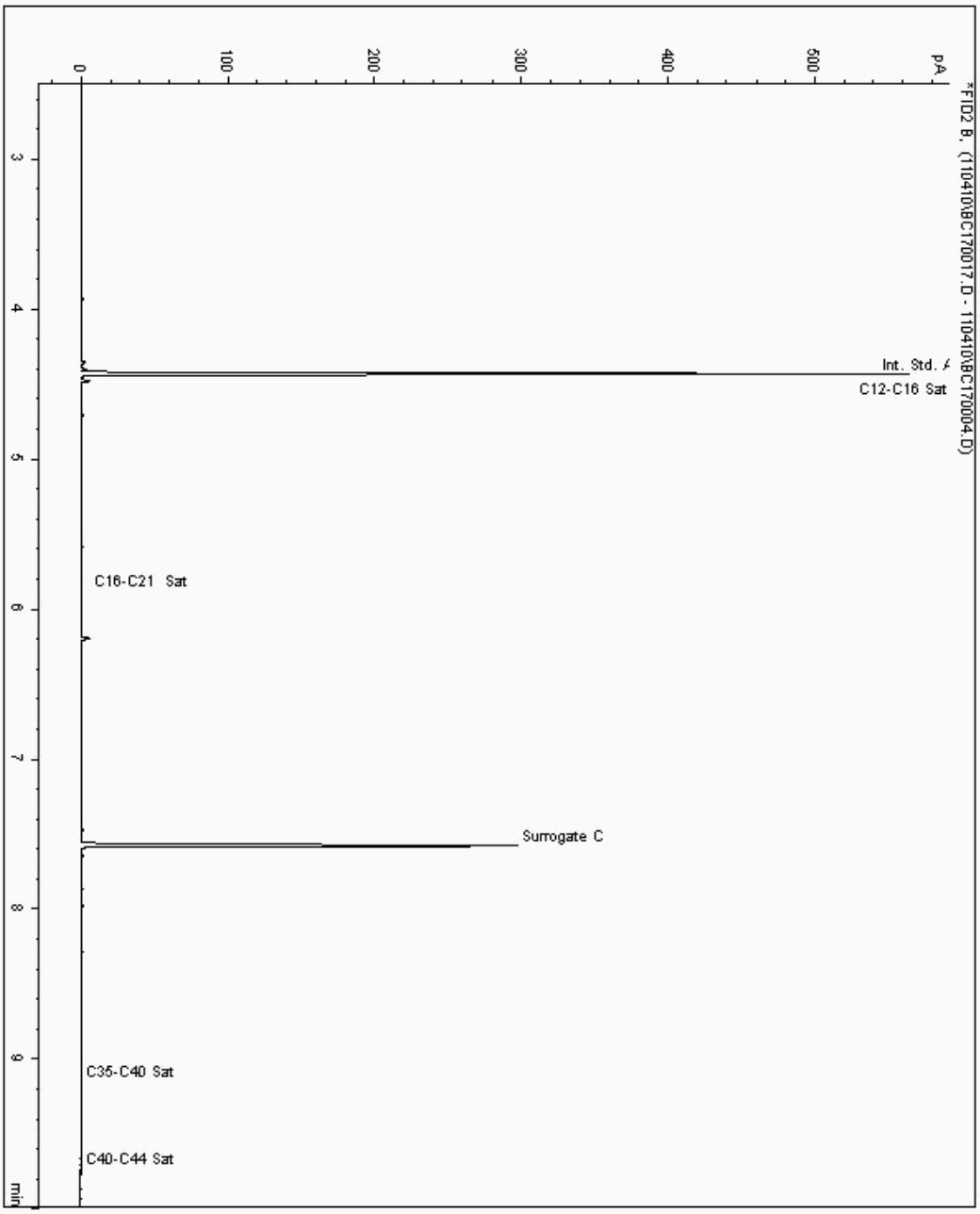
ALcontrol Laboratories Analytical Services

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

Analysis:	EPH CWG (Aliphatic) GC (S)	**Sample No**	2337266
		Sample ID	ADV9
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 2425623-2337266
Date Acquired : 04/11/10 15:16:46 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 1.000



Validated

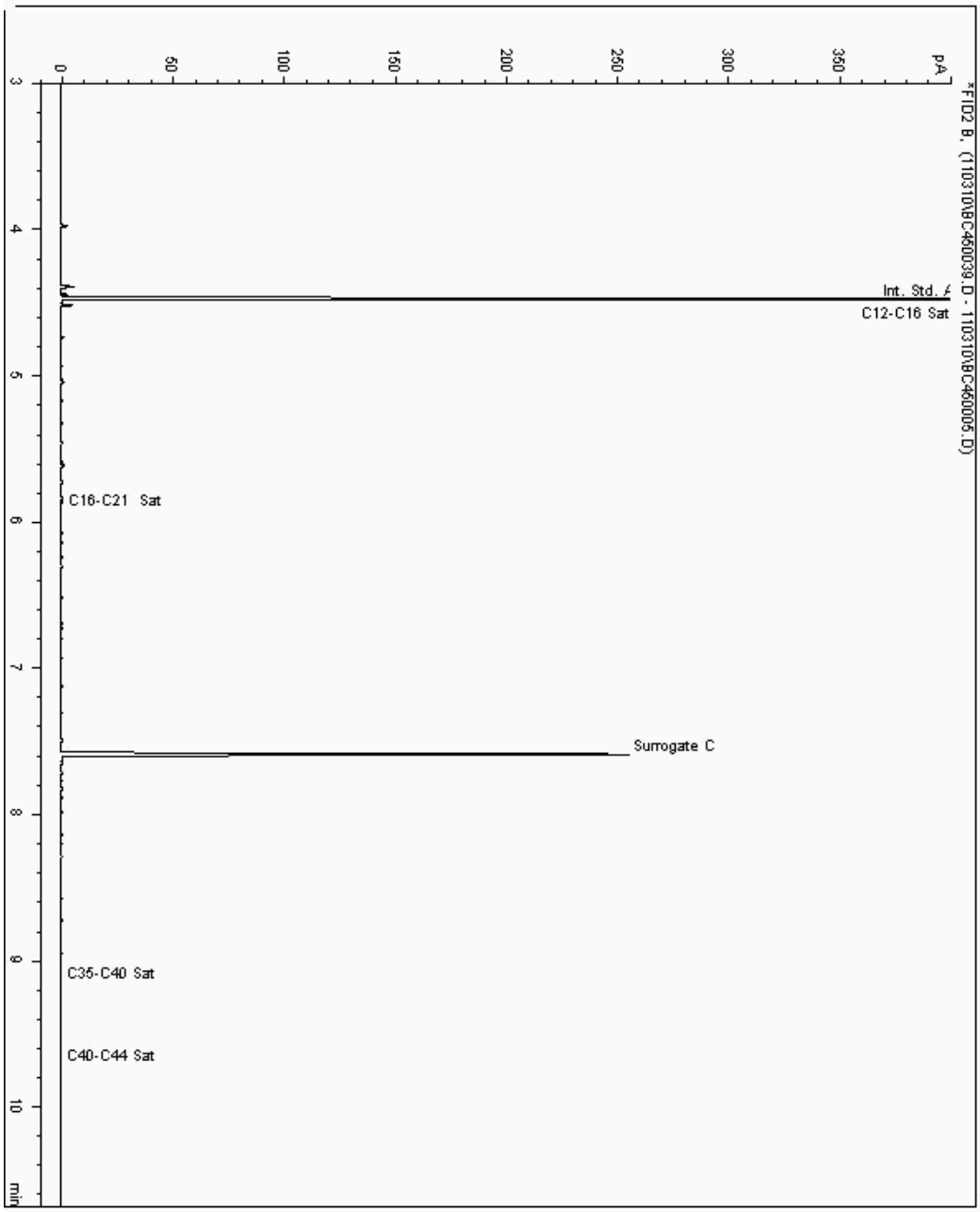
ALcontrol Laboratories Analytical Services

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

Analysis:	EPH CWG (Aliphatic) GC (S)	**Sample No**	2337591
		Sample ID	ADV12
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 2425669-2337591
Date Acquired : 04/11/10 05:41:11 PM
Units : ppb
Dilution:



Validated

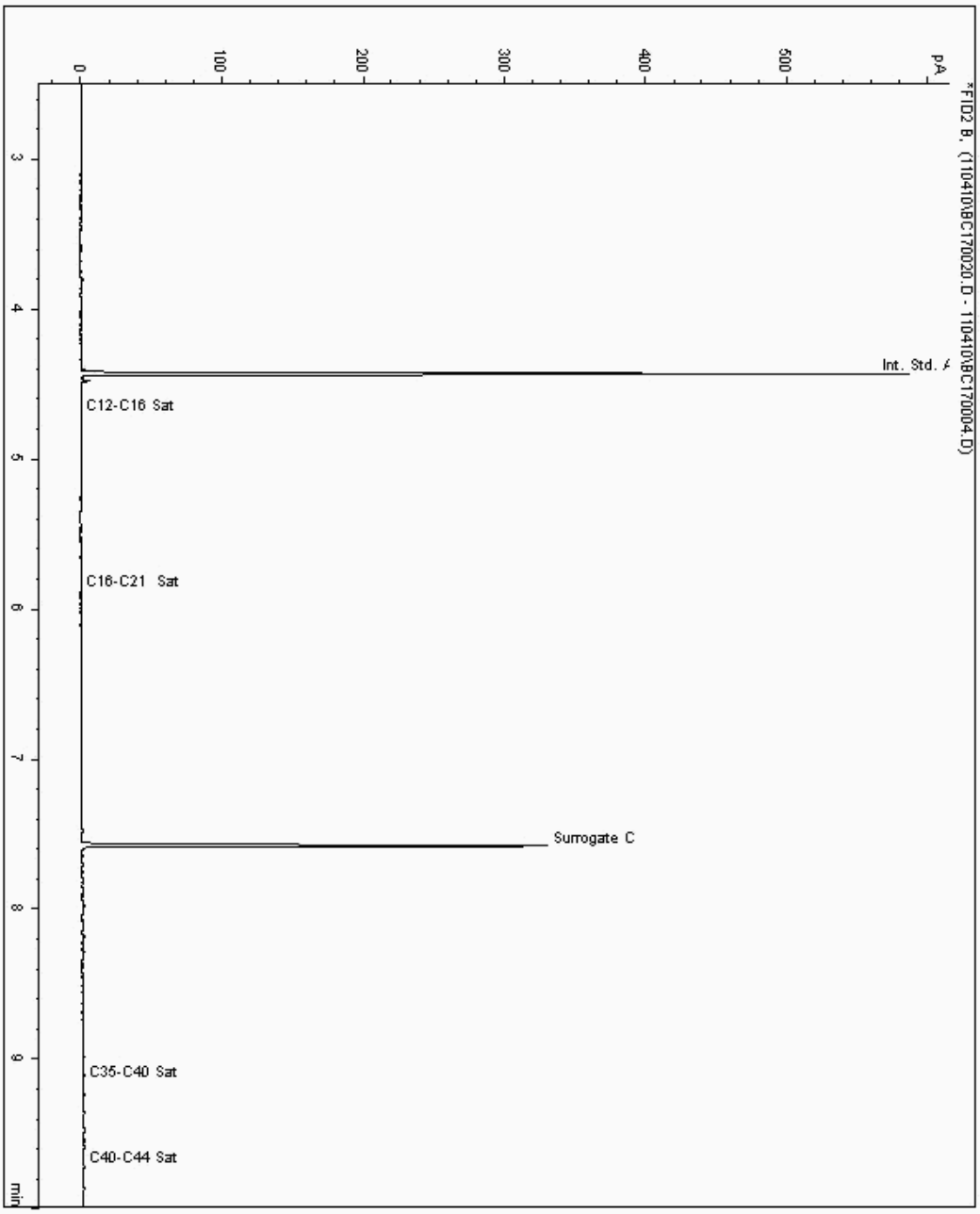
ALcontrol Laboratories Analytical Services

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

Analysis:	EPH CWG (Aliphatic) GC (S)	**Sample No**	2337917
		Sample ID	ADV13
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 2425688-2337917
Date Acquired : 04/11/10 16:06:18 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 1.000



Validated

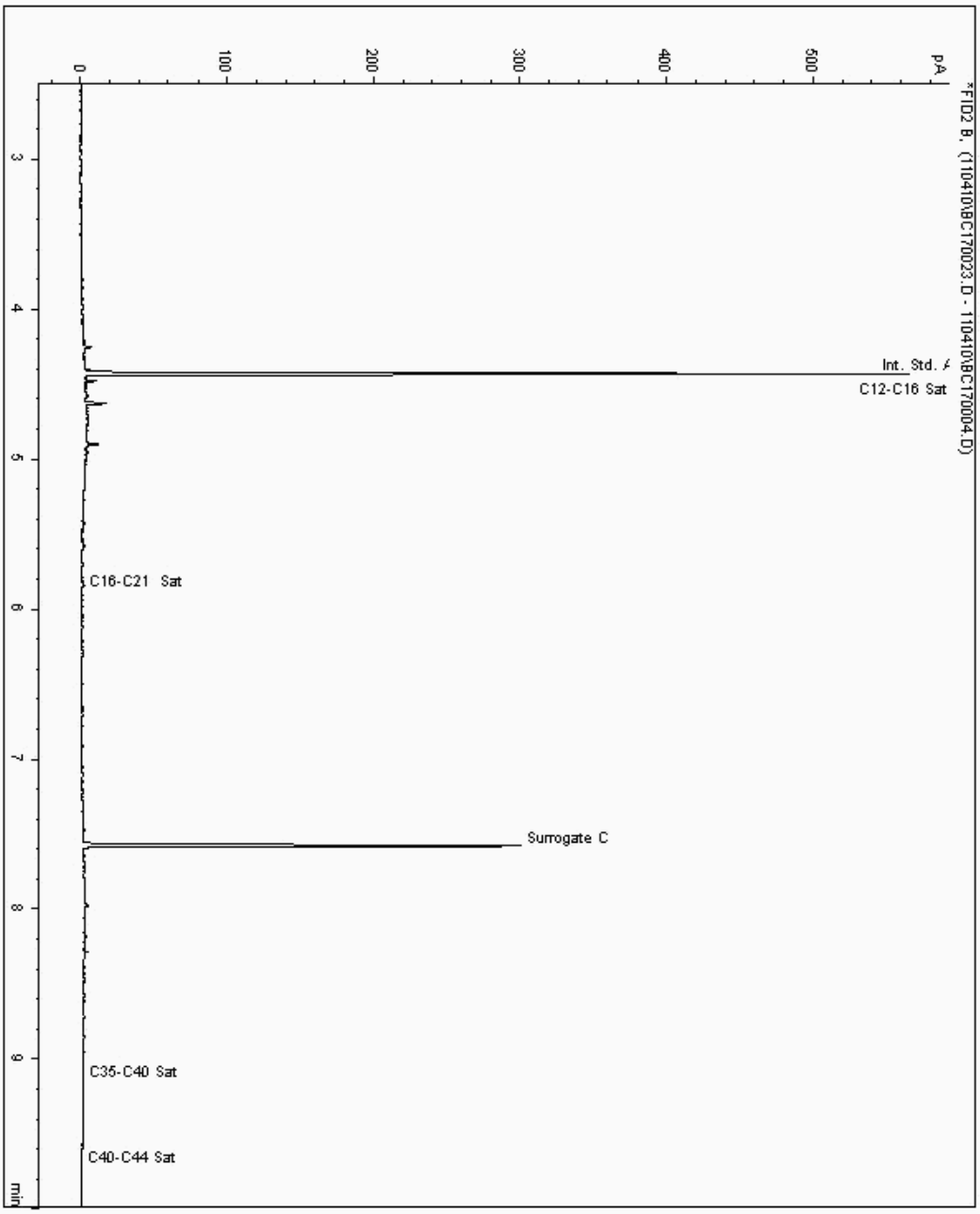
ALcontrol Laboratories Analytical Services

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

Analysis:	EPH CWG (Aliphatic) GC (S)	**Sample No**	2338107
		Sample ID	ADV14
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 2425703-2338107
Date Acquired : 04/11/10 16:55:55 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 1.000



Validated

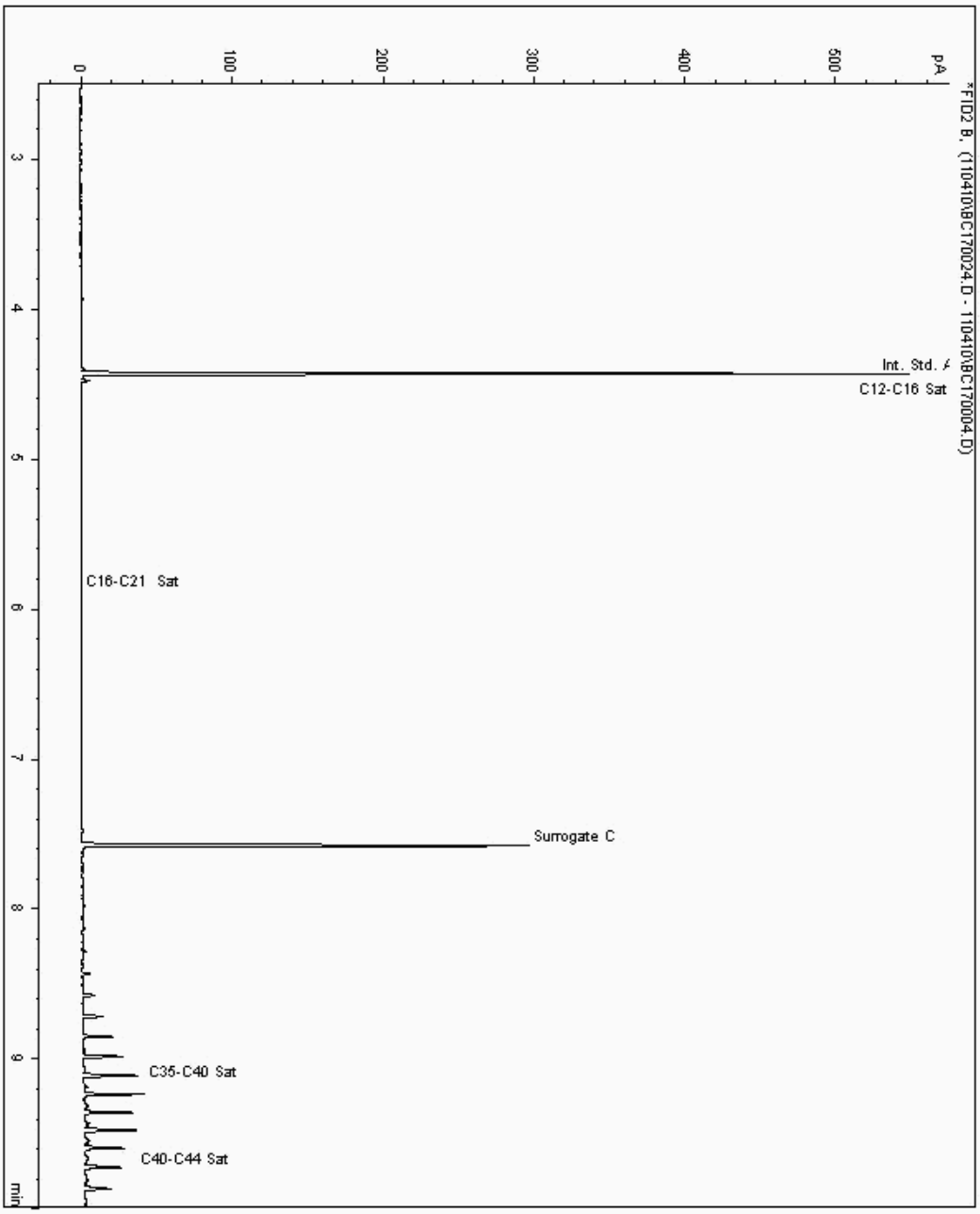
ALcontrol Laboratories Analytical Services

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

Analysis:	EPH CWG (Aliphatic) GC (S)	**Sample No**	2338128
		Sample ID	ADV15
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 2425718-2338128
Date Acquired : 04/11/10 17:15:30 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 1.000



Validated

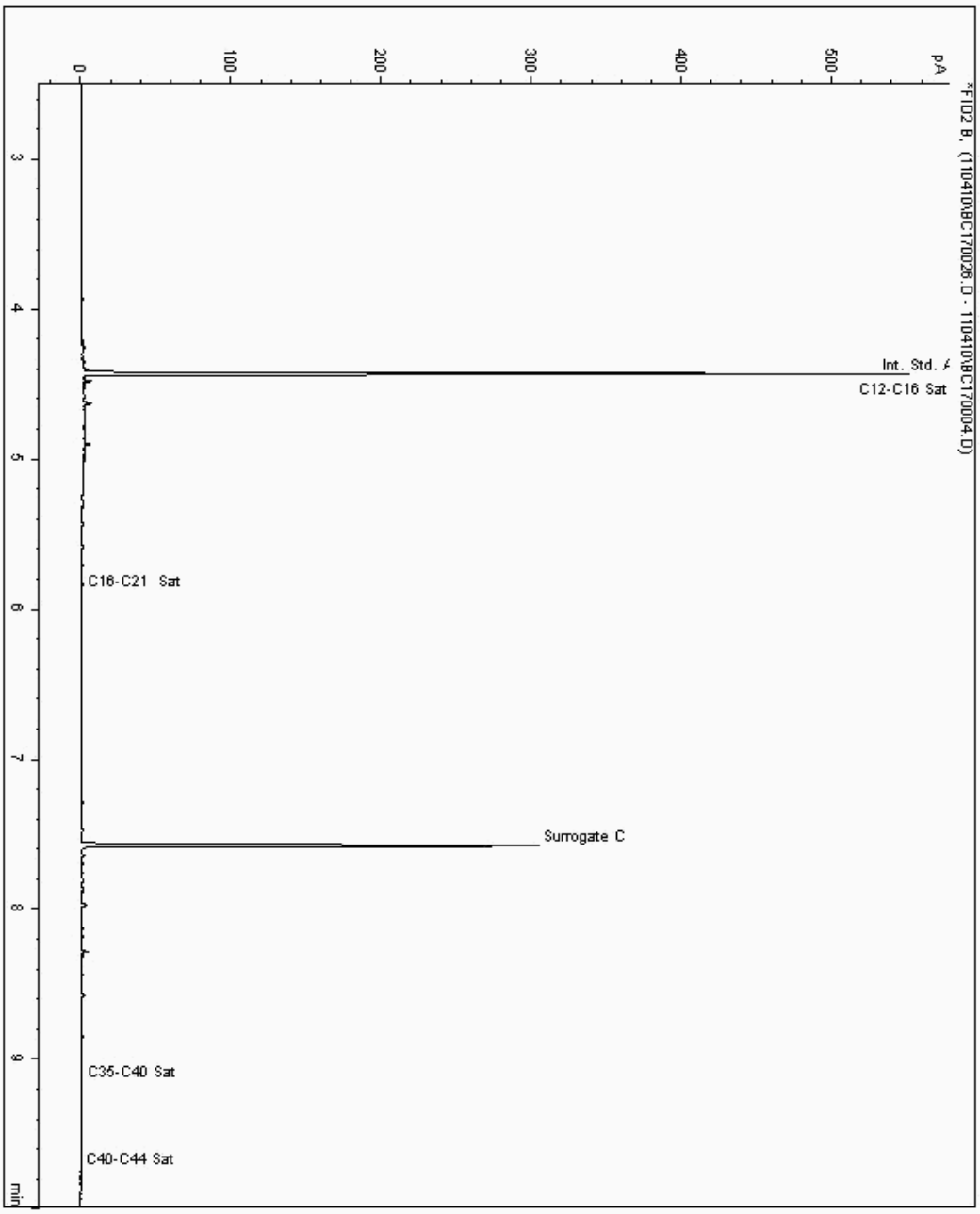
ALcontrol Laboratories Analytical Services

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

Analysis:	EPH CWG (Aliphatic) GC (S)	**Sample No**	2338149
		Sample ID	ADV16
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 2425738-2338149
Date Acquired : 04/11/10 17:45:43 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 1.000



Validated

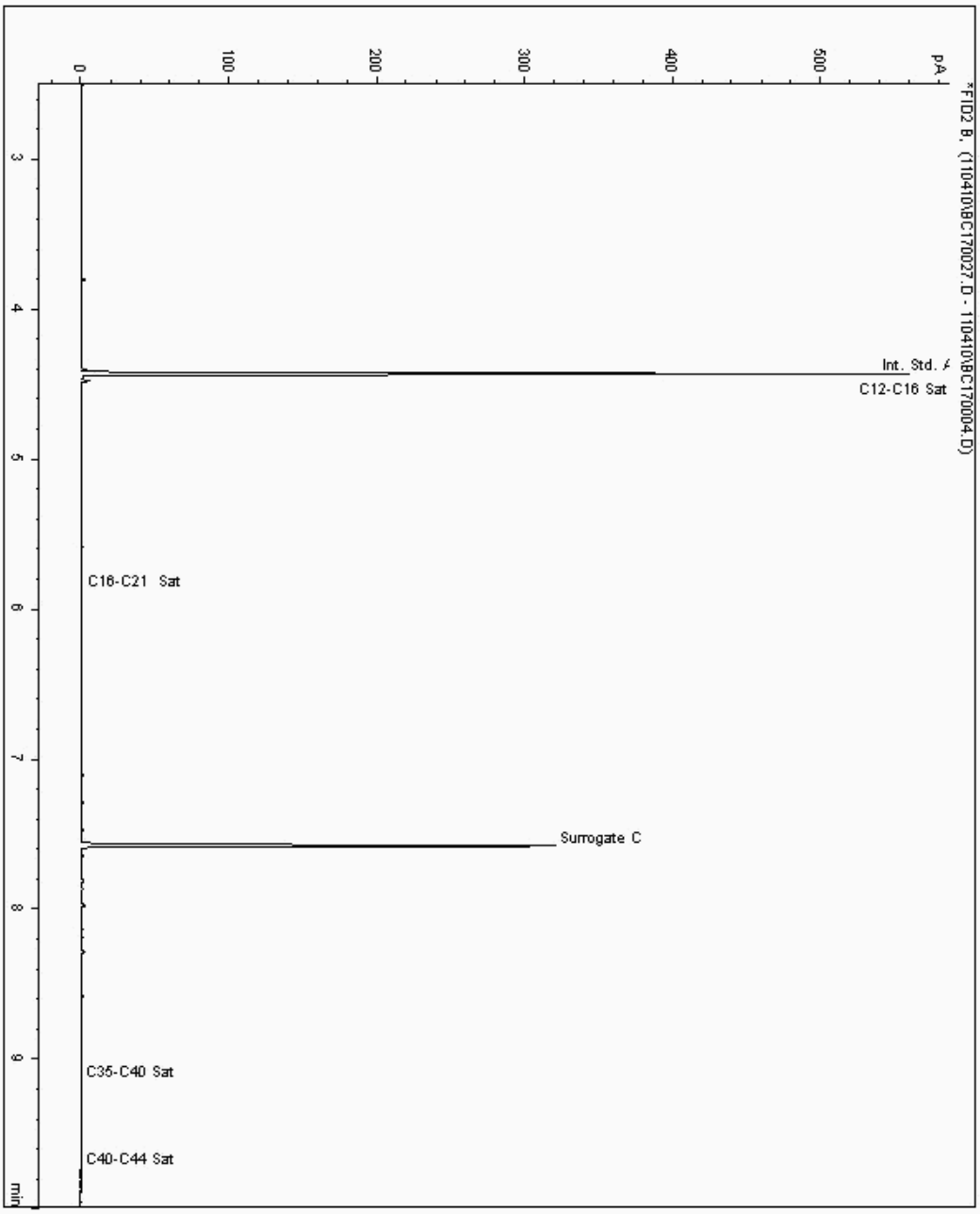
ALcontrol Laboratories Analytical Services

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

Analysis:	EPH CWG (Aliphatic) GC (S)	**Sample No**	2338181
		Sample ID	ADV11
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 2425654-2338181
Date Acquired : 04/11/10 18:05:12 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 1.000



Validated

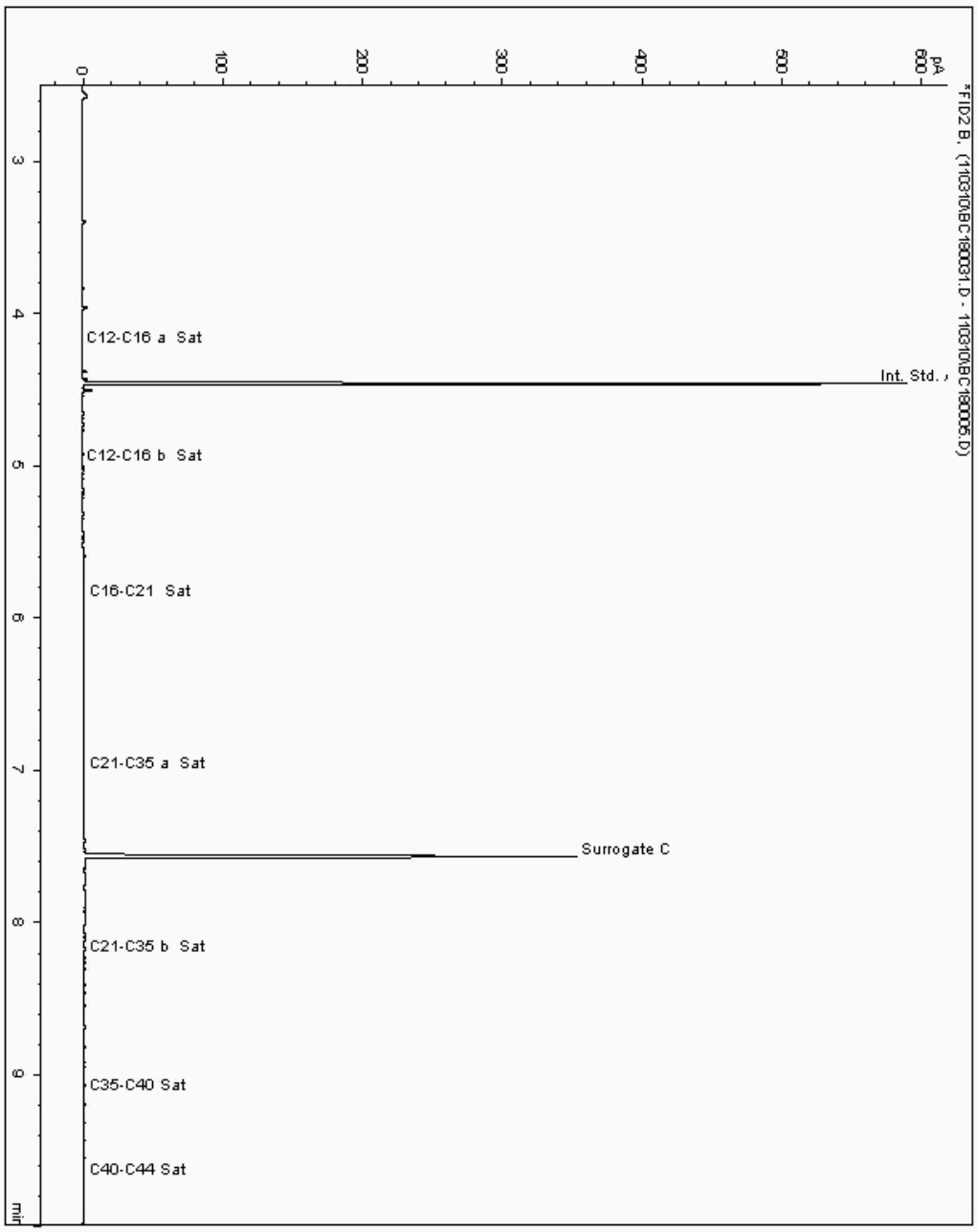
ALcontrol Laboratories Analytical Services

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

Analysis:	EPH CWG (Aliphatic) Aqueous GC (W)	**Sample No**	2332921
		Sample ID	NSR IN
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 2425585-2332921
Date Acquired : 04/11/10 06:43:55 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 0.008



Validated

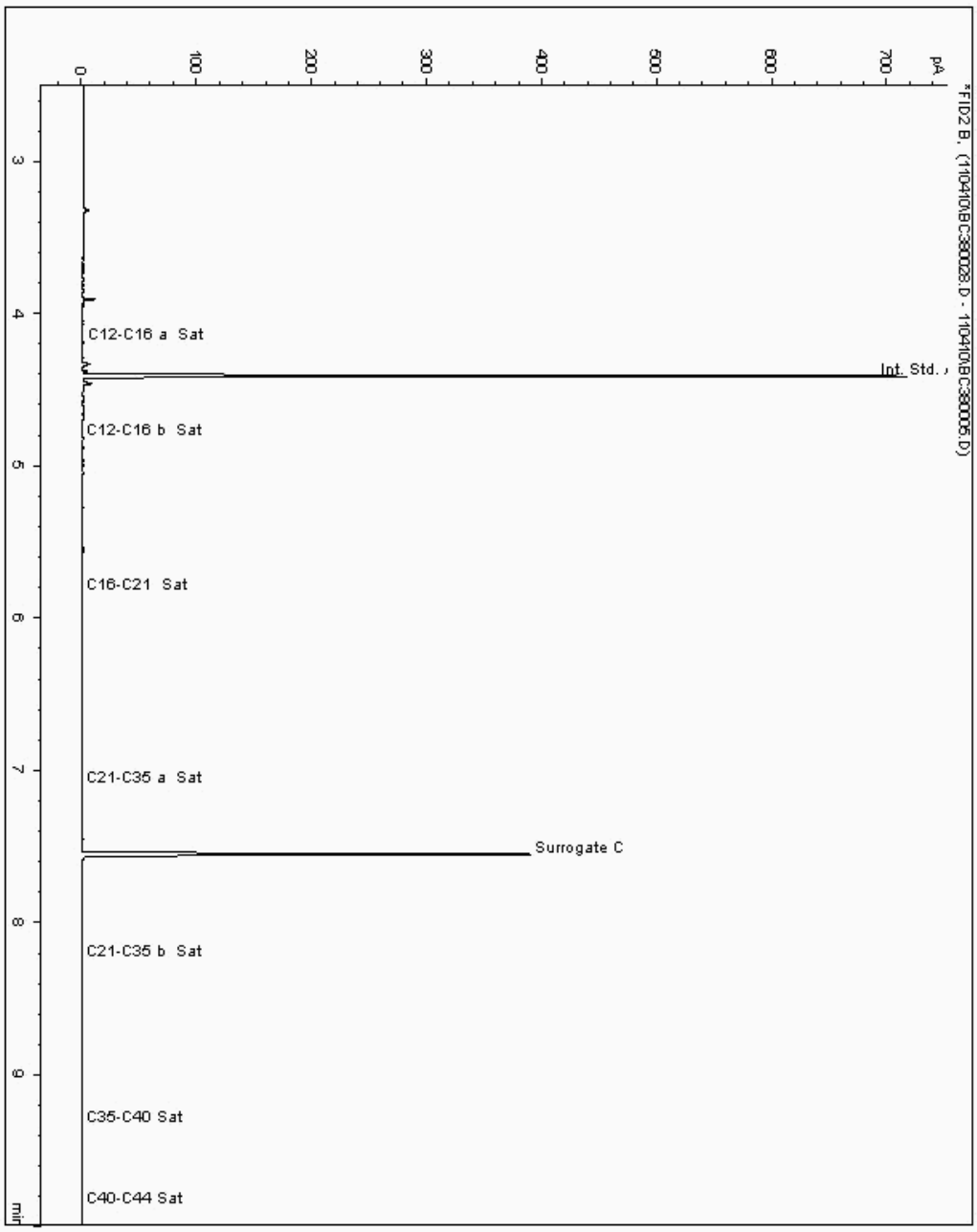
ALcontrol Laboratories Analytical Services

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

Analysis:	EPH CWG (Aliphatic) Aqueous GC (W)	**Sample No**	2332941
		Sample ID	36"
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 2425535-2332941
Date Acquired : 05/11/10 04:38:45 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 0.008



Validated

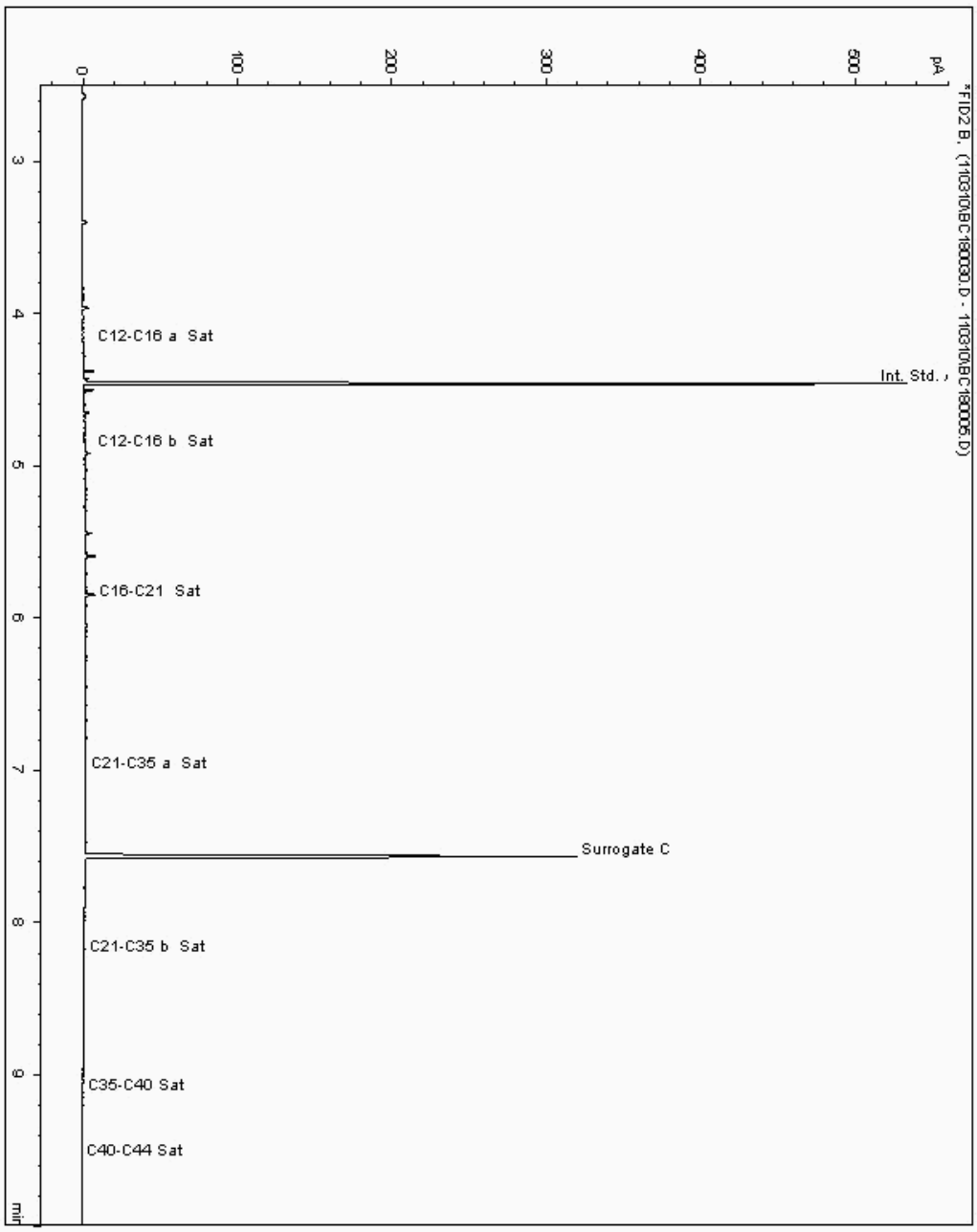
ALcontrol Laboratories Analytical Services

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

Analysis:	EPH CWG (Aliphatic) Aqueous GC (W)	**Sample No**	2332944
		Sample ID	NSR OUT
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 2425564-2332944
Date Acquired : 04/11/10 06:24:51 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 0.008



Validated

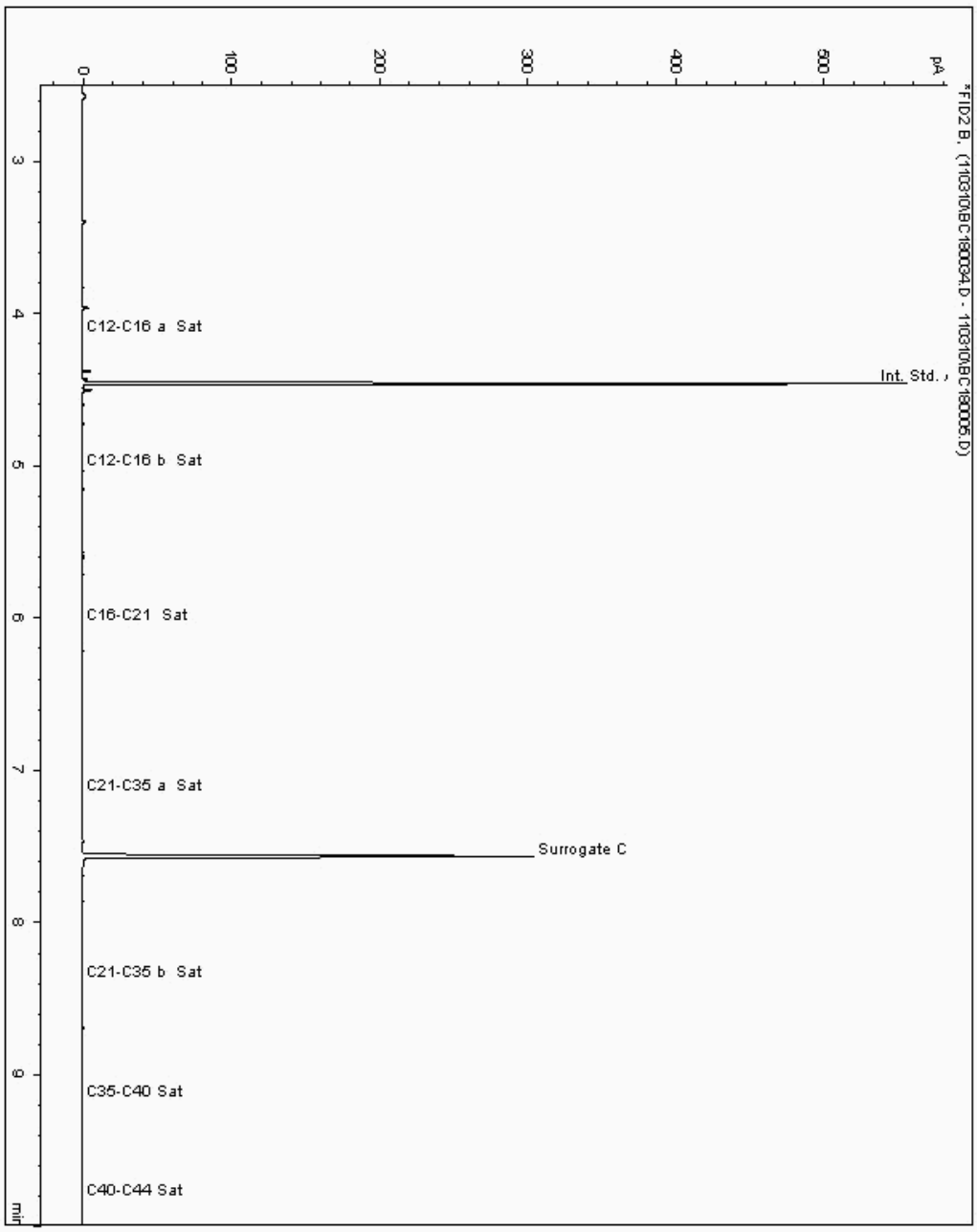
ALcontrol Laboratories Analytical Services

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

Analysis:	EPH CWG (Aliphatic) Aqueous GC (W)	**Sample No**	2332967
		Sample ID	CBL OVERPUMP
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 2425604-2332967
Date Acquired : 04/11/10 07:34:59 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 0.008



Validated

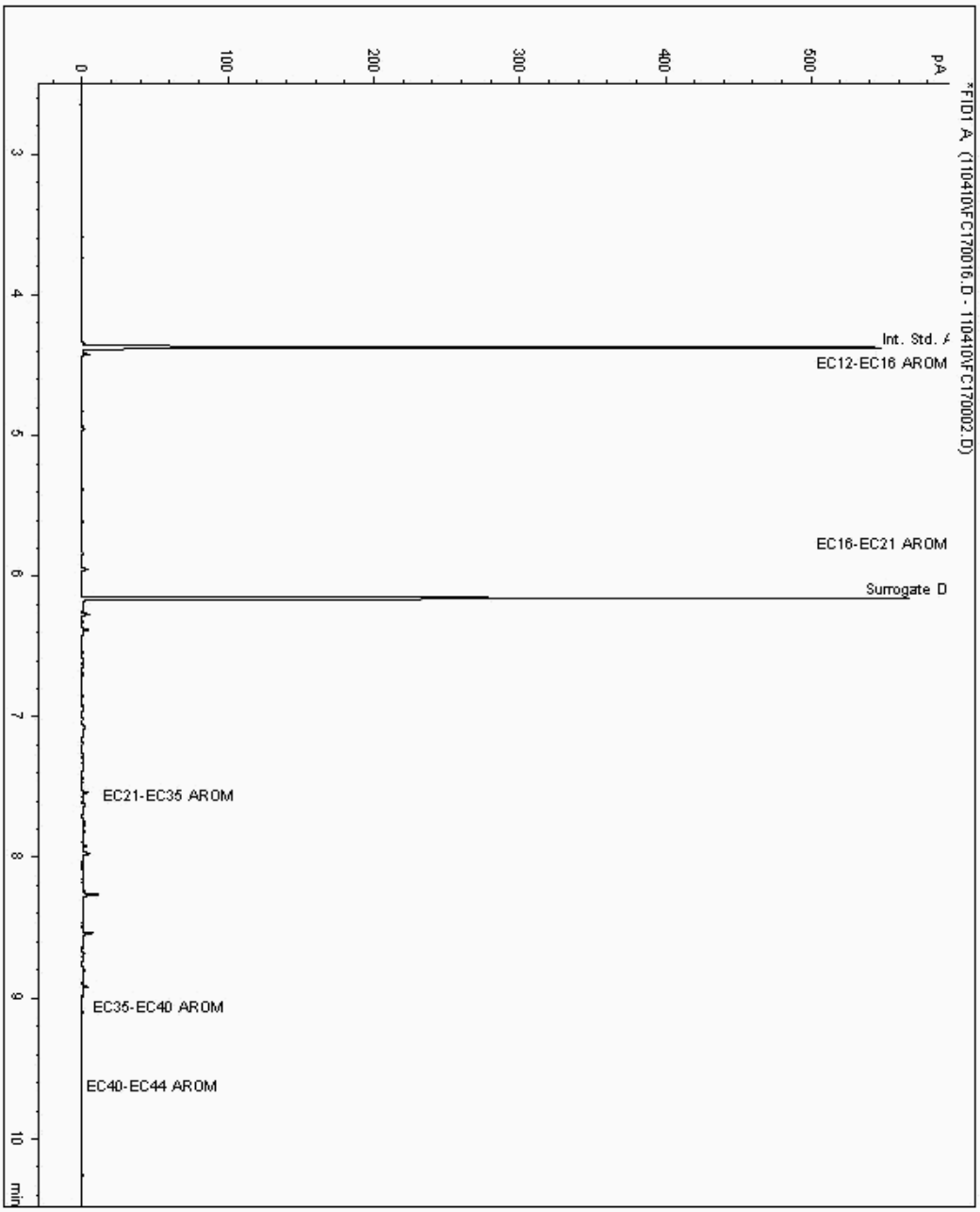
ALcontrol Laboratories Analytical Services

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

Analysis:	EPH CWG (Aromatic) GC (S)	**Sample No**	2337250
		Sample ID	ADV10
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 2425640-2337250
Date Acquired : 04/11/10 14:57:14 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 1.000



Validated

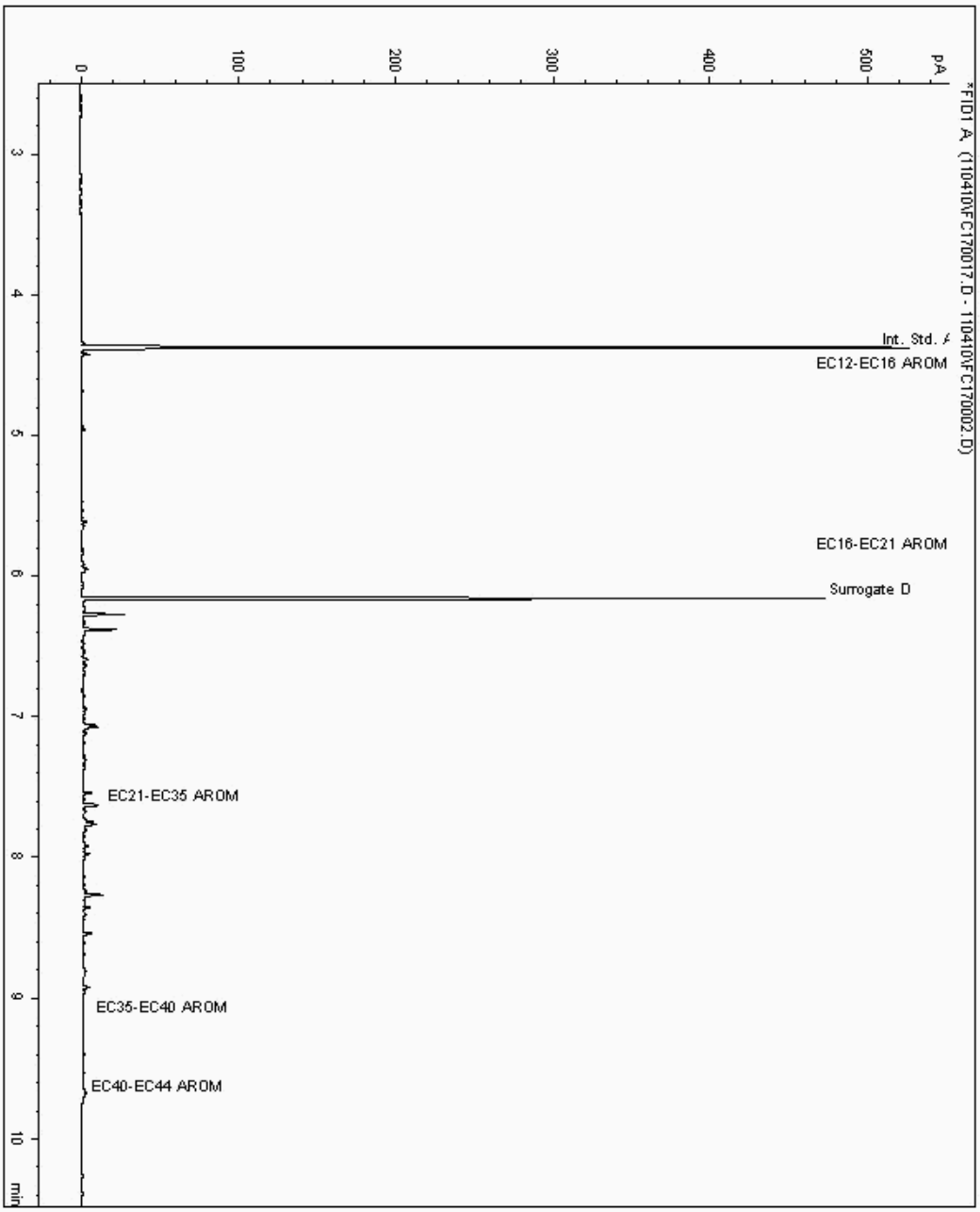
ALcontrol Laboratories Analytical Services

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

Analysis:	EPH CWG (Aromatic) GC (S)	**Sample No**	2337266
		Sample ID	ADV9
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 2425624-2337266
Date Acquired : 04/11/10 15:16:45 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 0.980



Validated

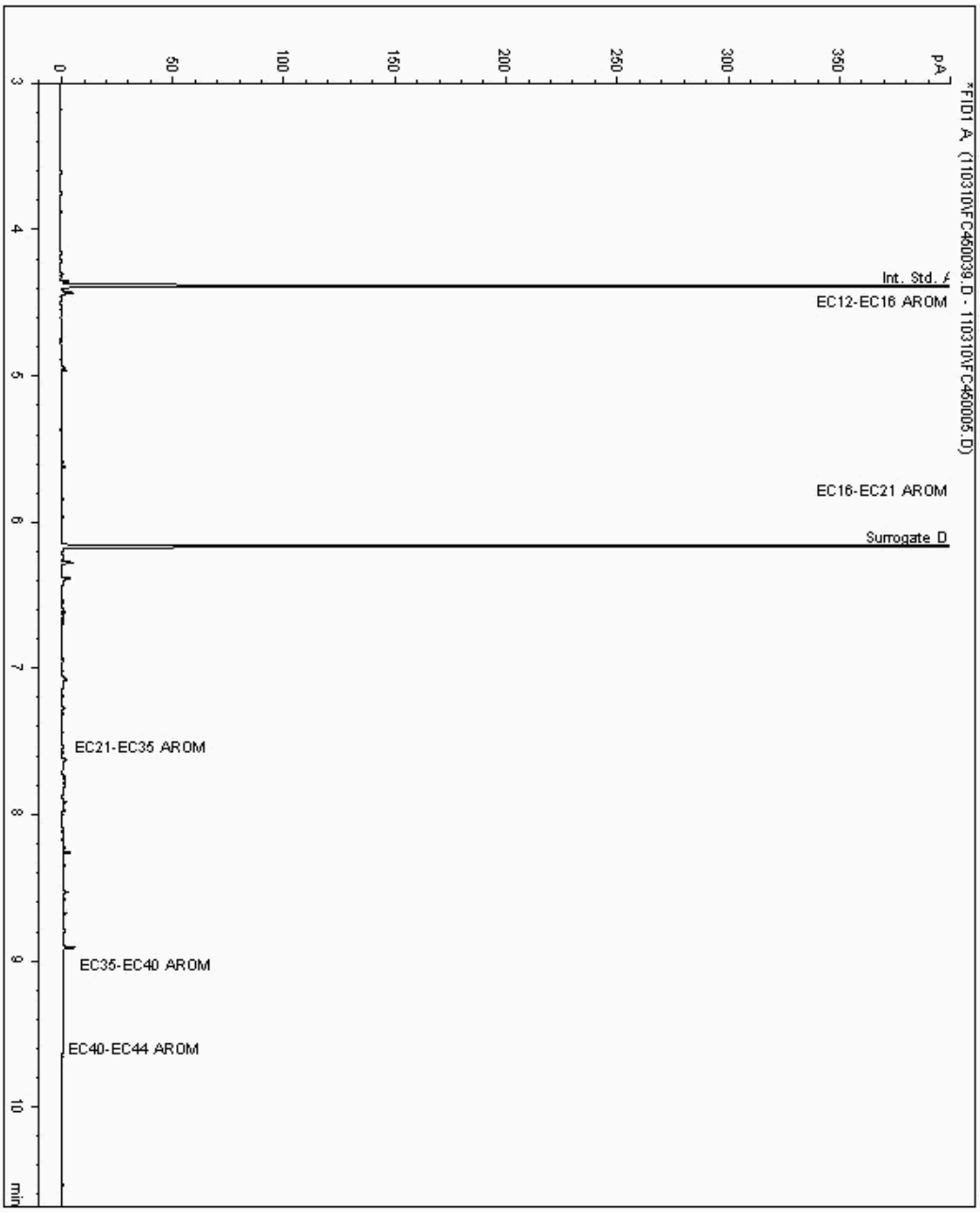
ALcontrol Laboratories Analytical Services

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

Analysis:	EPH CWG (Aromatic) GC (S)	**Sample No**	2337591
		Sample ID	ADV12
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 2425670-2337591
Date Acquired : 04/11/10 05:41:11 PM
Units : ppb
Dilution:



Validated

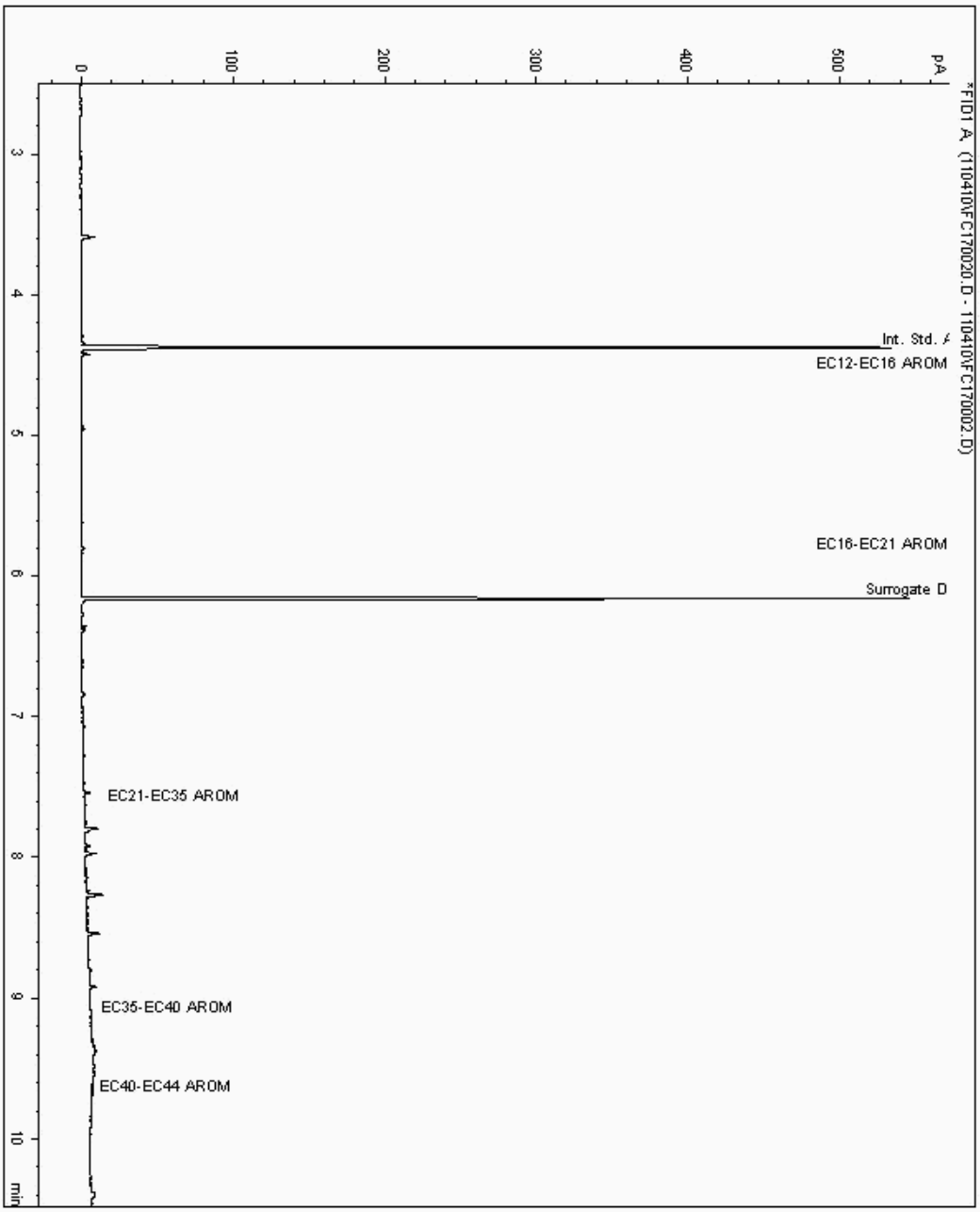
ALcontrol Laboratories Analytical Services

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

Analysis:	EPH CWG (Aromatic) GC (S)	**Sample No**	2337917
		Sample ID	ADV13
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 2425689-2337917
Date Acquired : 04/11/10 16:06:18 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 0.970



Validated

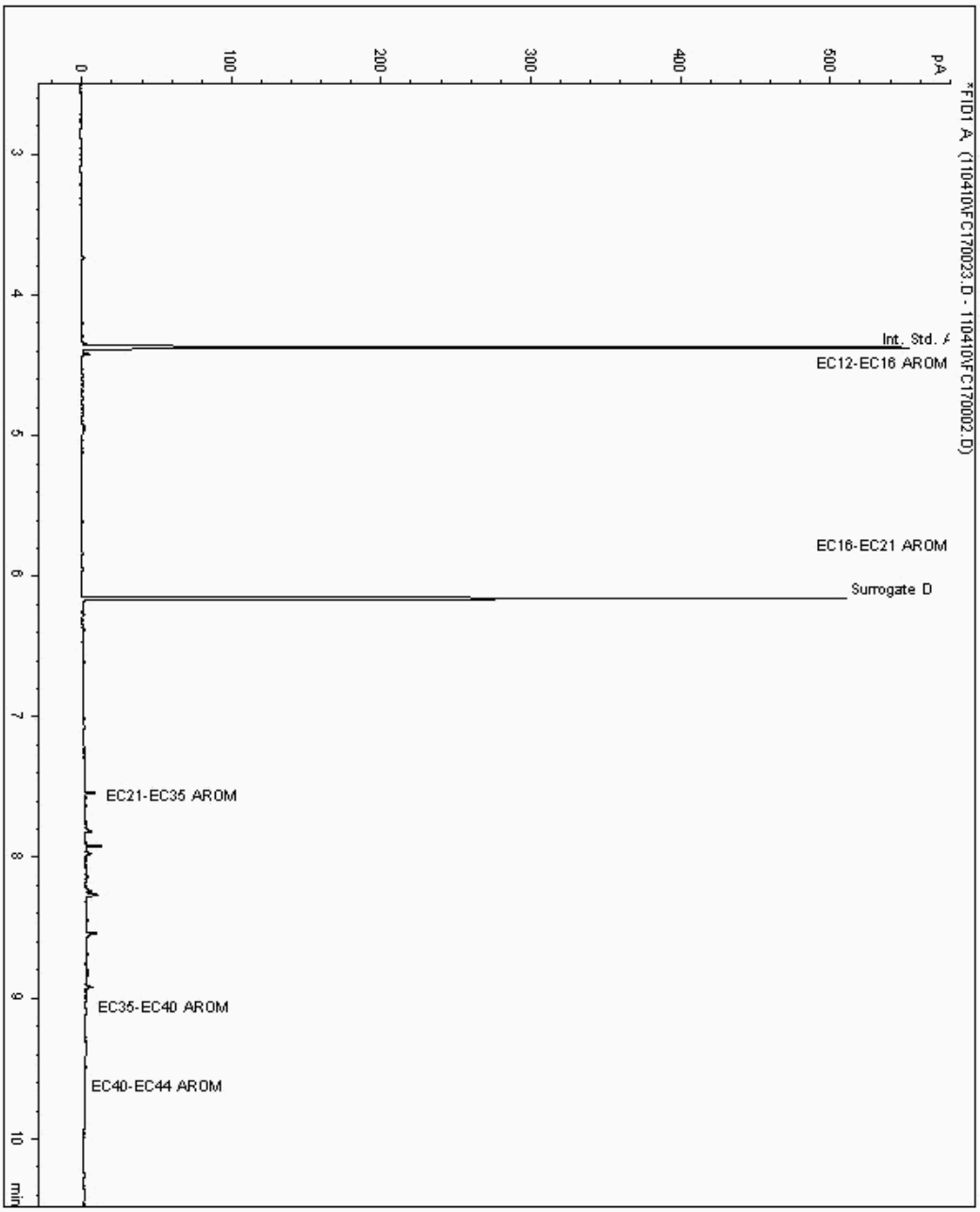
ALcontrol Laboratories Analytical Services

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

Analysis:	EPH CWG (Aromatic) GC (S)	**Sample No**	2338107
		Sample ID	ADV14
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 2425704-2338107
Date Acquired : 04/11/10 16:55:56 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 1.050



Validated

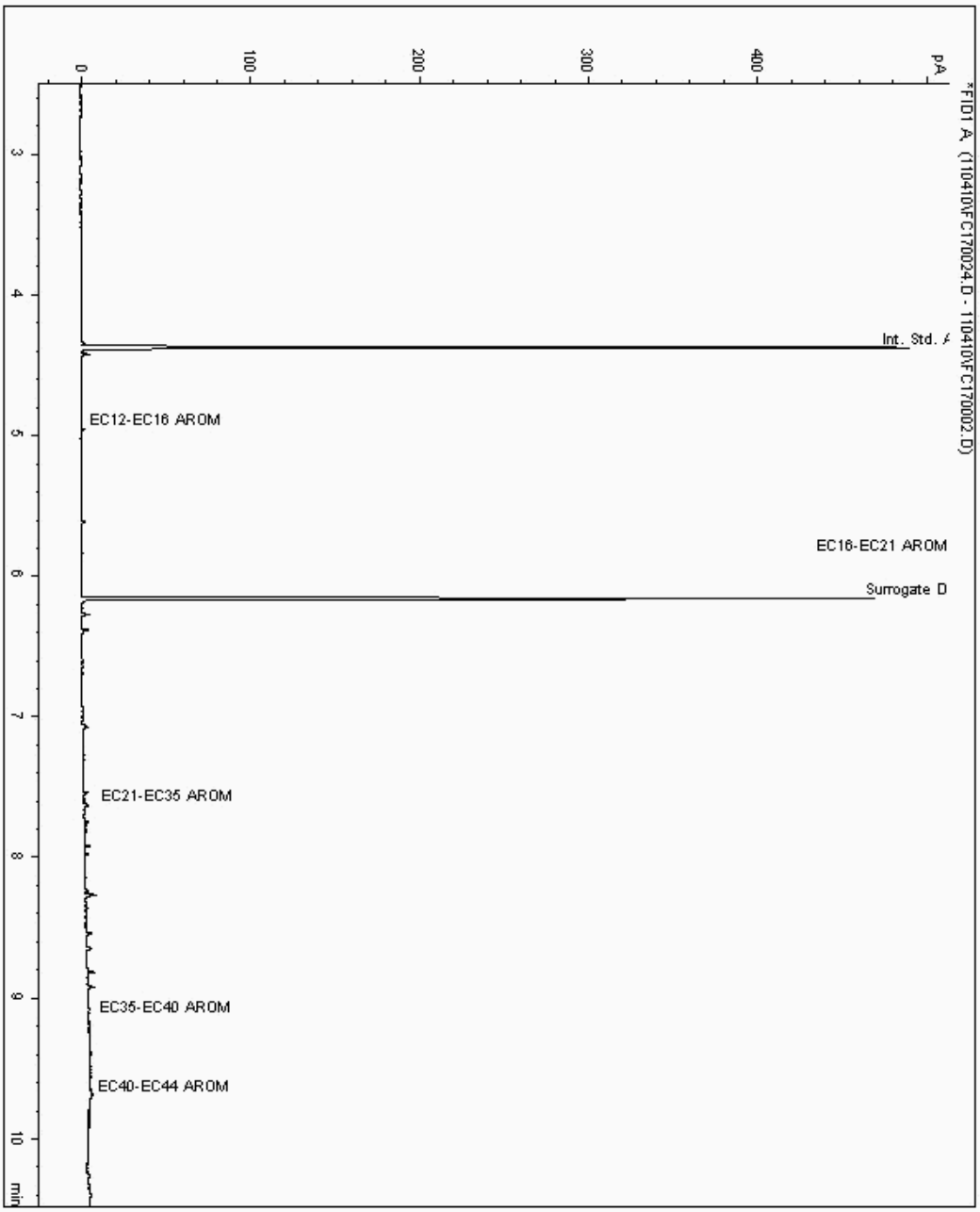
ALcontrol Laboratories Analytical Services

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

Analysis:	EPH CWG (Aromatic) GC (S)	**Sample No**	2338128
		Sample ID	ADV15
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 2425719-2338128
Date Acquired : 04/11/10 17:15:31 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 1.030



Validated

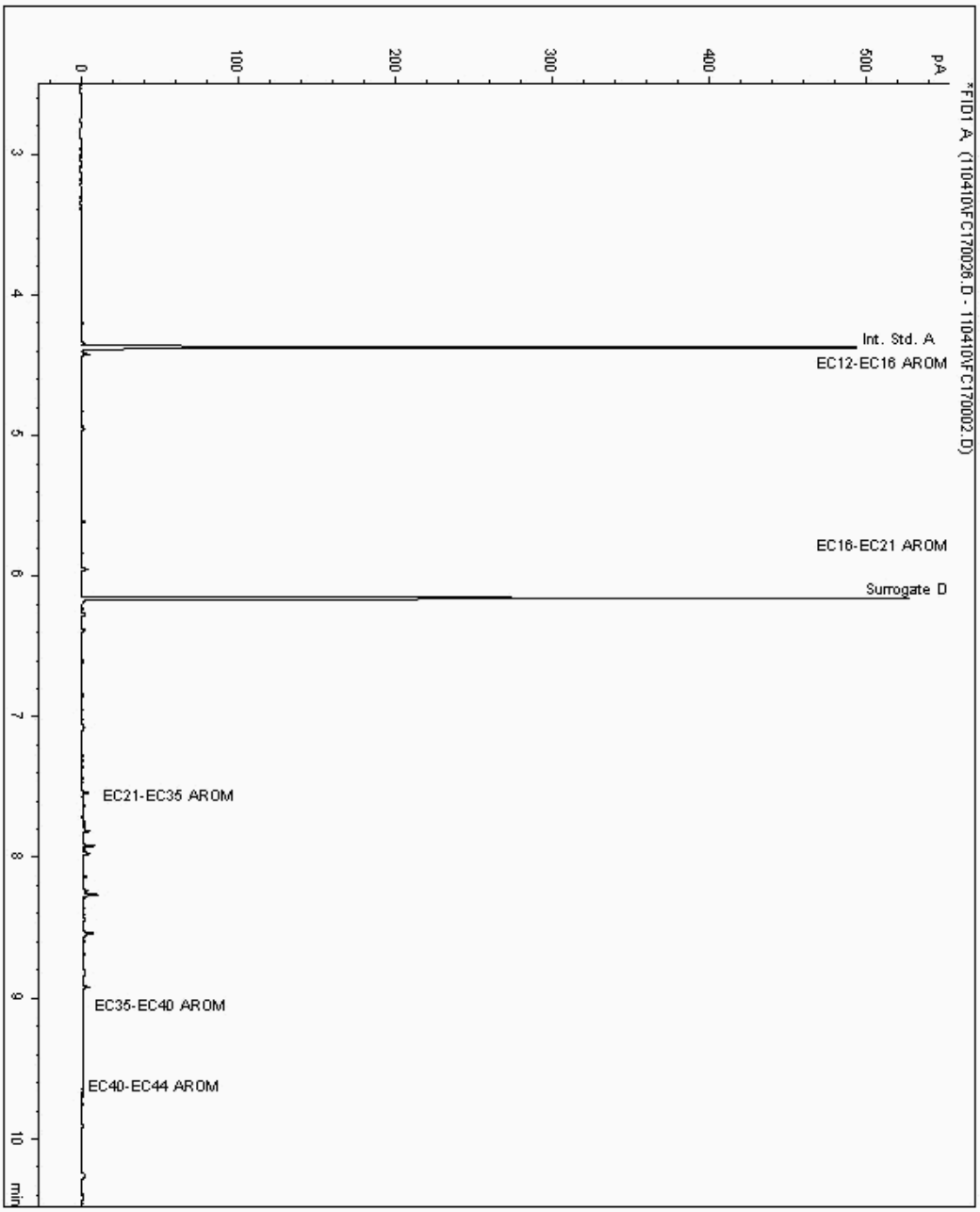
ALcontrol Laboratories Analytical Services

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

Analysis:	EPH CWG (Aromatic) GC (S)	**Sample No**	2338149
		Sample ID	ADV16
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 2425739-2338149
Date Acquired : 04/11/10 17:45:43 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 0.960



Validated

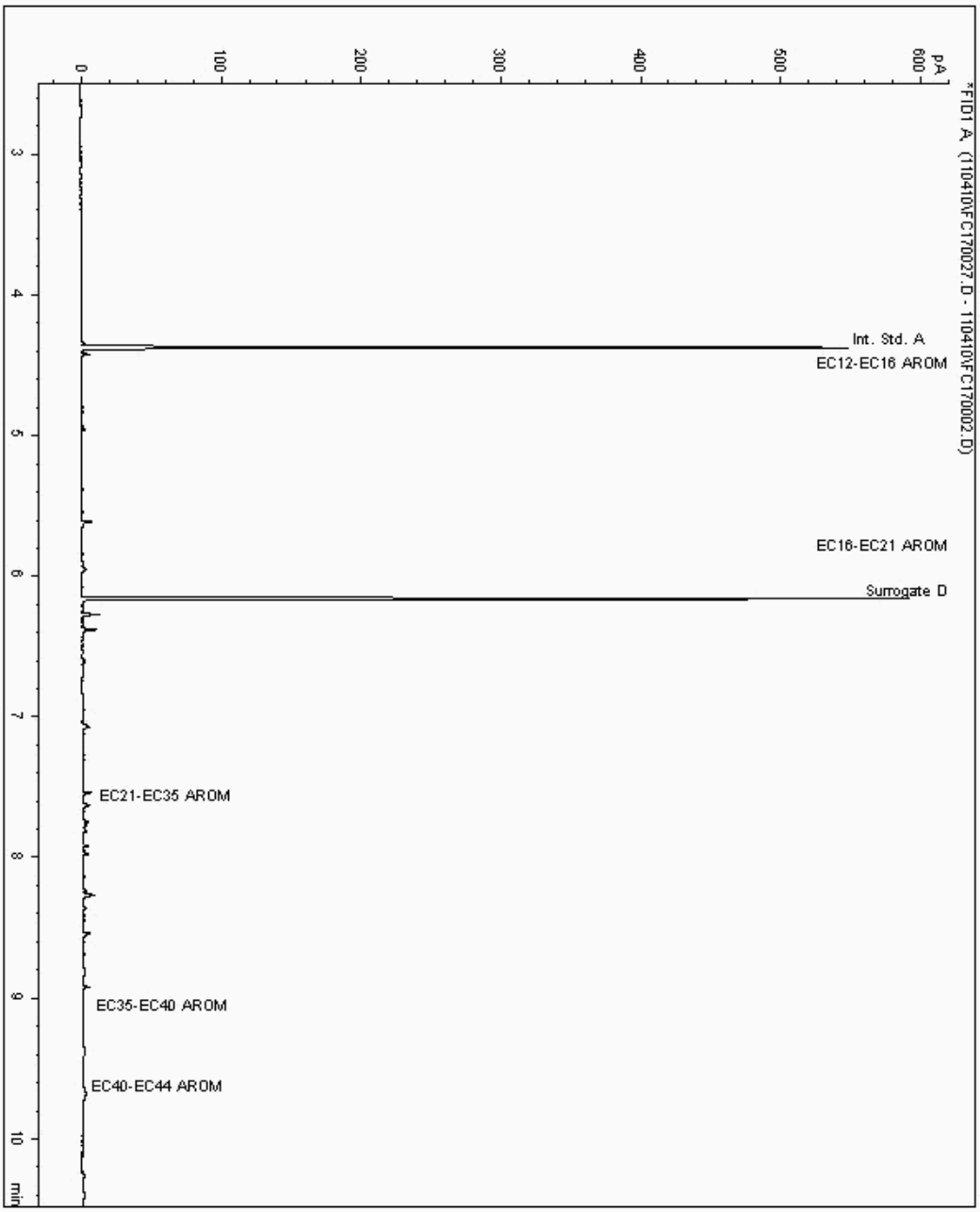
ALcontrol Laboratories Analytical Services

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

Analysis:	EPH CWG (Aromatic) GC (S)	**Sample No**	2338181
		Sample ID	ADV11
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 2425655-2338181
Date Acquired : 04/11/10 18:05:12 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 1.020



Validated

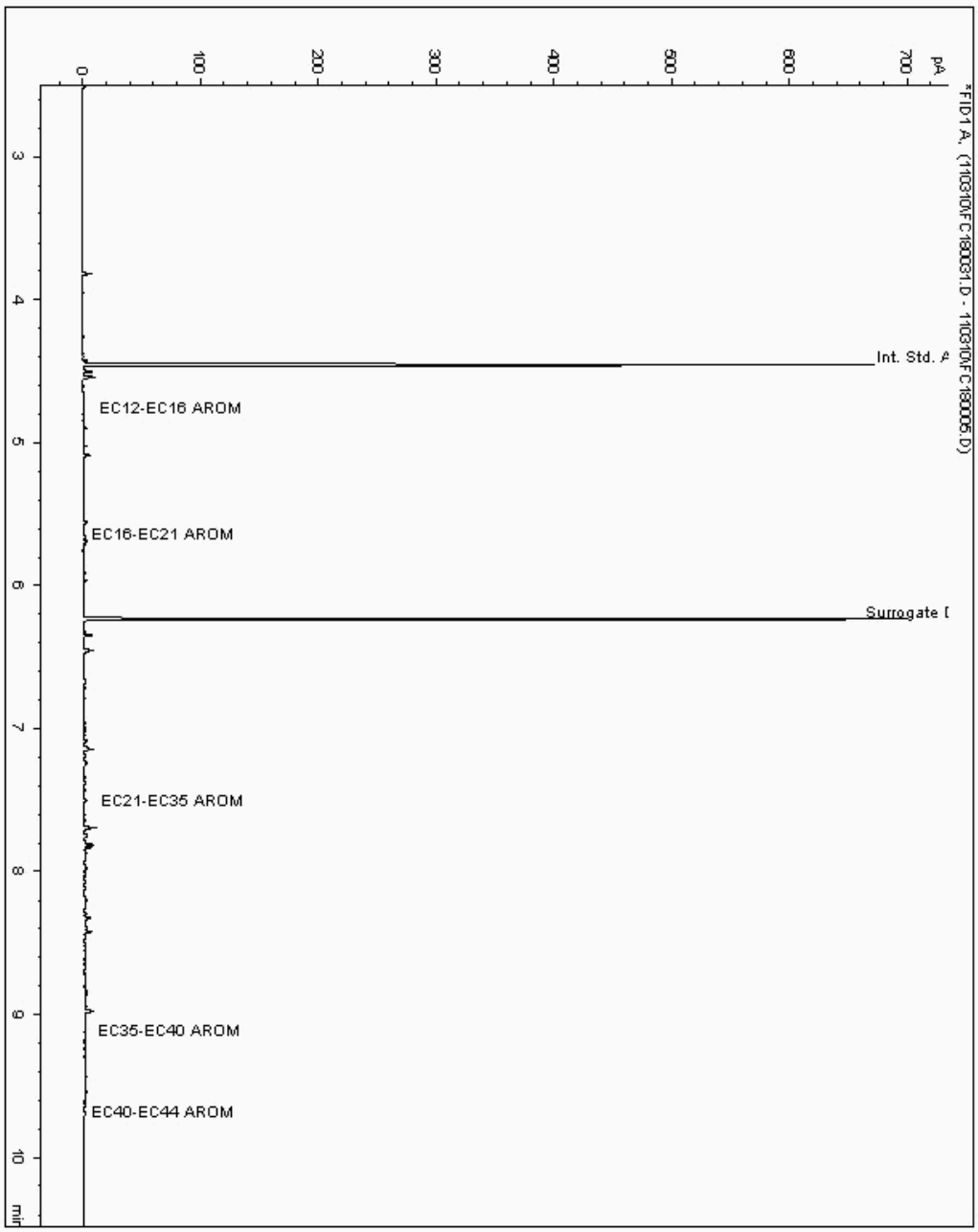
ALcontrol Laboratories Analytical Services

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

Analysis:	EPH CWG (Aromatic) Aqueous GC (W)	**Sample No**	2332921
		Sample ID	NSR IN
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 2425586-2332921
Date Acquired : 04/11/10 06:43:56 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 0.008



Validated

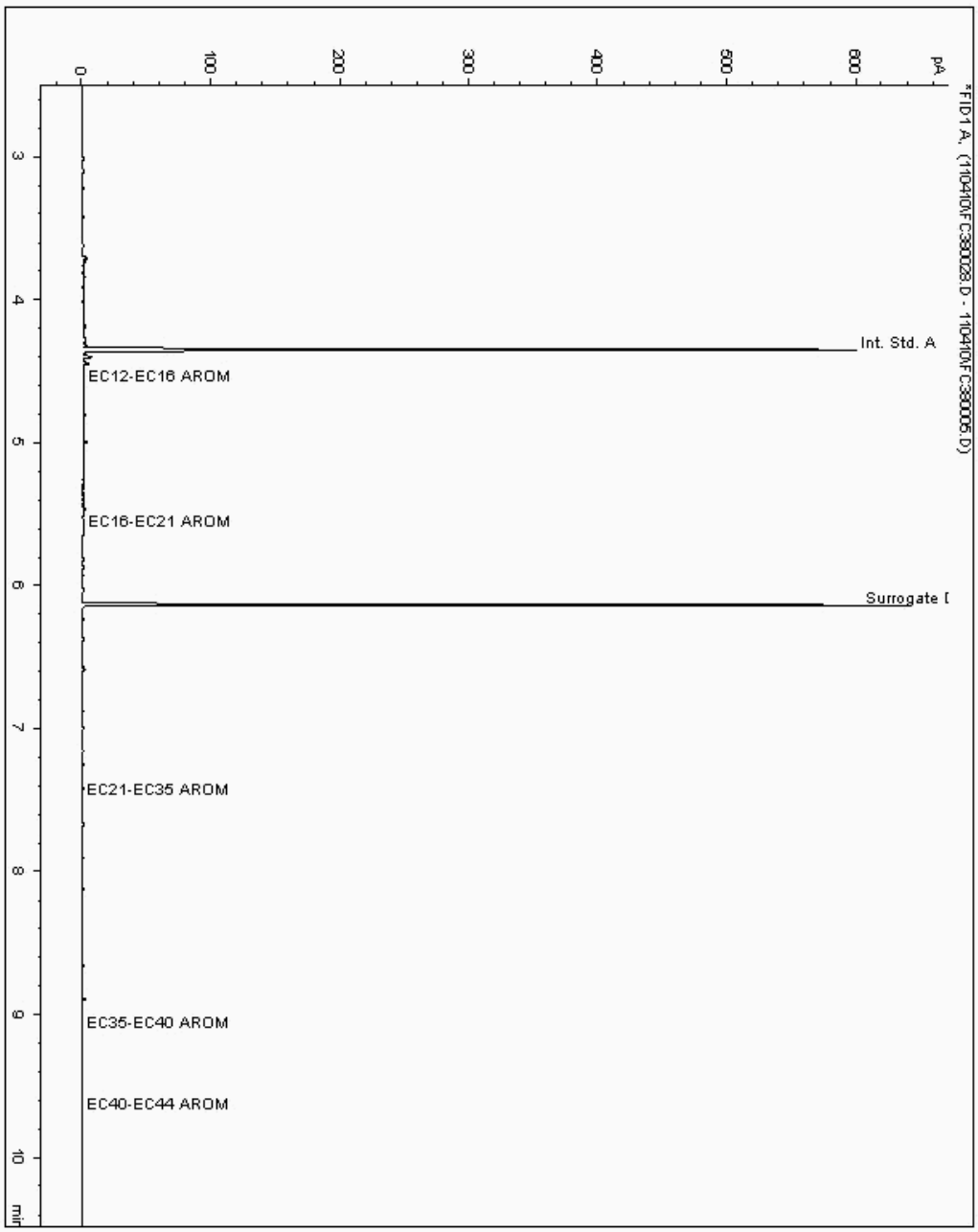
ALcontrol Laboratories Analytical Services

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

Analysis:	EPH CWG (Aromatic) Aqueous GC (W)	**Sample No**	2332941
		Sample ID	36"
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 2425536-2332941
Date Acquired : 05/11/10 04:38:45 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 0.008



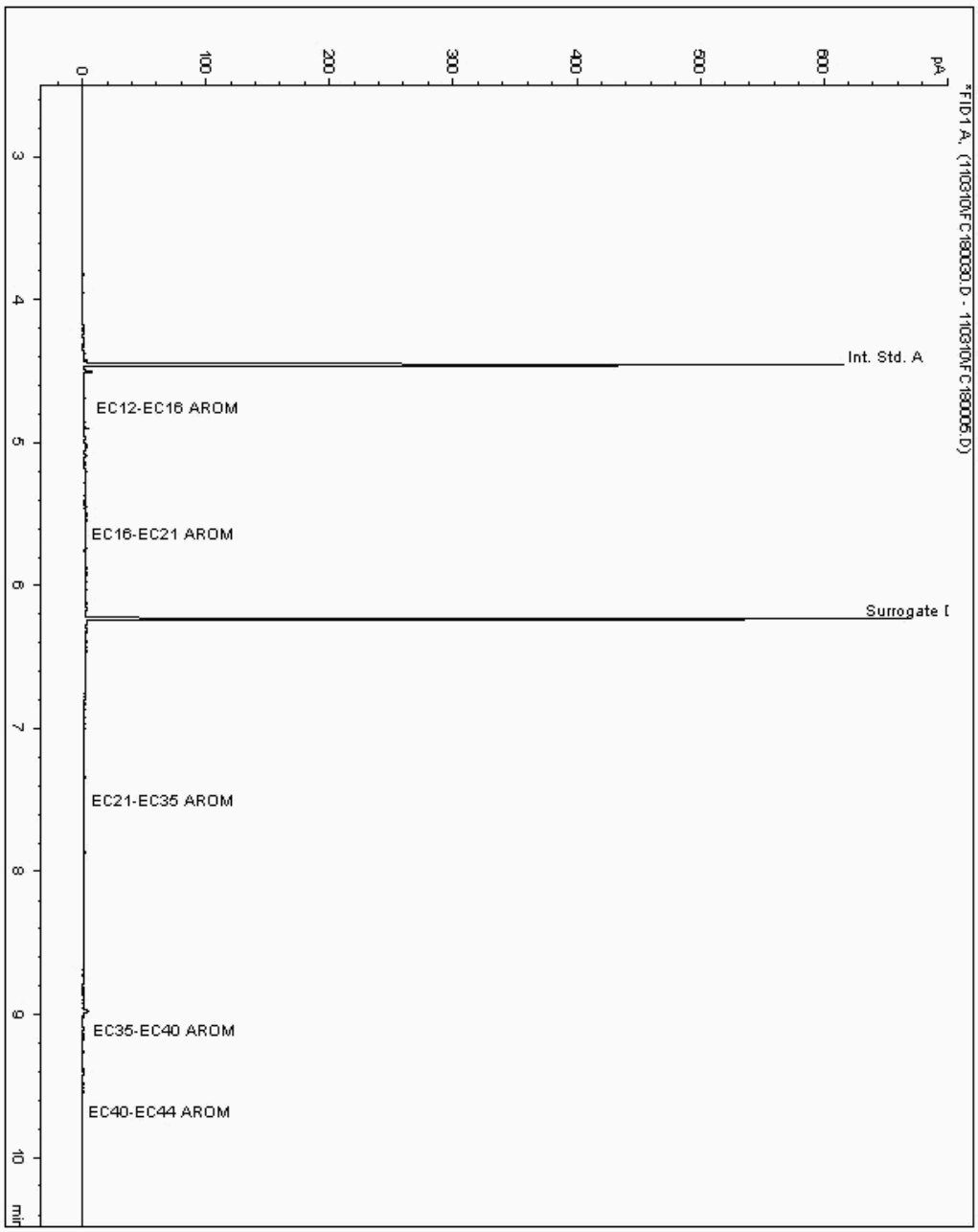
Validated

ALcontrol Laboratories Analytical Services

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762
Analysis:	EPH CWG (Aromatic) Aqueous GC (W)	**Sample No**	2332944
		Sample ID	NSR OUT
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 2425565-2332944
Date Acquired : 04/11/10 06:24:51 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 0.008



Validated

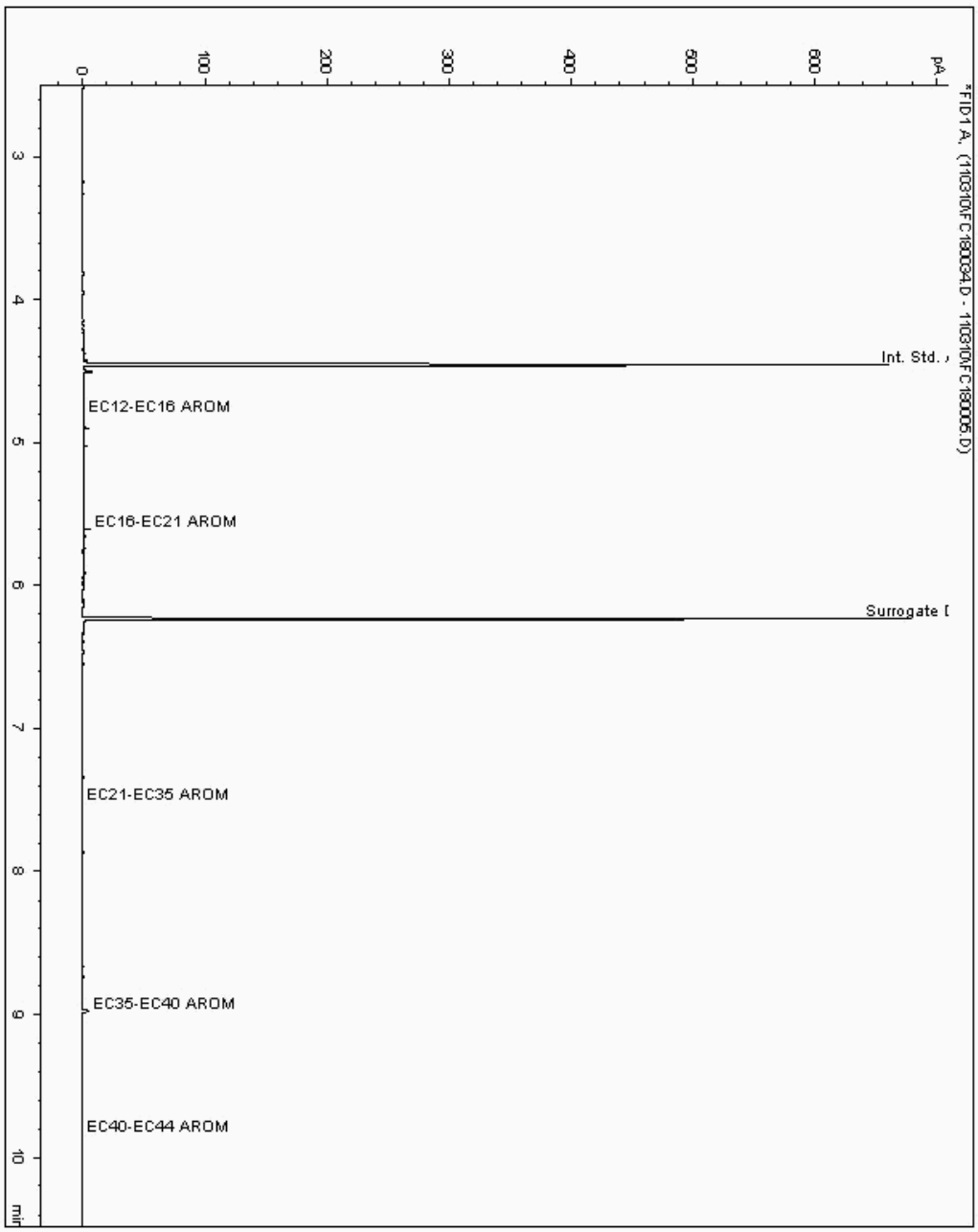
ALcontrol Laboratories Analytical Services

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

Analysis:	EPH CWG (Aromatic) Aqueous GC (W)	**Sample No**	2332967
		Sample ID	CBL OVERPUMP
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 2425605-2332967
Date Acquired : 04/11/10 07:34:59 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 0.008

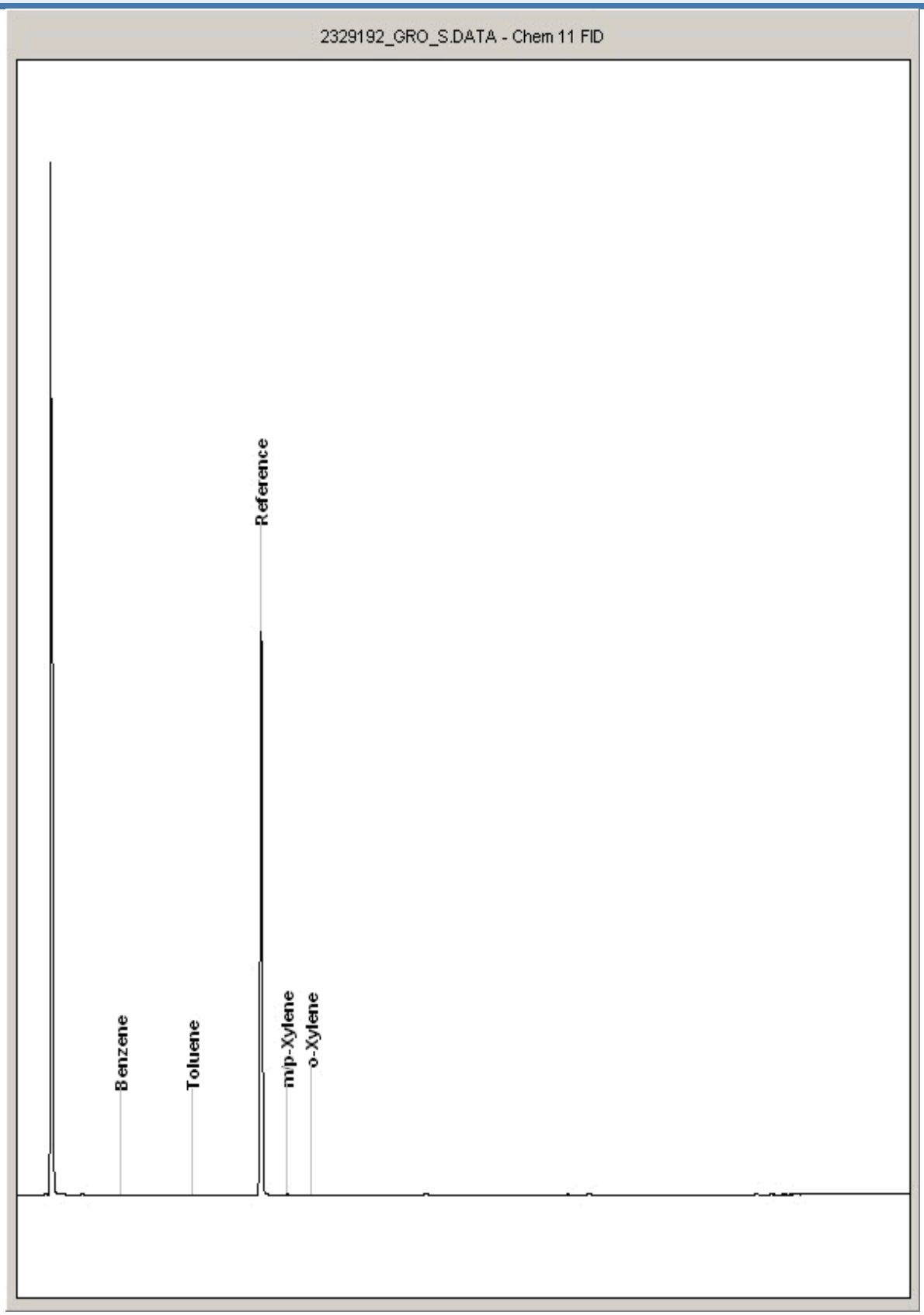


Validated

ALcontrol Laboratories Analytical Services

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

Analysis:	GRO by GC-FID (S)	**Sample No**	2329192
		Sample ID	ADV9
		Depth	

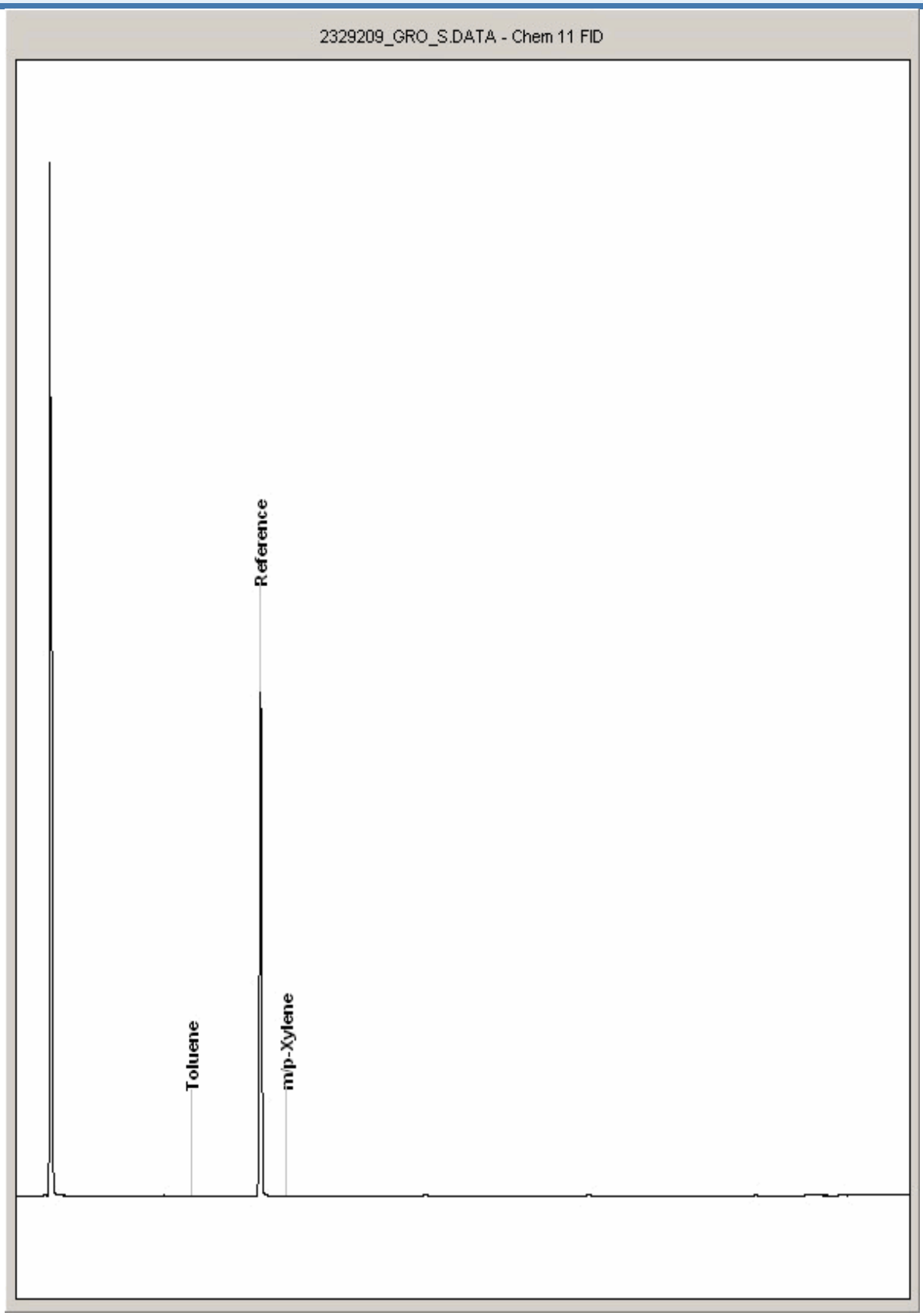


Validated

ALcontrol Laboratories Analytical Services

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

Analysis:	GRO by GC-FID (S)	**Sample No**	2329209
		Sample ID	ADV10
		Depth	

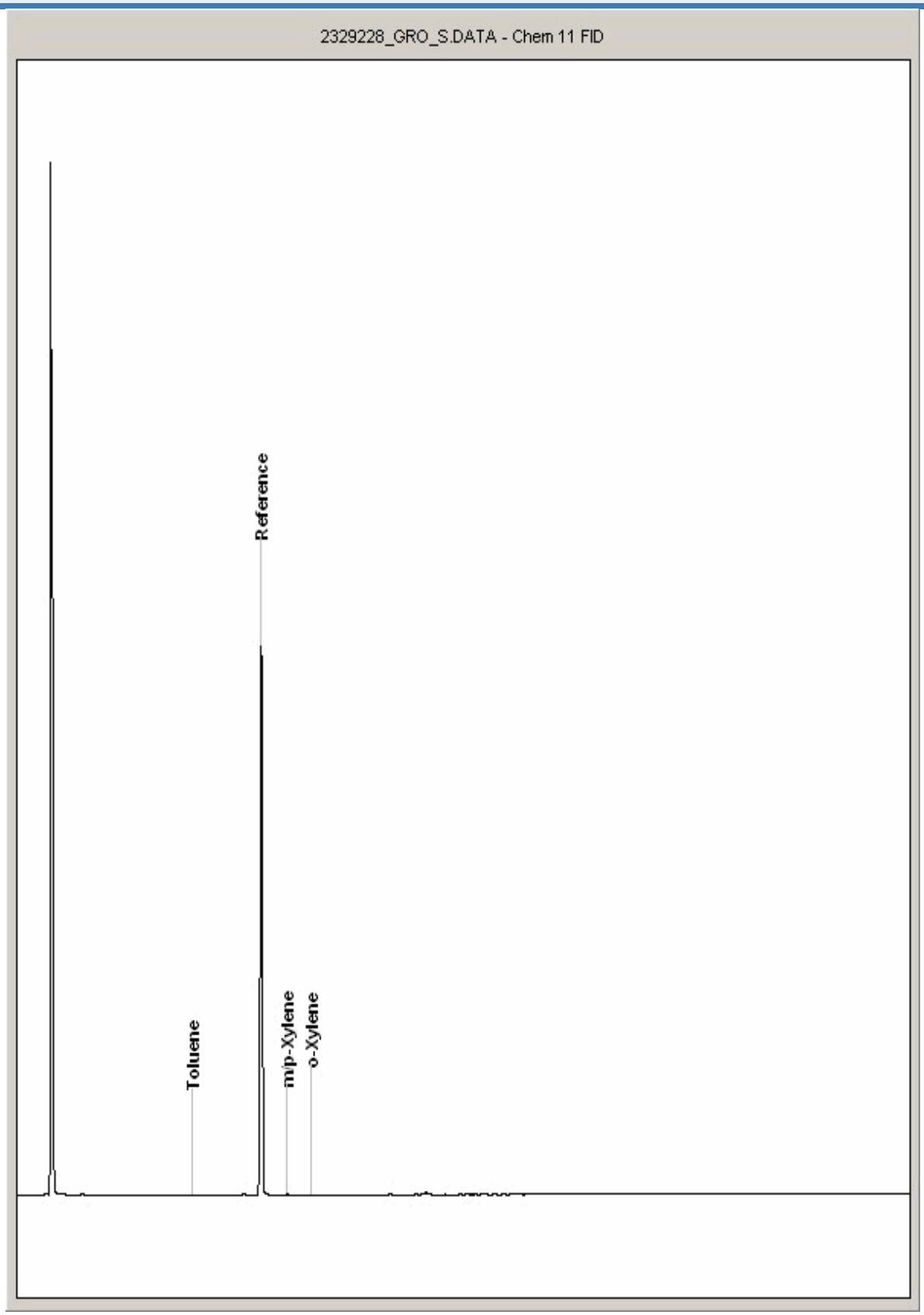


Validated

ALcontrol Laboratories Analytical Services

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

Analysis:	GRO by GC-FID (S)	**Sample No**	2329228
		Sample ID	ADV11
		Depth	

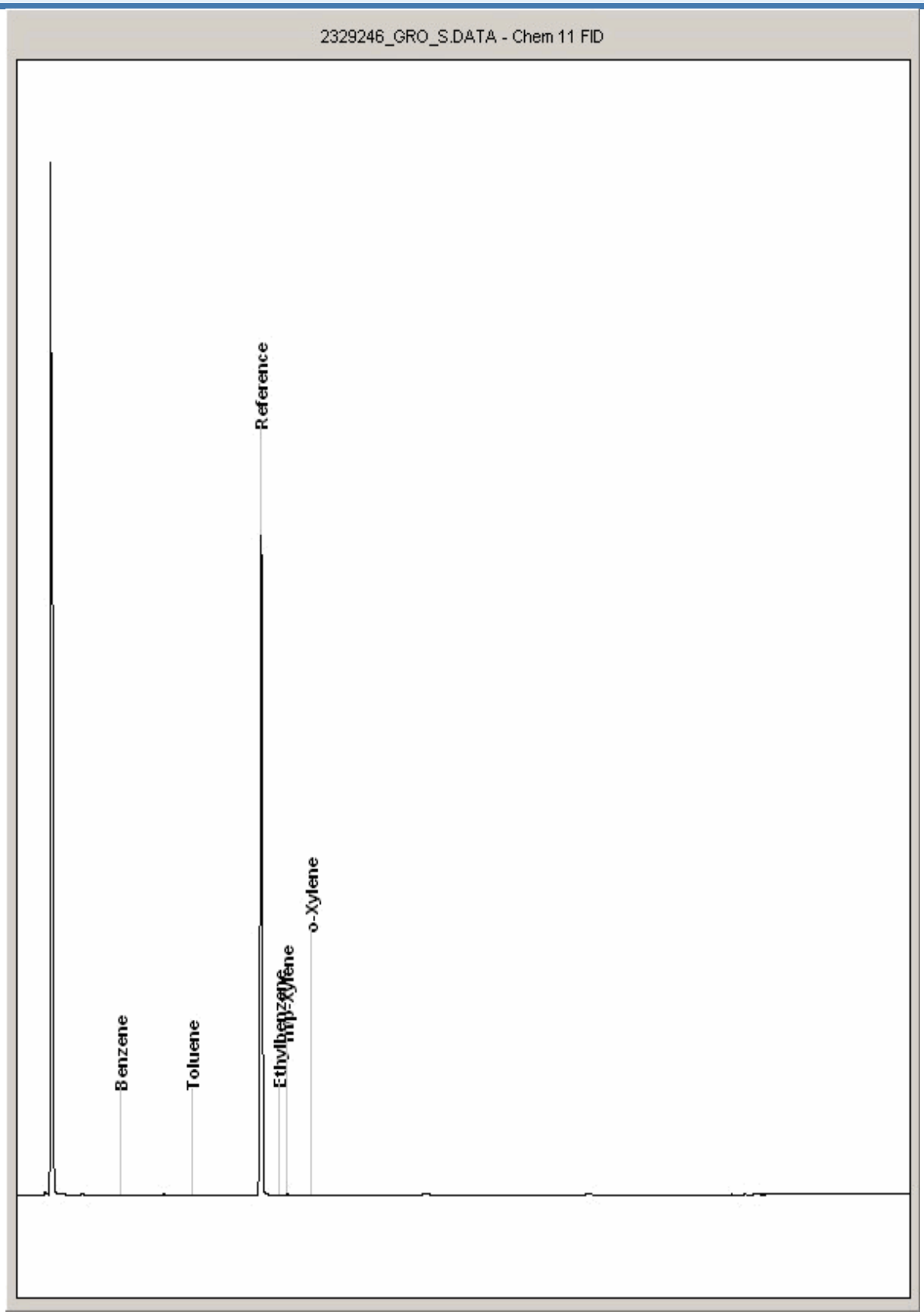


Validated

ALcontrol Laboratories Analytical Services

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

Analysis:	GRO by GC-FID (S)	**Sample No**	2329246
		Sample ID	ADV12
		Depth	

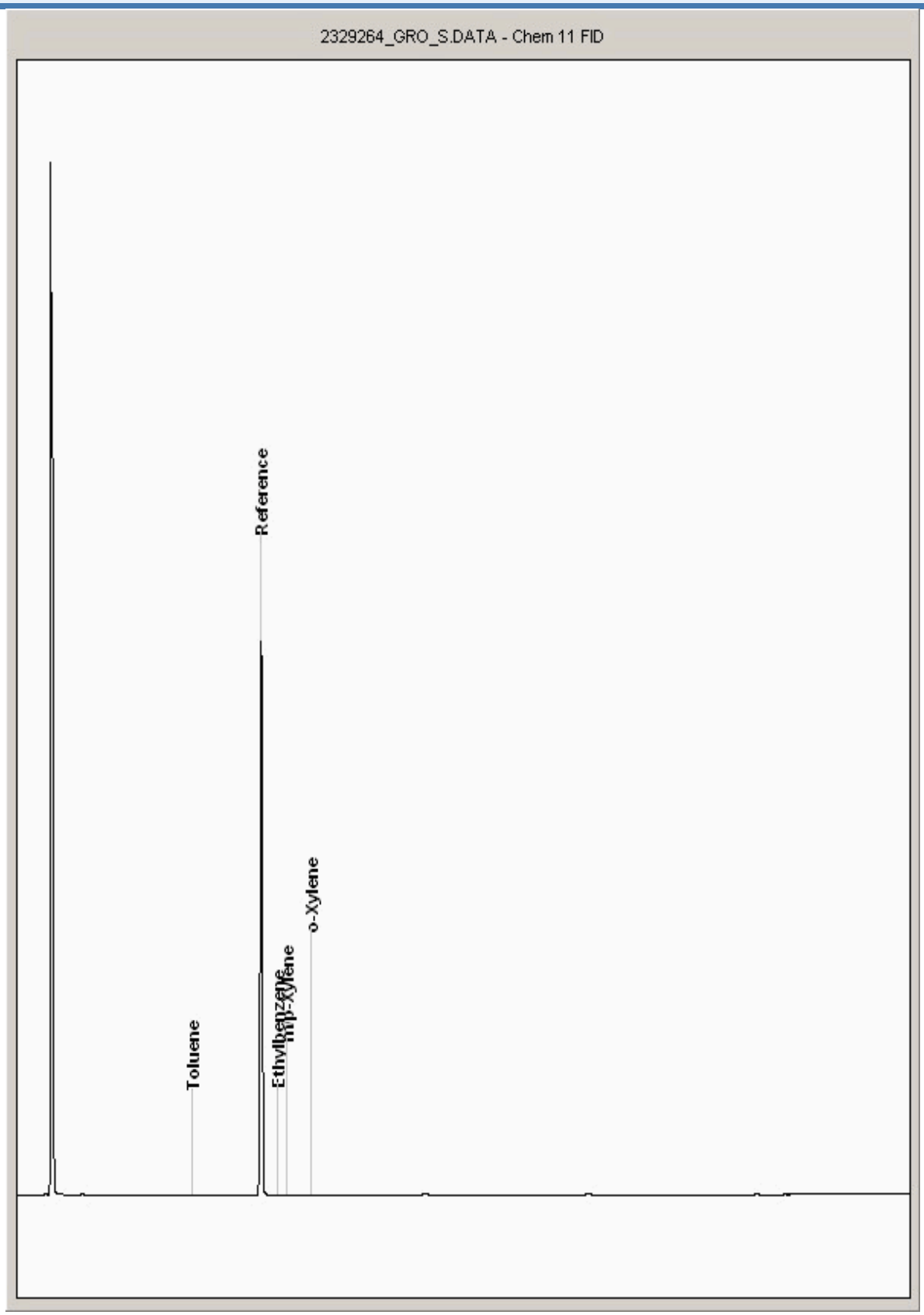


Validated

ALcontrol Laboratories Analytical Services

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

Analysis:	GRO by GC-FID (S)	**Sample No**	2329264
		Sample ID	ADV13
		Depth	

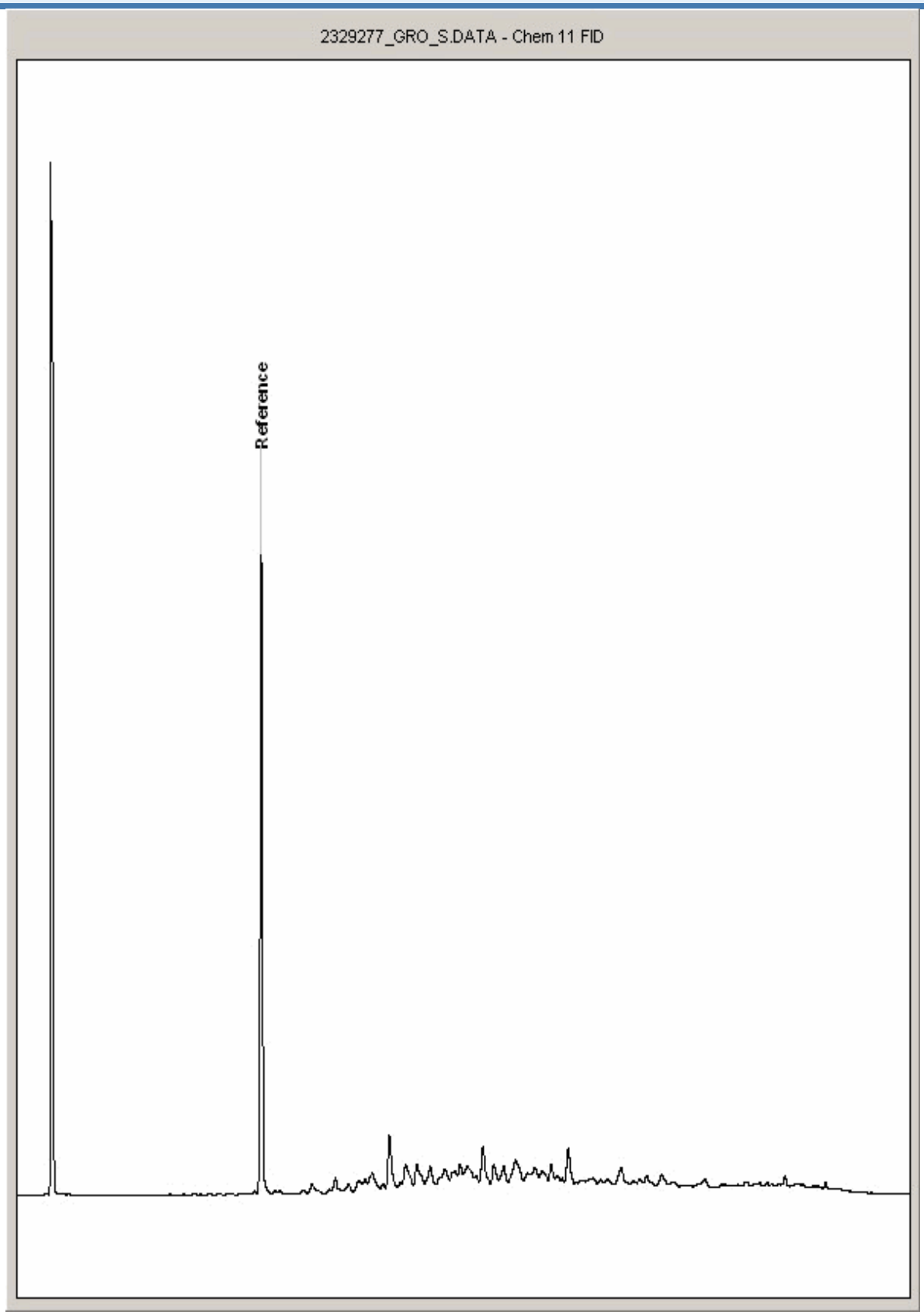


Validated

ALcontrol Laboratories Analytical Services

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

Analysis:	GRO by GC-FID (S)	**Sample No**	2329277
		Sample ID	ADV14
		Depth	

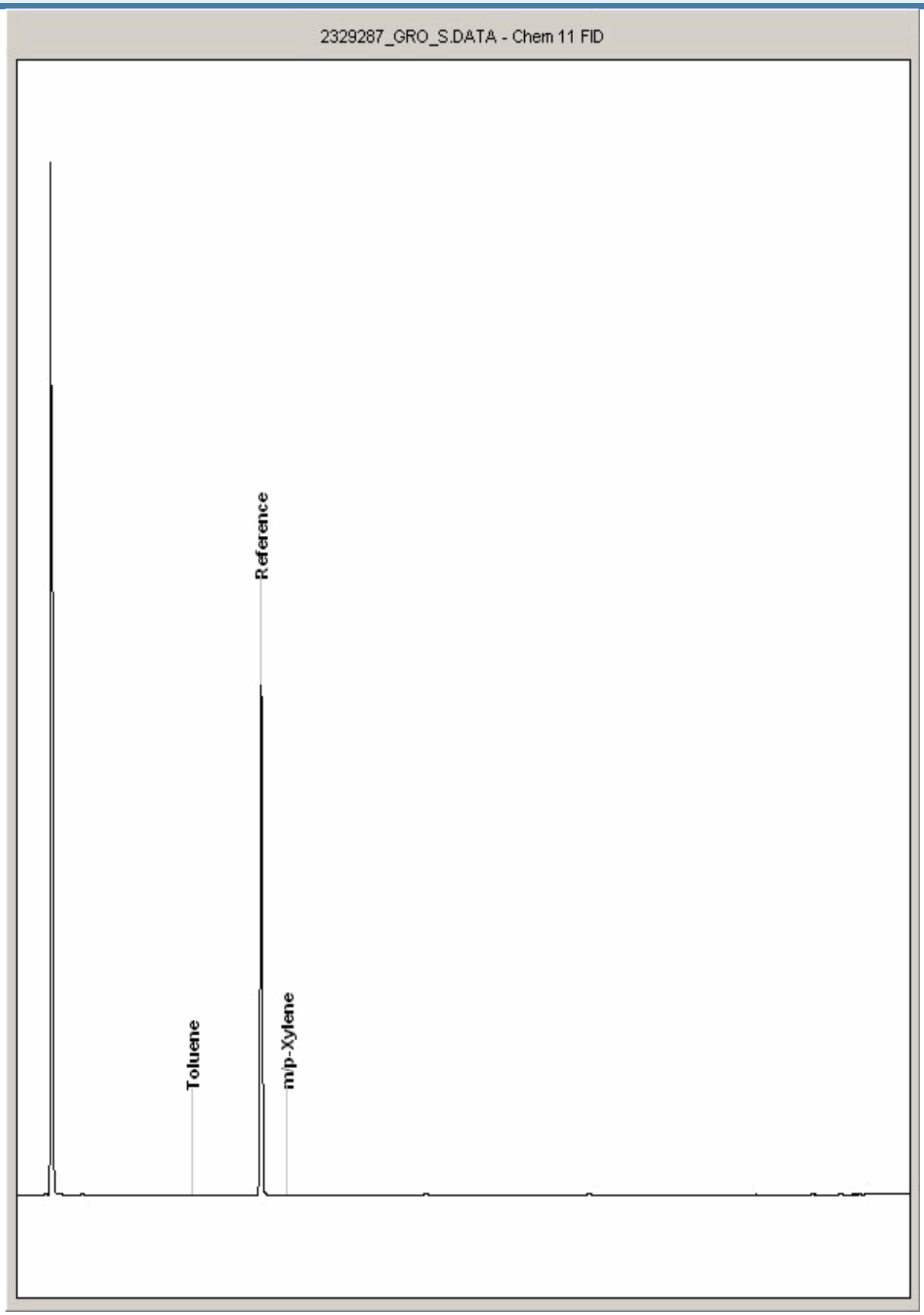


Validated

ALcontrol Laboratories Analytical Services

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

Analysis:	GRO by GC-FID (S)	**Sample No**	2329287
		Sample ID	ADV15
		Depth	

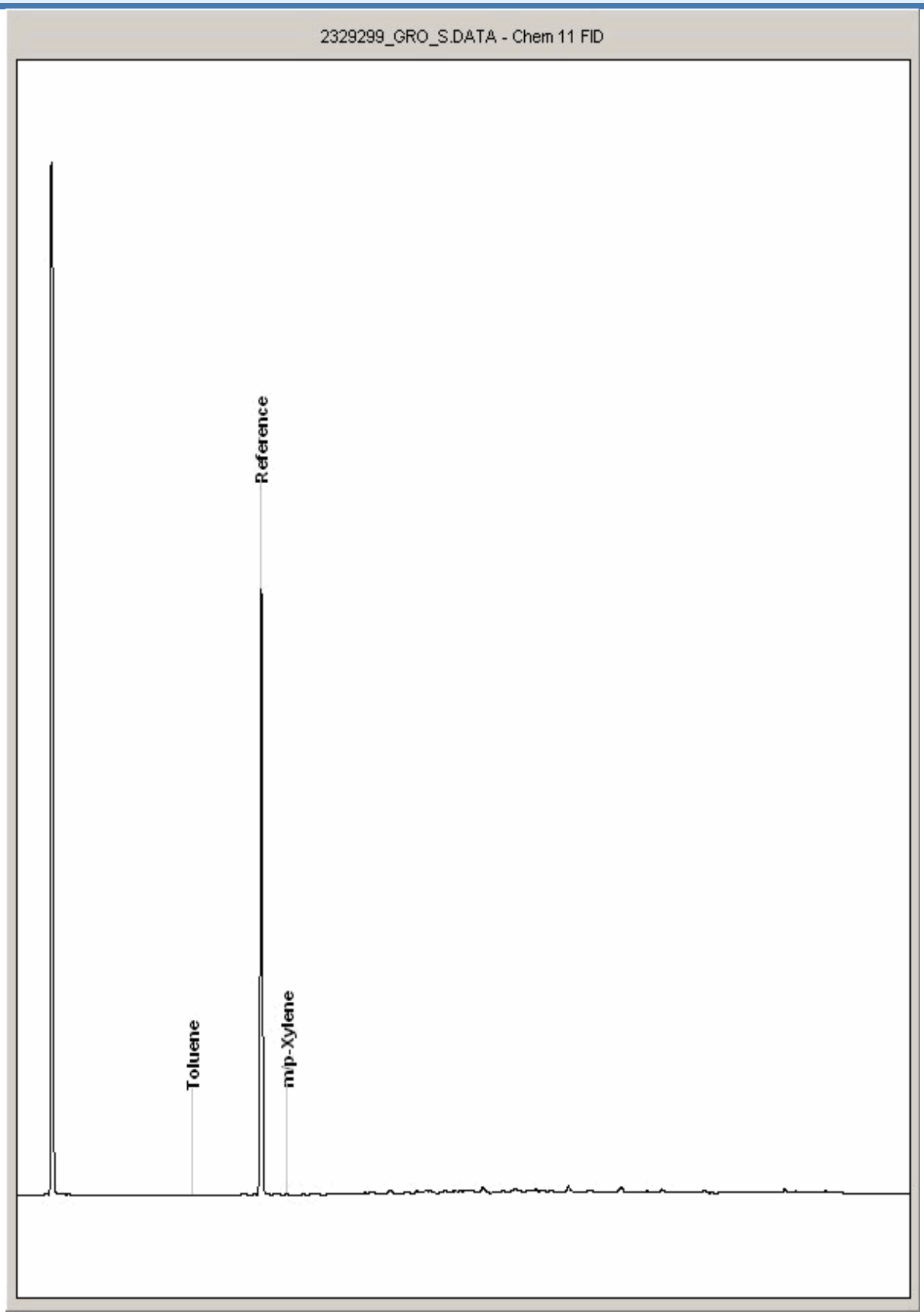


Validated

ALcontrol Laboratories Analytical Services

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

Analysis:	GRO by GC-FID (S)	**Sample No**	2329299
		Sample ID	ADV16
		Depth	

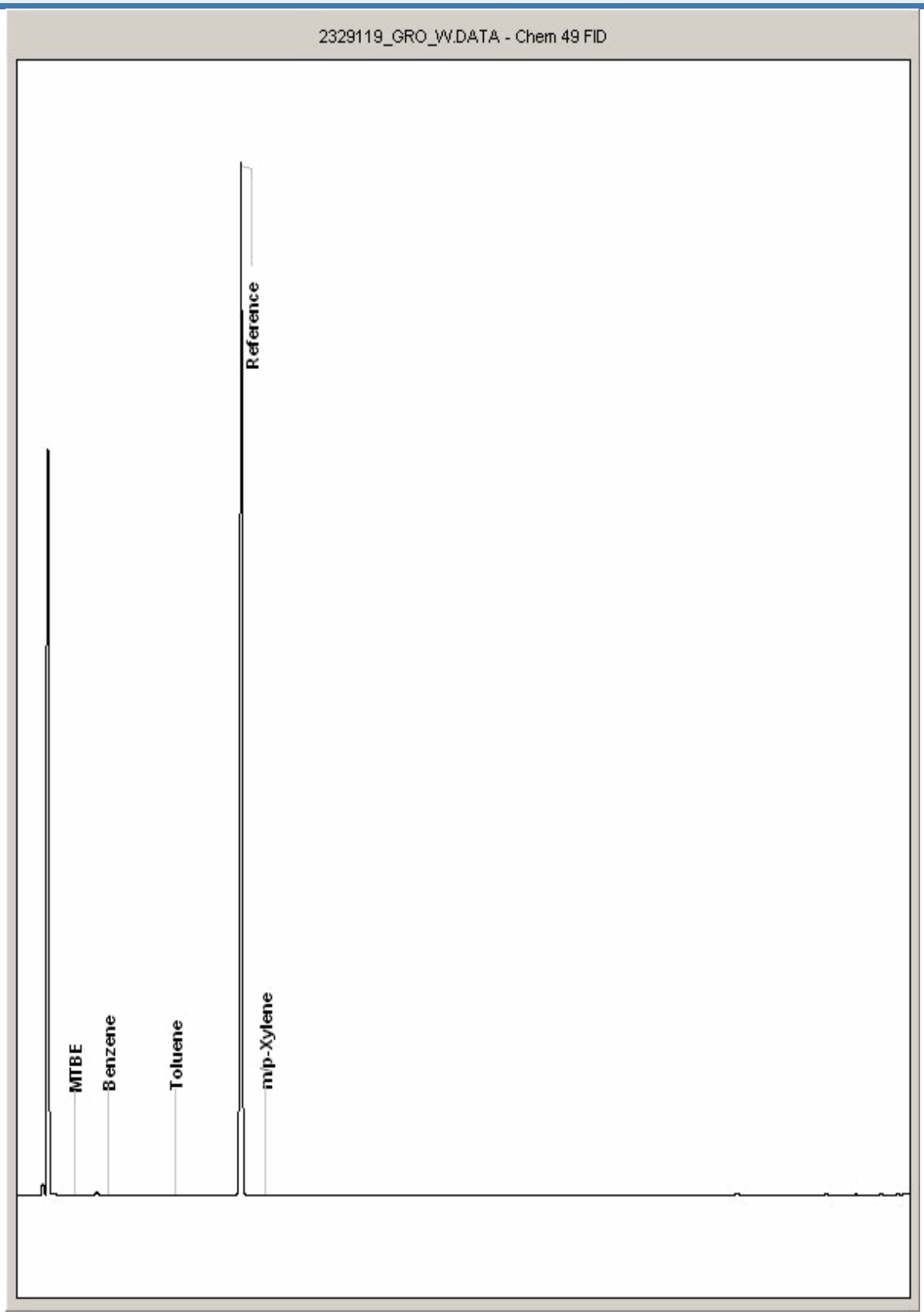


Validated

ALcontrol Laboratories Analytical Services

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

Analysis:	GRO by GC-FID (W)	**Sample No**	2329119
		Sample ID	36"
		Depth	

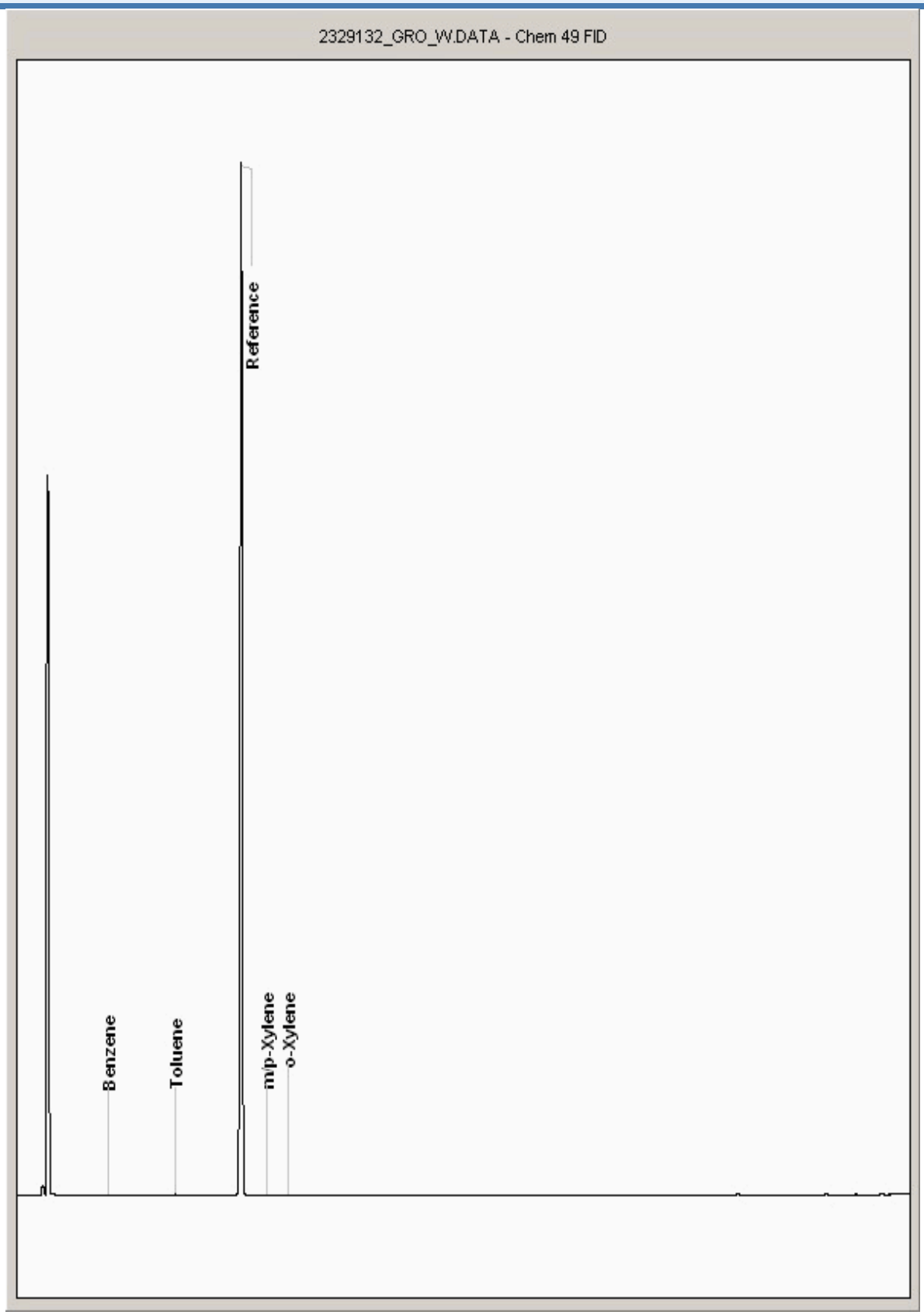


Validated

ALcontrol Laboratories Analytical Services

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

Analysis:	GRO by GC-FID (W)	**Sample No**	2329132
		Sample ID	NSR OUT
		Depth	

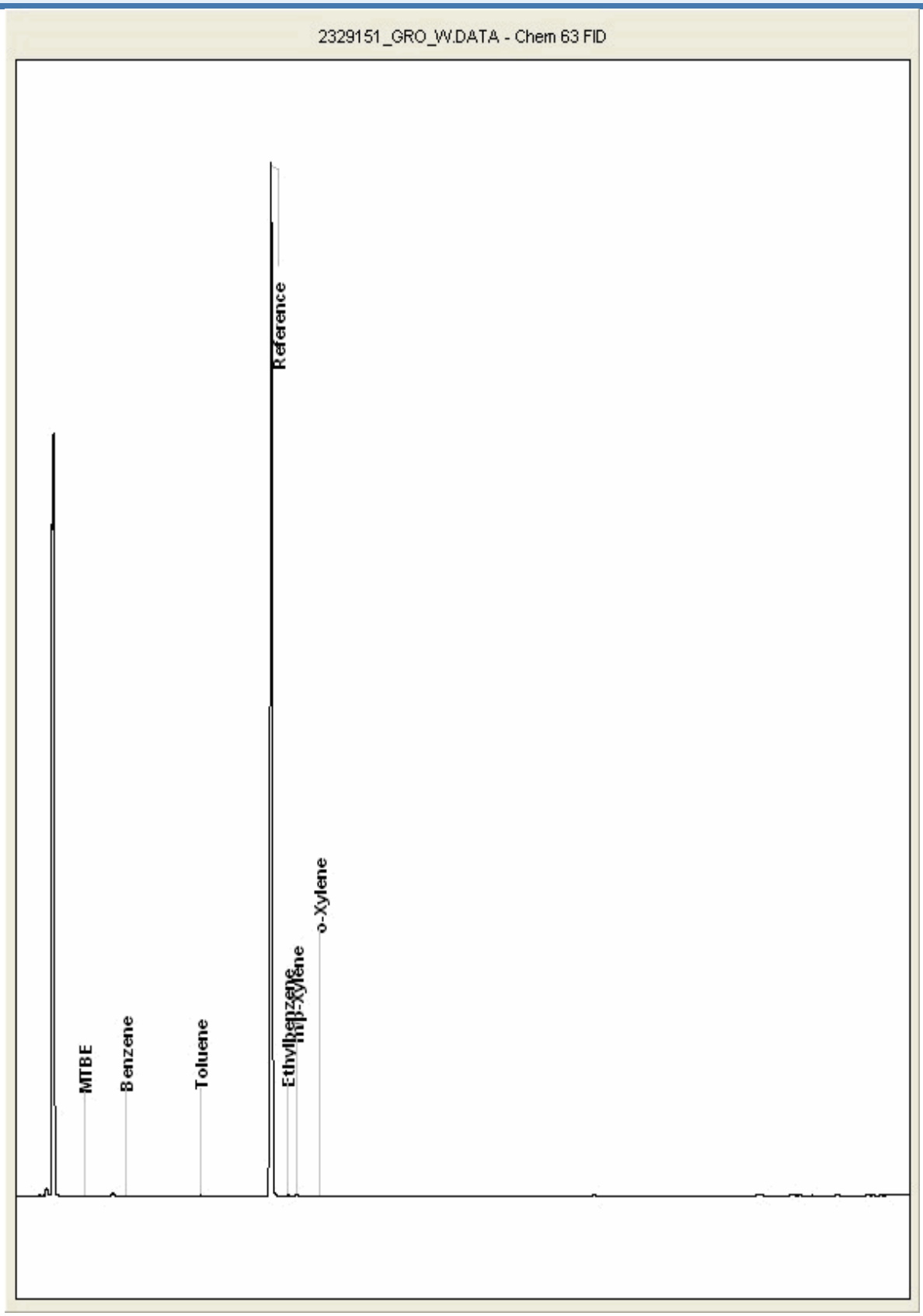


Validated

ALcontrol Laboratories Analytical Services

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

Analysis:	GRO by GC-FID (W)	**Sample No**	2329151
		Sample ID	NSR IN
		Depth	

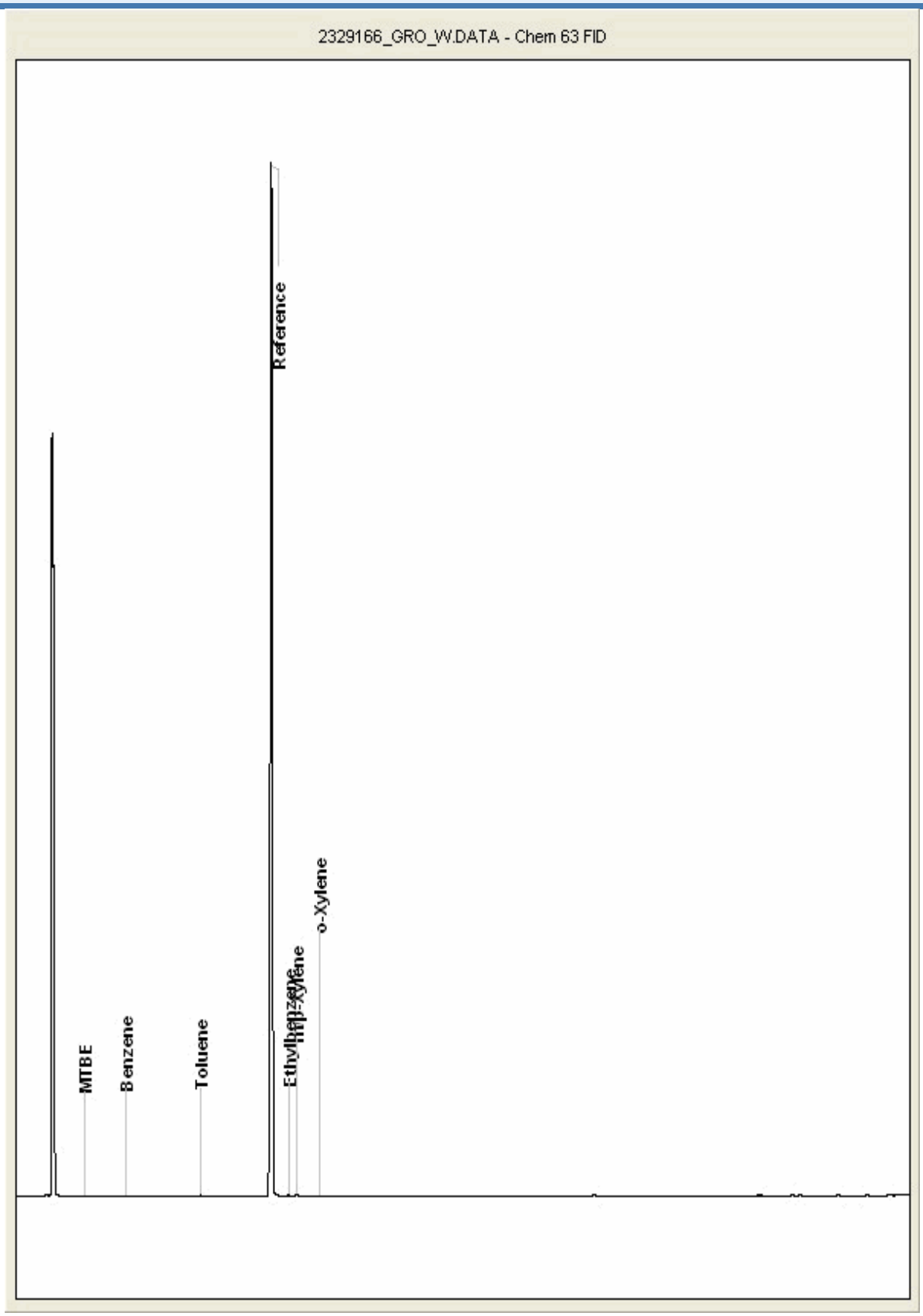


Validated

ALcontrol Laboratories Analytical Services

SDG:	101102-2	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-77	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Area 1 SPs	**Order No.:**	CD0062
Location:	Coed Darcy Urban Village	**Report No:**	102762

Analysis:	GRO by GC-FID (W)	**Sample No**	2329166
		Sample ID	CBL OVERPUMP
		Depth	



APPENDIX

APPENDIX

1. Results are expressed on a dry weight basis (dried at 35°C) for all soil analyses except for the following: NRA Leach tests, flash point, ammonium as NH_4 by the BRE method, VOC TICS, SVOC TICS, TOF-MS SCAN/SEARCH and TOF-MS 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 both soil jars, tubs and volatile jars. All waters and vials will be discarded 10 days after the analysis is completed (e-mailed). All material removed during an asbestos containing material screen and analysed for the presence of asbestos 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 screened in house for the presence of large asbestos containing material fragments/pieces. If no asbestos containing material is found this will be reported as 'no asbestos containing material detected'. If asbestos containing material is detected it will be removed and analysed by our documented in house method TM048 based on HSG 248 (2005), which is accredited to ISO17025. If asbestos containing material is present no further analysis will be undertaken. At no point is the fibre content of the soil sample determined.
7. If no separate volatile sample is supplied by the client, the integrity of the data may be compromised if the laboratory is required to create a sub-sample from the bulk sample – similarly, if a headspace or sediment is present in the volatile sample. This will be flagged up as an invalid VOC on the test schedule or recorded on the log sheet.
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. A table containing the date of analysis for each parameter is not routinely included with the report, but is available upon request.
12. Results relate only to the items tested
13. **Surrogate recoveries** – Most of our organic methods include surrogates, the recovery of which is monitored and reported. For EPH, MO, PAH, GRO and VOCs on soils the result is not surrogate corrected, but a percentage recovery is quoted. Acceptable limits for most organic methods are 70 – 130 %.
14. **Product analyses** – Organic analyses on products can only be semi-quantitative due to the matrix effects and high dilution factors employed.
15. Phenols monohydric by HPLC include phenol, cresols (2-Methylphenol, 3-Methylphenol and 4-Methylphenol) and Xylenols (2,3 Dimethylphenol, 2,4 Dimethylphenol, 2,5 Dimethylphenol, 2,6 Dimethylphenol, 3,4 Dimethyphenol, 3,5 Dimethylphenol).
16. Total of 5 speciated phenols by HPLC includes Phenol, 2,3,5-Trimethyl Phenol, 2-Isopropylphenol, Cresols and Xylenols (as detailed in 14).
17. Stones/debris are not routinely removed. We always endeavour to take a representative sub sample from the received sample.
18. Our MCERTS accreditation for PAHs by GCMS applies to all product types apart from Kerosene, where naphthalene only is not accredited.
19. 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 C4 – C10 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.

LIQUID MATRICES EXTRACTION SUMMARY

ANALYSIS	EXTRACTION SOLVENT	EXTRACTION METHOD	ANALYSIS
PAH MS	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC MS
EPH	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
EPH CWG	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
MINERAL OIL	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
PCB 7 CONGENERS	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC MS
PCB TOTAL	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GS MS
SVOC	DCM	LIQUID/LIQUID SHAKE	GC MS
FREE SULPHUR	DCM	SOLID PHASE EXTRACTION	HPLC
PEST OCP/OPP	DCM	LIQUID/LIQUID SHAKE	GC MS
TRIAZINE HERBS	DCM	LIQUID/LIQUID SHAKE	GC MS
PHENOLS MS	DCM	SOLID PHASE EXTRACTION	GC MS
TPH by INFRA RED (IR)	TCE	LIQUID/LIQUID EXTRACTION	HPLC
MINERAL OIL by IR	TCE	LIQUID/LIQUID EXTRACTION	HPLC
GLYCOLS	NONE	DIRECT INJECTION	GC FID

SOLID MATRICES EXTRACTION SUMMARY

ANALYSIS	D/C OR WET	EXTRACTION SOLVENT	EXTRACTION METHOD	ANALYSIS
Solvent Extractable Matter	D&C	DCM	SOXTHERM	GRAVIMETRIC
Cyclohexane Ext. Matter	D&C	CYCLOHEXANE	SOXTHERM	GRAVIMETRIC
Thin Layer Chromatography	D&C	DCM	SOXTHERM	IATROSCAN
Elemental Sulphur	D&C	DCM	SOXTHERM	HPLC
Phenols by GCMS	WET	DCM	SOXTHERM	GC-MS
Herbicides	D&C	HEXANE:ACETONE	SOXTHERM	GC-MS
Pesticides	D&C	HEXANE:ACETONE	SOXTHERM	GC-MS
EPH (DRO)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH (Min oil)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH (Cleaned up)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH CWG by GC	D&C	HEXANE:ACETONE	END OVER END	GC-FID
PCB tot / PCB con	D&C	HEXANE:ACETONE	END OVER END	GC-MS
Polyaromatic Hydrocarbons (MS)	WET	HEXANE:ACETONE	Microwave TM218.	GC-MS
C8-C40 (C6-C40)EZ Flash	WET	HEXANE:ACETONE	SHAKER	GC-EZ
Polyaromatic Hydrocarbons Rapid GC	WET	HEXANE:ACETONE	SHAKER	GC-EZ
Semi Volatile Organic Compounds	WET	DCM:ACETONE	SONICATE	GC-MS

Identification of Asbestos in Bulk Materials

The results for asbestos identification for soil samples are obtained from possible Asbestos Containing Material, removed during the 'Screening of soils for Asbestos Containing 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).

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 MDHS 100.

The identification of asbestos containing materials 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.

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

Monitor Phase 43_Testing of treated materials prior to re-use

Sample	1,2-Dichloroethane	Carbon tetrachloride	Cis-1,2-Dichloroethylene	Dichloromethane	Tetrachloroethylene	Trans-1,2-Dichloroethene	Trichloroethylene	Vinyl chloride	benzene	toluene	ethylbenzene	m&p-xylene	o-xylene
	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
DIRE TMP REM 1	204	<280	<100	<200	<100	<220	<180	<200	<10	<2	<3	<6	<3
DIRE TMP REM 10	921	<280	<100	<200	<100	<220	<180	<200	33.3	<2	<3	<6	<3
DIRE TMP REM 2	1340	<280	<100	<200	<100	<220	<180	<200	<10	<2	<3	<6	<3
DIRE TMP REM 3	767	<280	<100	<200	<100	<220	<180	<200	<10	<2	<3	<6	<3
DIRE TMP REM 4	1270	<280	<100	285	<100	<220	<180	<200	<10	<2	<3	<6	<3
DIRE TMP REM 5	7720	<280	<100	1590	<100	<220	<180	<200	<10	<2	<3	<6	<3
DIRE TMP REM 6									<10	<2	<3	<6	<3
DIRE TMP REM 7	1730	<280	<100	<200	<100	<220	<180	<200	23.2	<2	<3	<6	<3
DIRE TMP REM 8	5400	<280	<100	839	<100	<220	<180	<200	<10	<2	<3	<6	<3
DIRE TMP REM 9	1350	<280	<100	<200	<100	<220	<180	<200	22.2	<2	<3	<6	<3
DIRE TMP SOURCE REM 1	402	<280	<100	<200	<100	<220	<180	<200	<10	<2	<3	<6	<3
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DMESP2	<100	<280	<100	<200	<100	<220	<180	<200	<10	<2	<3	<6	<3
DMESP3	<100	<280	<100	<200	<100	<220	<180	<200	<10	<2	<3	<6	<3
DMESP4	<100	<280	<100	<200	<100	<220	<180	<200	<10	<2	<3	<6	<3
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DMESP6	<100	<280	<100	<200	<100	<220	<180	<200	<10	<2	<3	<6	<3
DMESP7	<100	<280	<100	<200	<100	<220	<180	<200	<10	<2	<3	<6	<3
DMESP8	1560	<280	<100	<200	<100	<220	<180	<200	<10	<2	<3	<6	<3
DMESP9	<100	<280	<100	<200	<100	<220	<180	<200	22.8	<2	<3	<6	<3
DMESP10	539	<280	<100	<200	<100	<220	<180	<200	14.8	<2	12.3	113	140
DME11	<100	<280	<100	<200	<100	<220	<180	<200	20.9	<2	<3	<6	<3
DME12	314	<280	<100	<200	<100	<220	<180	<200	<10	<2	<3	<6	<3
DME13	853	<280	<100	<200	<100	<220	<180	<200	<10	<2	<3	<6	<3
DME14	484	<280	<100	<200	<100	<220	<180	<200	<10	<2	<3	<6	<3
DME15	763	<280	<100	<200	<100	<220	<180	<200	<10	<2	<3	<6	<3
DME16	1670	<280	<100	<200	<100	<220	<180	<200	<10	<2	<3	<6	<3
DME17	902	<280	<100	<200	<100	<220	<180	<200	<10	<2	<3	<6	<3
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DME20	<100	<280	<100	<200	<100	<220	<180	<200	<10	<2	4.48	<6	14.6
DME21	<100	<280	<100	<200	<100	<220	<180	<200	11.3	<2	<3	<6	<3
DME22	<100	<280	<100	<200	<100	<220	<180	<200	<10	<2	<3	<6	<3
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DME27	962	<280	<100	471	<100	<220	<180	<200	<10	<2	<3	<6	<3
DME28	<100	<280	<100	<200	<100	<220	<180	<200	<10	<2	<3	<6	<3
DME29	<100	<280	<100	<200	<100	<220	<180	<200	<10	<2	<3	<6	<3
DME30	361	<28	<10	<20	<10	<22	<18	<20	<50	<10	<15	<30	<15
DIME TMP 001	1180	<14	<5	116	14.2	<11	<9	<10	<10	<2	<3	97.2	109
DIME TMP 002	1280	<14	<5	201	13.5	<11	15.6	15.6	<10	<2	<3	<6	<3
DIME TMP 003	3140	<280	<100	<200	<100	<220	<180	<200	<10	32.2	<3	<6	156
DIME TMP 004	388	<280	<100	<200	<100	<220	<180	<200	25.5	38.3	<3	<6	99.8
DIME TMP 5	<5	<14	<5	17.6	<5	<11	<9	<10	<10	<2	6.9	44.9	24.2
DIME TMP 6	1290	<14	<5	1960	34.5	<11	13.1	107	<10	<2	<3	<6	<3
DIME TMP 7	1730	<14	<5	397	14.8	<11	<9	<10	<10	<2	<3	<6	<3
DIME TMP 8	963	<14	<5	86.6	<5	<11	<9	23.8	<10	<2	<3	<6	<3
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DIME TMP 11	<100	<280	<100	<200	<100	<220	<180	<200	<10	<2	<3	<6	164
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DIME TMP BASE 1	269	<280	<100	<200	<100	<220	<180	<200	<10	<2	<3	<6	<3
DIME TMP BASE 10	310	<28	<10	38.3	<10	<22	<18	<20	36	41.8	<3	<6	<3
DIME TMP BASE 2	7540	<280	<100	780	<100	<220	<180	<200	33.9	<2	<3	<6	<3
DIME TMP BASE 3	1470	<280	<100	277	<100	<220	<180	<200	<10	<2	<3	<6	<3
DIME TMP BASE 4	280	<28	<10	33.6	<10	<22	<18	<20	<10	<2	<3	<6	<3
DIME TMP BASE 5	479	<28	<10	94.7	<10	<22	<18	<20	<10	<2	<3	<6	<3
DIME TMP BASE 6	1900	<28	<10	454	<10	<22	<18	<20	<10	<2	<3	<6	<3
DIME TMP BASE 7	574	<28	<10	85.7	<10	<22	<18	<20	<10	<2	<3	<6	119
DIME TMP BASE 8	2040	<28	<10	270	<10	<22	<18	<20	<10	<2	<3	<6	<3
DIME TMP BASE 9	432	<28	<10	38	<10	<22	<18	<20	39.4	<2	<3	<6	<3
DIRE BASE TMP SOURCE 1	<100	<280	<100	<200	<100	<220	<180	<200	<10	<2	<3	<6	<3
DIME RTC	9100		190000	3100000	-	33000	220000	7800	4700	-	-	-	-

L 579663 WS Atkins Limited: Coed Darcy Urban Village								
STL Laboratory Number				**11023175**	**11023176**	**11023177**	**11023178**	**11023179**
Customer Sample Ref.				**EAS01@0.50m-0.70m**	**EAS02@0.70m-0.90m**	**EAS03@0.40m-0.60m**	**EAS04@0.30m-0.50m**	**EAS05@0.50m-0.70m**
Analyte	**Method**	**Units**	**Acc**					
Arsenic as As, dry weight	30/30C	mg/kg		75	81	15	13	20
Cadmium as Cd, dry weight	30	mg/kg		2.9	2.5	0.55	0.5	0.8
Chromium as Cr, dry weight	30	mg/kg		26	33	31	17	18
Copper as Cu, dry weight	30	mg/kg		170	120	51	74	130
Lead as Pb, dry weight	30	mg/kg		750	1100	63	120	120
Mercury as Hg, dry weight	30C	mg/kg		0.54	0.53	<0.25	<0.25	<0.25
Nickel as Ni, dry weight	30	mg/kg		35	25	24	33	43
Selenium as Se, dry weight	30C	mg/kg		0.85	0.62	0.35	0.56	0.52
Vanadium as V, dry weight	30	mg/kg		37	30	23	27	25
Zinc as Zn, dry weight	30	mg/kg		1300	1800	140	320	410
Ammonia as N	BG SPEC	mg/kg		<85	<85	<85	<85	<85
Cyanide, Total	14	mg/kg		<2.5	<2.5	<2.5	<2.5	<2.5
Sulphate as SO4, Water Soluble	46	mg/kg		<120	<120	<120	<120	<120
Sulphide, Total dry weight	47	mg/kg		<7.5	<7.5	<7.5	<7.5	<7.5
pH	39	pH units		8.4	8.6	8.9	8	7.4
VPH >C5 - C6, aliphatic	304	mg/kg		75	81	15	13	20
VPH >C6 - C8, aliphatic	304	mg/kg		2.9	2.5	0.55	0.5	0.8
VPH >C8 - C10, aliphatic	304	mg/kg		26	33	31	17	18
EPH >C10 - C12, aliphatic	317EPH	mg/kg		170	120	51	74	130
EPH >C12 - C16, aliphatic	317EPH	mg/kg		750	1100	63	120	120
EPH >C16 - C35, aliphatic	317EPH	mg/kg		0.54	0.53	<0.25	<0.25	<0.25
EPH >C35 - C44, aliphatic	317EPH	mg/kg		35	25	24	33	43
EPH >C5 - C44, Total aliphatic	304/317EPH	mg/kg		0.85	0.62	0.35	0.56	0.52
VPH >C5- C7, aromatic	304	mg/kg		37	30	23	27	25
VPH >C7 - C8, aromatic	304	mg/kg		1300	1800	140	320	410
VPH >C8 - C10, aromatic	304	mg/kg		N/S	N/S	N/S	N/S	<0.10
EPH >C10 - C12, aromatic	317EPH	mg/kg		N/S	N/S	N/S	N/S	<1.0
EPH >C12 - C16, aromatic	317EPH	mg/kg		N/S	N/S	N/S	N/S	<1.0
EPH >C16 - C21, aromatic	317EPH	mg/kg		N/S	N/S	N/S	N/S	<1.0
EPH >C21 - C35, aromatic	317EPH	mg/kg		N/S	N/S	N/S	N/S	32
EPH >C35 - C44, aromatic	317EPH	mg/kg		N/S	N/S	N/S	N/S	32
EPH >C5 - C44, Total aromatic	304/317EPH	mg/kg		N/S	N/S	N/S	N/S	64
EPH >C5 - C44, Total	304/317EPH	mg/kg		N/S	N/S	N/S	N/S	110
TPH >C6 - C40, Total	317	mg/kg		250	150	420	130	N/S
PAH, Total	LPH307	mg/kg		14	<10	<10	<10	<10
Description of Sample	70	Text	*	SEE A/C	SEE A/C	SEE A/C	SEE A/C	SEE A/C
Asbestos Identification	70	Text		SEE A/C	SEE A/C	SEE A/C	SEE A/C	SEE A/C

Key
N/S - Not Scheduled
I/S - Insufficient Sample
To Follow - analysis incomplete (interim reports only)

Acc=Accreditation codes: *=not UKAS accredited.

L 579663 WS Atkins Limited: Coed Darcy Urban Village							
STL Laboratory Number			**11023180**	**11023181**	**11023182**	**11023185**	**11023186**
Customer Sample Ref.			**EAS06@1.20m-1.40m**	**EAS07@1.60m-1.80m**	**EAS08@1.50m-1.70m**	**EAS11@1.50m-1.70m**	**EAS12@1.00m-1.20m**
Analyte	**Method**	**Units**					
Arsenic as As, dry weight	30/30C	mg/kg	31	51	18	15	12
Cadmium as Cd, dry weight	30	mg/kg	0.87	1.3	0.6	0.53	<0.50
Chromium as Cr, dry weight	30	mg/kg	17	29	15	15	11
Copper as Cu, dry weight	30	mg/kg	94	120	50	51	40
Lead as Pb, dry weight	30	mg/kg	140	310	45	93	180
Mercury as Hg, dry weight	30C	mg/kg	<0.25	<0.25	<0.25	<0.25	<0.25
Nickel as Ni, dry weight	30	mg/kg	29	27	22	20	19
Selenium as Se, dry weight	30C	mg/kg	0.52	0.82	0.52	0.32	0.48
Vanadium as V, dry weight	30	mg/kg	26	33	24	18	14
Zinc as Zn, dry weight	30	mg/kg	170	430	93	200	310
Ammonia as N	BG SPEC	mg/kg	<85	<85	<85	<85	<85
Cyanide, Total	14	mg/kg	<2.5	<2.5	<2.5	<2.5	<2.5
Sulphate as SO4, Water Soluble	46	mg/kg	<120	<120	<120	<120	480
Sulphide, Total dry weight	47	mg/kg	<7.5	<7.5	<7.5	<7.5	15
pH	39	pH units	7.7	8.2	8.4	8.6	8.7
VPH >C5 - C6, aliphatic	304	mg/kg	31	51	18	15	12
VPH >C6 - C8, aliphatic	304	mg/kg	0.87	1.3	0.6	0.53	<0.50
VPH >C8 - C10, aliphatic	304	mg/kg	17	29	15	15	11
EPH >C10 - C12, aliphatic	317EPH	mg/kg	94	120	50	51	40
EPH >C12 - C16, aliphatic	317EPH	mg/kg	140	310	45	93	180
EPH >C16 - C35, aliphatic	317EPH	mg/kg	<0.25	<0.25	<0.25	<0.25	<0.25
EPH >C35 - C44, aliphatic	317EPH	mg/kg	29	27	22	20	19
EPH >C5 - C44, Total aliphatic	304/317EPH	mg/kg	0.52	0.82	0.52	0.32	0.48
VPH >C5- C7, aromatic	304	mg/kg	26	33	24	18	14
VPH >C7 - C8, aromatic	304	mg/kg	170	430	93	200	310
VPH >C8 - C10, aromatic	304	mg/kg	N/S	N/S	<0.10	N/S	N/S
EPH >C10 - C12, aromatic	317EPH	mg/kg	N/S	N/S	<1.0	N/S	N/S
EPH >C12 - C16, aromatic	317EPH	mg/kg	N/S	N/S	<1.0	N/S	N/S
EPH >C16 - C21, aromatic	317EPH	mg/kg	N/S	N/S	<1.0	N/S	N/S
EPH >C21 - C35, aromatic	317EPH	mg/kg	N/S	N/S	27	N/S	N/S
EPH >C35 - C44, aromatic	317EPH	mg/kg	N/S	N/S	8.1	N/S	N/S
EPH >C5 - C44, Total aromatic	304/317EPH	mg/kg	N/S	N/S	35	N/S	N/S
EPH >C5 - C44, Total	304/317EPH	mg/kg	N/S	N/S	35	N/S	N/S
TPH >C6 - C40, Total	317	mg/kg	160	59	N/S	130	160
PAH, Total	LPH307	mg/kg	<10	<10	<10	<10	21
Description of Sample	70	Text	SEE A/C	SEE A/C	SEE A/C	SEE A/C	SEE A/C
Asbestos Identification	70	Text	SEE A/C	SEE A/C	SEE A/C	SEE A/C	SEE A/C

Key
N/S - Not Scheduled
I/S - Insufficient Sample
To Follow - analysis incomplete (interim reports only)

Acc=Accreditation codes: *=not UKAS accredited.

Monitor Phase 43 Stockpile sampling prior to re-use

Sample Ref	Stockpile Ref	1,2-Dichloroethane	Cis-1,2-Dichloroethylene	Dichloromethane	Trans-1,2-Dichloroethene	Trichloroethylene	Carbon tetrachloride	Vinyl chloride	benzene	VPH >C6 C7, aromatic	m&p-xylene	o-xylene
		µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	mg/kg	µg/kg	µg/kg
EAS01	**12**											
EAS02	**12**											
EAS03	**12**											
EAS04	**12**											
EAS05	**12**											
EAS06	**12**											
EAS07	**12**											
EAS08	**12**											
EAS11	**12**											
EAS12	**12**											
SP23 01	**23**	<5	<5	<10	<11	<9	<14	<10	<9	<.010	<4	<14
SP23 02	**23**	<5	<5	<10	<11	<9	<14	<10	<9	<.010	<4	<14
SP23 03	**23**	<5	<5	<10	<11	<9	<14	<10	<9	<.010	<4	<14
SP23 04	**23**	<5	<5	<10	<11	<9	<14	<10	<9	<.010	<4	<14
SP23 05	**23**	<5	<5	<10	<11	<9	<14	<10	<9	<.010	<4	<14
SP23 06	**23**	<5	<5	<10	<11	<9	<14	<10	<9	<.010	<4	17.3
SP24 02	**24**	<5	<5	<10	<11	<9	<14	<10	<9	<.010	<4	<14
SP24 03	**24**	<5	<5	<10	<11	<9	<14	<10	<9	<.010	8.01	<14
SP25 01	**25**	<5	<5	<10	<11	<9	<14	<10	<9	<.010	<4	<14
SP25 02	**25**									<.010		
SP31 01	**31**	<5	<5	<10	<11	<9	<14	<10	<9	<.010	<4	<14
SP31 02	**31**	<5	<5	<10	<11	<9	<14	<10	<9	<.010	5.58	<14
SP31 03	**31**	<5	<5	<10	<11	<9	<14	<10	<9	<.010	<4	<14
SP31 04	**31**	<5	<5	<10	<11	<9	<14	<10	<9	<.010	<4	<14
SP31 05	**31**	<5	<5	<10	<11	<9	<14	<10	<9	<.010	<4	<14
SP32 01	**32**	<5	<5	<10	<11	<9	<14	<10	<9	<.010	<4	<14
SP32 02	**32**	<5	<5	<10	<11	<9	<14	<10	<9	<.010	<4	<14
SP33 01	**33**									<.010		
ADV 1	**34**									<.010		
ADV 2	**34**									<.010		
ADV 3	**34**									<.010		
ADV 4	**34**									<.010		
ADV 5	**34**									<.010		
ADV 6	**34**									<.010		
ADV 7	**34**									<.010		
ADV 8	**34**									<.010		
ADV 9	**34**									<.010		
ADV 10	**34**									<.010		
ADV 11	**34**									<.010		
ADV 12	**34**									<.010		
ADV 13	**34**									<.010		
ADV 14	**34**									<.010		
ADV 15	**34**									<.010		
ADV 16	**34**									<.010		
DVI 1	**35**											
DVI 10	**35**									<0.01		
DVI 2	**35**											
DVI 3	**35**											
DVI 4	**35**											
DVI 5	**35**									<0.01		
DVI 6	**35**											
DVI 7	**35**											
DVI 8	**35**											
DVI 9	**35**											
SP35001	**35**									<0.01		
SP35002	**35**											
SP35003	**35**									<0.01		
SP35004	**35**											
SP35005	**35**									<0.01		
SP35006	**35**											
SP35007	**35**									<0.01		
SP35008	**35**											
SP35009	**35**									<0.01		
SP35010	**35**											
SP 38 001	**38**									<0.01		
SP 38 002	**38**									<0.01		
SP 38 003	**38**									<0.01		
SP 38 004	**38**									<0.01		
SP38005	**38**									<0.01		
SP38006	**38**											
SP38007	**38**									<0.01		
SP38008	**38**											
SP38009	**38**									<0.01		
SP38010	**38**											
SP38011	**38**									<0.01		
SP38012	**38**											
SP38013	**38**									<0.01		
SP38014	**38**											
SP38015	**38**									<0.01		
SP38016	**38**											
SP38017	**38**									<0.01		
SP38018	**38**											
SP38019	**38**									<0.01		
SP38020	**38**											
SP38021	**38**									<0.01		
SP38022	**38**											
SP3901	**39**									<0.01		
SP3902	**39**									<0.01		
SP3903	**39**									<0.01		
SP3904	**39**									<0.01		
SP3905	**39**									<0.01		
SP3906	**39**									<0.01		
SP3907	**39**									<0.01		
SP3908	**39**									0.01		
SP3909	**39**									<0.01		
SP3910	**39**									0.01		
SP3911	**39**									<0.01		
SP3912	**39**									0.01		
SP3913	**39**									<0.01		
RHV 01	**40**								28.3	0.03	<3	<6
RHV 02	**40**								<10	<0.01	<3	<6
RHV 03	**40**								16.8	0.02	<3	<6
RHV 04	**40**								<10	<0.01	<3	<6
RHV 05	**40**								13.8	0.01	<3	<6
RHV 06	**40**								<10	<0.01	<3	<6
RHV 07	**40**								<10	<0.01	<3	<6
RHV 08	**40**								<10	<0.01	<3	<6
RHV 09	**40**								<10	<0.01	<3	<6
RHV 10	**40**								25.3	0.03	<6	<12
RHV 11	**40**								<10	<0.01	<3	<6
RHV 12	**40**								<10	<0.01	<3	<6
RHV 13	**40**								<10	<0.01	<3	<6
RHV 14	**40**								17.1	0.02	<3	<6
RHV 15	**40**								<20	<20	<6	<12
RHV 16	**40**								32.2	0.03	<3	<6
RHV 17	**40**								<10	<0.01	<3	<6
RHV 18	**40**								<10	<0.01	<3	<6
RHV 19	**40**								<10	<0.01	<3	<6
RHV 20	**40**								23.4	0.02	<3	<6
DIME SP 1	**49**	245	<5	55.6	<11	<9	<14	<10	<10	<10	28.5	11.4
DIME SP 2	**49**	220	<5	51.2	<11	<9	<14	<10	20.1	<10	118	28.3
DIME SP 3	**49**	<5	<5	<10	<11	<9	<14	<10	<10	<10	7.02	<6
DIME SP 4	**49**	237	<5	39.3	<11	<9	<14	<10	<10	<10	52.2	80
RTC		9100	190000	3100000	330000	220000		7800	4700			
RBSL (RECREATIONAL)							301000		4800	432	478000	478000

ALcontrol Laboratories

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

Attention: Alex Mann

CERTIFICATE OF ANALYSIS

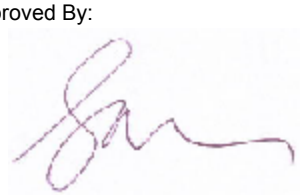
Date:	13 March 2012
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	120306-6
Your Reference:	DiME Soil Samples Only
Location:	Coed Darcy Urban Village
Report No:	174102

We received 12 samples on Tuesday March 06, 2012 and 12 of these samples were scheduled for analysis which was completed on Tuesday March 13, 2012. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

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

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

Approved By:



Sonia McWhan

Operations Manager

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CERTIFICATE OF ANALYSIS

SDG:	120306-6	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0225
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	174102
Client Reference:	DiME Soil Samples Only	**Attention:**	Alex Mann	**Superseded Report:**	

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
5278157	DIRE BASE TMP SOURCE 1			02/03/2012
5278158	DIRE TMP REM 1			05/03/2012
5278170	DIRE TMP REM 10			05/03/2012
5278160	DIRE TMP REM 2			05/03/2012
5278161	DIRE TMP REM 3			05/03/2012
5278162	DIRE TMP REM 4			05/03/2012
5278163	DIRE TMP REM 5			05/03/2012
5278165	DIRE TMP REM 6			05/03/2012
5278166	DIRE TMP REM 7			05/03/2012
5278167	DIRE TMP REM 8			05/03/2012
5278169	DIRE TMP REM 9			05/03/2012
5278171	DIRE TMP SOURCE REM 1			05/03/2012

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

SDG: 120306-6	**Location:** Coed Darcy Urban Village	**Order Number:** CD0225	
Job: H_ATKINS_LDC-44	**Customer:** Atkins Global Ltd	**Report Number:** 174102	
Client Reference: DiME Soil Samples Only	**Attention:** Alex Mann	**Superseded Report:**	

SOLID

Results Legend

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

Lab Sample No(s)			5278157			5278158			5278171			5278160			5278161			5278162			5278163			5278165			5278166			5278167			5278169			5278170		
Customer Sample Reference			DIRE BASE TMP SOURCE 1			DIRE TMP REM 1			DIRE TMP SOURCE REM 1			DIRE TMP REM 2			DIRE TMP REM 3			DIRE TMP REM 4			DIRE TMP REM 5			DIRE TMP REM 6			DIRE TMP REM 7			DIRE TMP REM 8			DIRE TMP REM 9			DIRE TMP REM 10		
AGS Reference																																						
Depth (m)																																						
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)
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 12	X			X			X			X			X			X			X			X			X			X			X			X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 12	X			X			X			X			X			X			X			X			X			X			X			X		
GRO by GC-FID (S)	All	NDPs: 0 Tests: 12			X			X			X			X			X			X			X			X			X			X			X			X
Metals by iCap-OES (Soil)	Arsenic	NDPs: 0 Tests: 12	X			X			X			X			X			X			X			X			X			X			X			X		
	Cadmium	NDPs: 0 Tests: 12	X			X			X			X			X			X			X			X			X			X			X			X		
	Chromium	NDPs: 0 Tests: 12	X			X			X			X			X			X			X			X			X			X			X			X		
	Copper	NDPs: 0 Tests: 12	X			X			X			X			X			X			X			X			X			X			X			X		
	Lead	NDPs: 0 Tests: 12	X			X			X			X			X			X			X			X			X			X			X			X		
	Mercury	NDPs: 0 Tests: 12	X			X			X			X			X			X			X			X			X			X			X			X		
	Nickel	NDPs: 0 Tests: 12	X			X			X			X			X			X			X			X			X			X			X			X		
	Selenium	NDPs: 0 Tests: 12	X			X			X			X			X			X			X			X			X			X			X			X		
	Vanadium	NDPs: 0 Tests: 12	X			X			X			X			X			X			X			X			X			X			X			X		
	Zinc	NDPs: 0 Tests: 12	X			X			X			X			X			X			X			X			X			X			X			X		
pH	All	NDPs: 0 Tests: 12		X			X			X			X			X			X			X			X			X			X			X			X	
Sample description	All	NDPs: 0 Tests: 12	X			X			X			X			X			X			X			X			X			X			X			X		

CERTIFICATE OF ANALYSIS

SDG:	120306-6	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0225
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	174102
Client Reference:	DiME Soil Samples Only	**Attention:**	Alex Mann	**Superseded Report:**	

SOLID

Results Legend

X **Test**

N **No Determination Possible**

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 12	5278157	DIRE BASE TMP SOURCE 1			250g Amber Jar (AL)
							400g Tub (ALE214)
							60g VOC (ALE215)
			5278158	DIRE TMP REM 1			250g Amber Jar (AL)
							400g Tub (ALE214)
							60g VOC (ALE215)
			5278171	DIRE TMP SOURCE REM 1			250g Amber Jar (AL)
							400g Tub (ALE214)
							60g VOC (ALE215)
			5278160	DIRE TMP REM 2			250g Amber Jar (AL)
							400g Tub (ALE214)
							60g VOC (ALE215)
			5278161	DIRE TMP REM 3			250g Amber Jar (AL)
							400g Tub (ALE214)
							60g VOC (ALE215)
			5278162	DIRE TMP REM 4			250g Amber Jar (AL)
							400g Tub (ALE214)
							60g VOC (ALE215)
			5278163	DIRE TMP REM 5			250g Amber Jar (AL)
							400g Tub (ALE214)
							60g VOC (ALE215)
			5278165	DIRE TMP REM 6			250g Amber Jar (AL)
							400g Tub (ALE214)
							60g VOC (ALE215)
			5278166	DIRE TMP REM 7			250g Amber Jar (AL)
							400g Tub (ALE214)
							60g VOC (ALE215)
			5278167	DIRE TMP REM 8			250g Amber Jar (AL)
							400g Tub (ALE214)
							60g VOC (ALE215)
			5278169	DIRE TMP REM 9			250g Amber Jar (AL)
							400g Tub (ALE214)
							60g VOC (ALE215)
			5278170	DIRE TMP REM 10			250g Amber Jar (AL)
							400g Tub (ALE214)
							60g VOC (ALE215)
TPH CWG GC (S)	All	NDPs: 0 Tests: 12					
VOC MS (S)	All	NDPs: 0 Tests: 11					

CERTIFICATE OF ANALYSIS

SDG:	120306-6	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0225
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	174102
Client Reference:	DiME Soil Samples Only	**Attention:**	Alex Mann	**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
5278157	DIRE BASE TMP SOURCE 1		Grey	Gravel	> 10 mm	Oil/Petroleum	None
5278158	DIRE TMP REM 1		Dark Brown	N/A	> 10 mm	Stones	None
5278160	DIRE TMP REM 2		Dark Brown	N/A	> 10 mm	Oil/Petroleum	Stones
5278161	DIRE TMP REM 3		Dark Brown	N/A	> 10 mm	Stones	Oil/Petroleum
5278162	DIRE TMP REM 4		Dark Brown	N/A	> 10 mm	Stones	Oil/Petroleum
5278163	DIRE TMP REM 5		Dark Brown	Loamy Sand	0.1 - 2 mm	Oil/Petroleum	Stones
5278165	DIRE TMP REM 6		Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Oil/Petroleum
5278166	DIRE TMP REM 7		Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Oil/Petroleum
5278167	DIRE TMP REM 8		Dark Brown	Silt Loam	0.1 - 2 mm	Oil/Petroleum	Stones
5278169	DIRE TMP REM 9		Dark Brown	N/A	0.1 - 2 mm	Oil/Petroleum	Stones
5278170	DIRE TMP REM 10		Dark Brown	Sandy Loam	0.1 - 2 mm	Oil/Petroleum	Stones
5278171	DIRE TMP SOURCE REM 1		Dark Brown	N/A	0.1 - 2 mm	Oil/Petroleum	Stones

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

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

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

CERTIFICATE OF ANALYSIS

SDG:	120306-6	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0225
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	174102
Client Reference:	DiME Soil Samples Only	**Attention:**	Alex Mann	**Superseded Report:**	

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DIRE BASE TMP SOURCE 1	DIRE TMP REM 1	DIRE TMP REM 2	DIRE TMP REM 3	DIRE TMP REM 4	DIRE TMP REM 5
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/03/2012	05/03/2012	05/03/2012	05/03/2012	05/03/2012	05/03/2012
			Date Received	06/03/2012	06/03/2012	06/03/2012	06/03/2012	06/03/2012	06/03/2012
			SDG Ref	120306-6	120306-6	120306-6	120306-6	120306-6	120306-6
			Lab Sample No.(s)	5278157	5278158	5278160	5278161	5278162	5278163
			AGS Reference						
pH	1 pH Units	TM133		10.8 #	9.56 #	10.5 #	10.7 #	10.2 #	9.96 M
Arsenic	<0.6 mg/kg	TM181		3.18 #	17.6 #	8.69 #	7.19 #	6.25 #	8.12 M
Cadmium	<0.02 mg/kg	TM181		<0.02 #	0.469 #	0.37 #	0.181 #	0.0889 #	0.275 M
Chromium	<0.9 mg/kg	TM181		7.31 #	11.7 #	12.1 #	8.59 #	9.27 #	11.3 M
Copper	<1.4 mg/kg	TM181		7.4 #	55.9 #	34.8 #	17.8 #	13.7 #	25.5 M
Lead	<0.7 mg/kg	TM181		19.7 #	170 #	41.7 #	29.2 #	54.6 #	50.4 M
Mercury	<0.14 mg/kg	TM181		<0.14 #	<0.14 #	<0.14 #	<0.14 #	<0.14 #	0.211 M
Nickel	<0.2 mg/kg	TM181		2.63 #	12.4 #	7.31 #	7.01 #	6.26 #	9.71 M
Selenium	<1 mg/kg	TM181		1.94 #	1.18 #	1.19 #	1.63 #	1.87 #	1.62 #
Vanadium	<0.2 mg/kg	TM181		9.65 #	15.1 #	18.9 #	10.7 #	15.6 #	20.8 #
Zinc	<1.9 mg/kg	TM181		57.9 #	462 #	176 #	98.3 #	88.7 #	115 M

CERTIFICATE OF ANALYSIS

SDG:	120306-6	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0225
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	174102
Client Reference:	DiME Soil Samples Only	**Attention:**	Alex Mann	**Superseded Report:**	

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DIRE TMP REM 6	DIRE TMP REM 7	DIRE TMP REM 8	DIRE TMP REM 9	DIRE TMP REM 10	DIRE TMP SOURCE REM 1
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	05/03/2012	05/03/2012	05/03/2012	05/03/2012	05/03/2012	05/03/2012
			Date Received	06/03/2012	06/03/2012	06/03/2012	06/03/2012	06/03/2012	06/03/2012
			SDG Ref	120306-6	120306-6	120306-6	120306-6	120306-6	120306-6
			Lab Sample No.(s)	5278165	5278166	5278167	5278169	5278170	5278171
			AGS Reference						
pH	1 pH Units	TM133		11.8 M	10.6 M	10.4 M	10.6 #	12.6 M	10.6 #
Arsenic	<0.6 mg/kg	TM181		4.21 M	5.28 M	6.45 M	5.01 #	12.1 M	6.71 #
Cadmium	<0.02 mg/kg	TM181		<0.02 M	0.0448 M	<0.02 M	<0.02 #	0.136 M	0.703 #
Chromium	<0.9 mg/kg	TM181		11.8 M	6.33 M	8.52 M	6.17 #	11.4 M	9.44 #
Copper	<1.4 mg/kg	TM181		9.02 M	12.6 M	13.2 M	8.56 #	36.4 M	15.9 #
Lead	<0.7 mg/kg	TM181		20.4 M	152 M	28.9 M	21.4 #	85.6 M	55 #
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 #	0.364 M	<0.14 #
Nickel	<0.2 mg/kg	TM181		5.58 M	4.81 M	6.16 M	3.56 #	6.57 M	6.17 #
Selenium	<1 mg/kg	TM181		2.33 #	2.14 #	1.95 #	1.64 #	2.02 #	2.28 #
Vanadium	<0.2 mg/kg	TM181		13.1 #	9.51 #	10.5 #	8.45 #	17.7 #	11.1 #
Zinc	<1.9 mg/kg	TM181		69.7 M	59.7 M	83.2 M	62.9 #	331 M	140 #

CERTIFICATE OF ANALYSIS

SDG:	120306-6	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0225
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	174102
Client Reference:	DiME Soil Samples Only	**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DIRE BASE TMP SOURCE 1	DIRE TMP REM 1	DIRE TMP REM 2	DIRE TMP REM 3	DIRE TMP REM 4	DIRE TMP REM 5
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/03/2012	05/03/2012	05/03/2012	05/03/2012	05/03/2012	05/03/2012
			Date Received	06/03/2012	06/03/2012	06/03/2012	06/03/2012	06/03/2012	06/03/2012
			SDG Ref	120306-6	120306-6	120306-6	120306-6	120306-6	120306-6
			Lab Sample No.(s)	5278157	5278158	5278160	5278161	5278162	5278163
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		320	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		423	694	<100	<100	383	472
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	120306-6	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0225
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	174102
Client Reference:	DiME Soil Samples Only	**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DIRE BASE TMP SOURCE 1	DIRE TMP REM 1	DIRE TMP REM 2	DIRE TMP REM 3	DIRE TMP REM 4	DIRE TMP REM 5
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/03/2012	05/03/2012	05/03/2012	05/03/2012	05/03/2012	05/03/2012
			Date Received	06/03/2012	06/03/2012	06/03/2012	06/03/2012	06/03/2012	06/03/2012
			SDG Ref	120306-6	120306-6	120306-6	120306-6	120306-6	120306-6
			Lab Sample No.(s)	5278157	5278158	5278160	5278161	5278162	5278163
			AGS Reference						
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		3740	386	260	682	385	274
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		126	139	<100	239	<100	<100
Anthracene	<100 µg/kg	TM157		<100	121	<100	<100	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		441	601	135	258	142	251
Benzo(b)fluoranthene	<100 µg/kg	TM157		196	495	<100	187	117	266
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	263	<100	135	<100	141
Benzo(a)pyrene	<100 µg/kg	TM157		<100	391	<100	<100	<100	212
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	198	<100	<100	<100	125
Chrysene	<100 µg/kg	TM157		1980	1410	364	817	433	388
Fluoranthene	<100 µg/kg	TM157		221	648	130	285	172	405
Fluorene	<100 µg/kg	TM157		186	181	<100	282	129	121
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	177	<100	<100	<100	<100
Phenanthrene	<100 µg/kg	TM157		726	665	290	727	371	443
Pyrene	<100 µg/kg	TM157		1070	1040	251	578	295	401
Naphthalene	<100 µg/kg	TM157		629	155	<100	214	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	120306-6	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0225
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	174102
Client Reference:	DiME Soil Samples Only	**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DIRE TMP REM 6	DIRE TMP REM 7	DIRE TMP REM 8	DIRE TMP REM 9	DIRE TMP REM 10	DIRE TMP SOURCE REM 1
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	05/03/2012	05/03/2012	05/03/2012	05/03/2012	05/03/2012	05/03/2012
			Date Received	06/03/2012	06/03/2012	06/03/2012	06/03/2012	06/03/2012	06/03/2012
			SDG Ref	120306-6	120306-6	120306-6	120306-6	120306-6	120306-6
			Lab Sample No.(s)	5278165	5278166	5278167	5278169	5278170	5278171
			AGS Reference						
Phenol	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Carbazole	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 ug/kg	TM157		<100	<100	<100	298	<100	<100
bis(2-Ethylhexyl) phthalate	<100 ug/kg	TM157		<100	456	441	<100	875	616
bis(2-Chloroethoxy)methane	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chlorophenol	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	120306-6	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0225
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	174102
Client Reference:	DiME Soil Samples Only	**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DIRE TMP REM 6	DIRE TMP REM 7	DIRE TMP REM 8	DIRE TMP REM 9	DIRE TMP REM 10	DIRE TMP SOURCE REM 1
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	05/03/2012	05/03/2012	05/03/2012	05/03/2012	05/03/2012	05/03/2012
			Date Received	06/03/2012	06/03/2012	06/03/2012	06/03/2012	06/03/2012	06/03/2012
			SDG Ref	120306-6	120306-6	120306-6	120306-6	120306-6	120306-6
			Lab Sample No.(s)	5278165	5278166	5278167	5278169	5278170	5278171
			AGS Reference						
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		611	363	306	746	438	1310
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	120	<100	115
Anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		173	221	232	294	304	312
Benzo(b)fluoranthene	<100 µg/kg	TM157		167	210	268	175	340	343
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	<100	128	<100	155	126
Benzo(a)pyrene	<100 µg/kg	TM157		134	199	207	<100	204	250
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	210	217	213	329	277
Chrysene	<100 µg/kg	TM157		592	809	719	1450	1110	1340
Fluoranthene	<100 µg/kg	TM157		223	262	288	275	359	297
Fluorene	<100 µg/kg	TM157		<100	<100	118	136	<100	160
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	158	164	<100	233	209
Phenanthrene	<100 µg/kg	TM157		385	448	473	614	485	664
Pyrene	<100 µg/kg	TM157		364	483	496	779	576	649
Naphthalene	<100 µg/kg	TM157		156	<100	<100	197	<100	163
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	120306-6	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0225
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	174102
Client Reference:	DiME Soil Samples Only	**Attention:**	Alex Mann	**Superseded Report:**	

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DIRE BASE TMP SOURCE 1	DIRE TMP REM 1	DIRE TMP REM 2	DIRE TMP REM 3	DIRE TMP REM 4	DIRE TMP REM 5
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/03/2012	05/03/2012	05/03/2012	05/03/2012	05/03/2012	05/03/2012
			Date Received	06/03/2012	06/03/2012	06/03/2012	06/03/2012	06/03/2012	06/03/2012
			SDG Ref	120306-6	120306-6	120306-6	120306-6	120306-6	120306-6
			Lab Sample No.(s)	5278157	5278158	5278160	5278161	5278162	5278163
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		23	25	29	21	37	44
GRO >C5-C12	<44 µg/kg	TM089		20000	4780	4910	8300	5780	7580
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
Benzene	<10 µg/kg	TM089		<10 #	<10 #	<10 #	<10 #	<10 #	<10 M
Toluene	<2 µg/kg	TM089		<2 #	<2 #	<2 #	<2 #	<2 #	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 #	<3 #	<3 #	<3 #	<3 #	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 #	<6 #	<6 #	<6 #	<6 #	<6 M
o-Xylene	<3 µg/kg	TM089		<3 #	<3 #	<3 #	<3 #	<3 #	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		28.5	74.8	180	386	164	353
Aliphatics >C6-C8	<10 µg/kg	TM089		1260	849	1380	3010	1500	2210
Aliphatics >C8-C10	<10 µg/kg	TM089		6760	1200	1060	1670	1200	1410
Aliphatics >C10-C12	<10 µg/kg	TM089		4500	1110	950	1270	1270	1600
Aliphatics >C12-C16	<100 µg/kg	TM173		487000	81300	82200	142000	37700	43900
Aliphatics >C16-C21	<100 µg/kg	TM173		2330000	369000	406000	534000	160000	201000
Aliphatics >C21-C35	<100 µg/kg	TM173		24500000	3640000	4650000	5380000	1700000	2320000
Aliphatics >C35-C44	<100 µg/kg	TM173		2690000	753000	1090000	1560000	378000	321000
Total Aliphatics >C12-C44	<100 µg/kg	TM173		30000000	4840000	6230000	7620000	2280000	2890000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		4510	799	705	1110	801	939
Aromatics >EC10-EC12	<10 µg/kg	TM089		3000	741	633	848	844	1070
Aromatics >EC12-EC16	<100 µg/kg	TM173		70100	43600	56000	373000	55000	23700
Aromatics >EC16-EC21	<100 µg/kg	TM173		461000	257000	296000	328000	265000	113000
Aromatics >EC21-EC35	<100 µg/kg	TM173		4450000	2360000	3140000	3540000	2730000	1180000
Aromatics >EC35-EC44	<100 µg/kg	TM173		849000	729000	1210000	1650000	998000	286000
Aromatics >EC40-EC44	<100 µg/kg	TM173		319000	288000	500000	696000	407000	124000
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		5830000	3390000	4700000	5900000	4050000	1600000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		35900000	8230000	10900000	13500000	6330000	4500000
Total Aliphatics >C5-35	<100 µg/kg	TM173		27300000	4090000	5140000	6070000	1910000	2570000
Total Aromatics >C5-35	<100 µg/kg	TM173		4990000	2660000	3490000	4250000	3050000	1320000
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		32300000	6750000	8630000	10300000	4960000	3890000

CERTIFICATE OF ANALYSIS

SDG:	120306-6	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0225
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	174102
Client Reference:	DiME Soil Samples Only	**Attention:**	Alex Mann	**Superseded Report:**	

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DIRE TMP REM 6	DIRE TMP REM 7	DIRE TMP REM 8	DIRE TMP REM 9	DIRE TMP REM 10	DIRE TMP SOURCE REM 1
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	05/03/2012	05/03/2012	05/03/2012	05/03/2012	05/03/2012	05/03/2012
			Date Received	06/03/2012	06/03/2012	06/03/2012	06/03/2012	06/03/2012	06/03/2012
			SDG Ref	120306-6	120306-6	120306-6	120306-6	120306-6	120306-6
			Lab Sample No.(s)	5278165	5278166	5278167	5278169	5278170	5278171
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		18	31	26	26	37	28
GRO >C5-C12	<44 µg/kg	TM089		3260	5750	4430	5970	6220	10000
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
Benzene	<10 µg/kg	TM089		<10 M	23.2 M	<10 M	22.2 #	33.3 M	<10 #
Toluene	<2 µg/kg	TM089		<2 M	<2 M	<2 M	<2 #	<2 M	<2 #
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 #	<3 M	<3 #
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 #	<6 M	<6 #
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 #	<3 M	<3 #
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	33.3	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		148	245	164	164	157	175
Aliphatics >C6-C8	<10 µg/kg	TM089		957	1600	1320	1470	1210	1670
Aliphatics >C8-C10	<10 µg/kg	TM089		608	1230	959	1340	1350	2730
Aliphatics >C10-C12	<10 µg/kg	TM089		685	1100	812	1250	1540	2160
Aliphatics >C12-C16	<100 µg/kg	TM173		43800	66900	56100	98900	93400	110000
Aliphatics >C16-C21	<100 µg/kg	TM173		213000	298000	280000	418000	456000	379000
Aliphatics >C21-C35	<100 µg/kg	TM173		2510000	4670000	3470000	6040000	7050000	3970000
Aliphatics >C35-C44	<100 µg/kg	TM173		451000	787000	664000	1580000	1940000	652000
Total Aliphatics >C12-C44	<100 µg/kg	TM173		3220000	5820000	4470000	8140000	9550000	5110000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	23.2	<10	22.2	33.3	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		406	819	640	893	901	1820
Aromatics >EC10-EC12	<10 µg/kg	TM089		457	734	541	835	1020	1440
Aromatics >EC12-EC16	<100 µg/kg	TM173		27700	45000	38600	77900	66600	76900
Aromatics >EC16-EC21	<100 µg/kg	TM173		133000	222000	179000	355000	328000	299000
Aromatics >EC21-EC35	<100 µg/kg	TM173		1410000	2830000	2110000	4890000	4580000	3400000
Aromatics >EC35-EC44	<100 µg/kg	TM173		372000	739000	609000	1760000	1890000	835000
Aromatics >EC40-EC44	<100 µg/kg	TM173		155000	307000	222000	618000	692000	321000
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		1940000	3840000	2930000	7090000	6860000	4620000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		5170000	9670000	7400000	15200000	16400000	9740000
Total Aliphatics >C5-35	<100 µg/kg	TM173		2770000	5040000	3810000	6560000	7610000	4470000
Total Aromatics >C5-35	<100 µg/kg	TM173		1570000	3100000	2320000	5330000	4980000	3780000
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		4340000	8140000	6130000	11900000	12600000	8250000

CERTIFICATE OF ANALYSIS

SDG:	120306-6	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0225
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	174102
Client Reference:	DiME Soil Samples Only	**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DIRE BASE TMP SOURCE 1	DIRE TMP REM 1	DIRE TMP REM 2	DIRE TMP REM 3	DIRE TMP REM 4	DIRE TMP REM 5
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/03/2012	05/03/2012	05/03/2012	05/03/2012	05/03/2012	05/03/2012
			Date Received	06/03/2012	06/03/2012	06/03/2012	06/03/2012	06/03/2012	06/03/2012
			SDG Ref	120306-6	120306-6	120306-6	120306-6	120306-6	120306-6
			Lab Sample No.(s)	5278157	5278158	5278160	5278161	5278162	5278163
			AGS Reference						
Dibromofluoromethane**	%	TM116		109	109	109	109	104	103
Toluene-d8**	%	TM116		98.7	97	96.1	95.6	99	98.7
4-Bromofluorobenzene**	%	TM116		117	122	121	135	120	115
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 #	<80 #	<80 #	<80 #	<80 #	<80 M
Chloromethane	<7 µg/kg	TM116		<140	<140	<140	<140	<140	<140
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<200	<200	<200	<200
Bromomethane	<13 µg/kg	TM116		<260 #	<260 #	<260 #	<260 #	<260 #	<260 M
Chloroethane	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<280 #	<280 #	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 #	<120 #	<120 #	<120 #	<120 #	<120 M
1.1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		<140 #	<140 #	291 #	166 #	266 #	<140 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	285 #	1590 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 #	<220 #	<220 #	<220 #	<220 #	<220 M
trans-1-2-Dichloroethene	<11 µg/kg	TM116		<220 #	<220 #	<220 #	<220 #	<220 #	<220 M
1.1-Dichloroethane	<8 µg/kg	TM116		<160 #	<160 #	<160 #	<160 #	<160 #	<160 M
cis-1-2-Dichloroethene	<5 µg/kg	TM116		<100 #	<100 #	<100 #	<100 #	<100 #	<100 M
2.2-Dichloropropane	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<240 #	<240 #	<240 M
Bromochloromethane	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<280 #	<280 #	<280 M
Chloroform	<8 µg/kg	TM116		<160 #	<160 #	<160 #	<160 #	<160 #	<160 M
1.1.1-Trichloroethane	<7 µg/kg	TM116		<140 #	<140 #	<140 #	<140 #	<140 #	<140 M
1.1-Dichloropropene	<11 µg/kg	TM116		<220 #	<220 #	<220 #	<220 #	<220 #	<220 M
Carbontetrachloride	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<280 #	<280 #	<280 M
1.2-Dichloroethane	<5 µg/kg	TM116		<100 #	204 #	1340 #	767 #	1270 #	7720 M
Benzene	<9 µg/kg	TM116		<180 #	<180 #	<180 #	<180 #	<180 #	<180 M
Trichloroethene	<9 µg/kg	TM116		<180 #	<180 #	<180 #	<180 #	<180 #	<180 M
1.2-Dichloropropane	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<240 #	<240 #	<240 M
Dibromomethane	<9 µg/kg	TM116		<180 #	<180 #	<180 #	<180 #	<180 #	<180 M
Bromodichloromethane	<7 µg/kg	TM116		<140 #	<140 #	<140 #	<140 #	<140 #	<140 M
cis-1-3-Dichloropropene	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<280 #	<280 #	<280 M
Toluene	<5 µg/kg	TM116		<100 #	<100 #	<100 #	<100 #	<100 #	<100 M
trans-1-3-Dichloropropene	<14 µg/kg	TM116		<280	<280	<280	<280	<280	<280
1.1.2-Trichloroethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 M
1.3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<140 #	<140 #	<140 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<100 #	<100 #	<100 #	<100 #	<100 #	<100 M
Dibromochloromethane	<13 µg/kg	TM116		<260 #	<260 #	<260 #	<260 #	<260 #	<260 M

CERTIFICATE OF ANALYSIS

SDG:	120306-6	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0225
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	174102
Client Reference:	DiME Soil Samples Only	**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DIRE BASE TMP SOURCE 1	DIRE TMP REM 1	DIRE TMP REM 2	DIRE TMP REM 3	DIRE TMP REM 4	DIRE TMP REM 5
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/03/2012	05/03/2012	05/03/2012	05/03/2012	05/03/2012	05/03/2012
			Date Received	06/03/2012	06/03/2012	06/03/2012	06/03/2012	06/03/2012	06/03/2012
			SDG Ref	120306-6	120306-6	120306-6	120306-6	120306-6	120306-6
			Lab Sample No.(s)	5278157	5278158	5278160	5278161	5278162	5278163
			AGS Reference						
1.2-Dibromoethane	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<240 #	<240 #	<240 M
Chlorobenzene	<5 µg/kg	TM116		<100 #	<100 #	<100 #	<100 #	<100 #	<100 M
1.1.1.2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 M
Ethylbenzene	<4 µg/kg	TM116		<80 #	<80 #	<80 #	<80 #	<80 #	<80 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<280 #	<280 #	<280 #
o-Xylene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 M
Styrene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 M
Bromoform	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 M
Isopropylbenzene	<5 µg/kg	TM116		<100 #	<100 #	<100 #	<100 #	<100 #	<100 M
1.1.2.2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
1.2.3-Trichloropropane	<17 µg/kg	TM116		<340 #	<340 #	<340 #	<340 #	<340 #	<340 M
Bromobenzene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 M
Propylbenzene	<11 µg/kg	TM116		<220 #	<220 #	<220 #	<220 #	<220 #	<220 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 #	<180 #	<180 #	<180 #	<180 #	<180 M
1.3.5-Trimethylbenzene	<8 µg/kg	TM116		1520 #	<160 #	<160 #	419 #	<160 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<240 #	<240 #	<240 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<240 #	<240 #	<240 #
1.2.4-Trimethylbenzene	<9 µg/kg	TM116		1180 #	<180 #	<180 #	236 #	<180 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 M
4-Isopropyltoluene	<11 µg/kg	TM116		945 #	<220 #	<220 #	<220 #	<220 #	<220 M
1.3-Dichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<120 #	<120 #	<120 #	<120 M
1.4-Dichlorobenzene	<5 µg/kg	TM116		<100 #	<100 #	<100 #	<100 #	<100 #	<100 M
n-Butylbenzene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 M
1.2-Dichlorobenzene	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<240 #	<240 #	<240 M
1.2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<280 #	<280 #	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<300	<300	<300	<300
1.2.4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<120 #	<120 #	<120 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<240	<240	<240	<240
Naphthalene	<13 µg/kg	TM116		<260 #	<260 #	<260 #	<260 #	<260 #	<260 M
1.2.3-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<120 #	<120 #	<120 #	<120 M

CERTIFICATE OF ANALYSIS

SDG:	120306-6	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0225
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	174102
Client Reference:	DiME Soil Samples Only	**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DIRE TMP REM 7	DIRE TMP REM 8	DIRE TMP REM 9	DIRE TMP REM 10	DIRE TMP SOURCE REM 1
			Depth (m)	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	05/03/2012	05/03/2012	05/03/2012	05/03/2012	05/03/2012
			Date Received	06/03/2012	06/03/2012	06/03/2012	06/03/2012	06/03/2012
			SDG Ref	120306-6	120306-6	120306-6	120306-6	120306-6
			Lab Sample No.(s)	5278166	5278167	5278169	5278170	5278171
			AGS Reference					
Dibromofluoromethane**	%	TM116		108	109	108	109	109
Toluene-d8**	%	TM116		97.6	96.9	94.7	93.2	97.6
4-Bromofluorobenzene**	%	TM116		133	113	127	128	124
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<80 M	<80 #	<80 M	<80 #
Chloromethane	<7 µg/kg	TM116		<140	<140	<140	<140	<140
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<200	<200	<200
Bromomethane	<13 µg/kg	TM116		<260 M	<260 M	<260 #	<260 M	<260 #
Chloroethane	<14 µg/kg	TM116		<280 M	<280 M	<280 #	<280 M	<280 #
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<120 M	<120 #	<120 M	<120 #
1.1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		271 M	301 M	273 #	358 M	235 #
Dichloromethane	<10 µg/kg	TM116		<200 #	839 #	<200 #	<200 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<220 M	<220 #	<220 M	<220 #
trans-1-2-Dichloroethene	<11 µg/kg	TM116		<220 M	<220 M	<220 #	<220 M	<220 #
1.1-Dichloroethane	<8 µg/kg	TM116		<160 M	<160 M	<160 #	<160 M	<160 #
cis-1-2-Dichloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 #	<100 M	<100 #
2.2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 #	<240 M	<240 #
Bromochloromethane	<14 µg/kg	TM116		<280 M	<280 M	<280 #	<280 M	<280 #
Chloroform	<8 µg/kg	TM116		<160 M	<160 M	<160 #	<160 M	<160 #
1.1.1-Trichloroethane	<7 µg/kg	TM116		<140 M	<140 M	<140 #	<140 M	<140 #
1.1-Dichloropropene	<11 µg/kg	TM116		<220 M	<220 M	<220 #	<220 M	<220 #
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<280 M	<280 #	<280 M	<280 #
1.2-Dichloroethane	<5 µg/kg	TM116		1730 M	5400 M	1350 #	921 M	402 #
Benzene	<9 µg/kg	TM116		<180 M	<180 M	<180 #	<180 M	<180 #
Trichloroethene	<9 µg/kg	TM116		<180 M	<180 M	<180 #	<180 M	<180 #
1.2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 #	<240 M	<240 #
Dibromomethane	<9 µg/kg	TM116		<180 M	<180 M	<180 #	<180 M	<180 #
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<140 M	<140 #	<140 M	<140 #
cis-1-3-Dichloropropene	<14 µg/kg	TM116		<280 M	<280 M	<280 #	<280 M	<280 #
Toluene	<5 µg/kg	TM116		<100 M	<100 M	<100 #	<100 M	<100 #
trans-1-3-Dichloropropene	<14 µg/kg	TM116		<280	<280	<280	<280	<280
1.1.2-Trichloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 #	<200 M	<200 #
1.3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<140 #	<140 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 #	<100 M	<100 #
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<260 M	<260 #	<260 M	<260 #

CERTIFICATE OF ANALYSIS

SDG:	120306-6	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0225
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	174102
Client Reference:	DiME Soil Samples Only	**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DIRE TMP REM 7	DIRE TMP REM 8	DIRE TMP REM 9	DIRE TMP REM 10	DIRE TMP SOURCE REM 1
			Depth (m)	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	05/03/2012	05/03/2012	05/03/2012	05/03/2012	05/03/2012
			Date Received	06/03/2012	06/03/2012	06/03/2012	06/03/2012	06/03/2012
			SDG Ref	120306-6	120306-6	120306-6	120306-6	120306-6
			Lab Sample No.(s)	5278166	5278167	5278169	5278170	5278171
			AGS Reference					
1.2-Dibromoethane	<12 µg/kg	TM116		<240 M	<240 M	<240 #	<240 M	<240 #
Chlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 #	<100 M	<100 #
1.1.1.2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 #	<200 M	<200 #
Ethylbenzene	<4 µg/kg	TM116		<80 M	<80 M	<80 #	<80 M	<80 #
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<280 #	<280 #
o-Xylene	<10 µg/kg	TM116		<200 M	<200 M	<200 #	<200 M	<200 #
Styrene	<10 µg/kg	TM116		<200 M	<200 M	<200 #	<200 M	<200 #
Bromoform	<10 µg/kg	TM116		<200 M	<200 M	<200 #	<200 M	<200 #
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 #	<100 M	<100 #
1.1.2.2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #
1.2.3-Trichloropropane	<17 µg/kg	TM116		<340 M	<340 M	<340 #	<340 M	<340 #
Bromobenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 #	<200 M	<200 #
Propylbenzene	<11 µg/kg	TM116		<220 M	<220 M	<220 #	<220 M	<220 #
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<180 M	<180 #	<180 M	<180 #
1.3.5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<160 #	<160 #	446 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<240 M	<240 #	<240 M	<240 #
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<240 #	<240 #
1.2.4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<180 #	<180 #	<180 #	436 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 #	<200 M	<200 #
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<220 M	<220 #	<220 M	<220 #
1.3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 #	<120 M	<120 #
1.4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 #	<100 M	<100 #
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 #	<200 M	<200 #
1.2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<240 M	<240 #	<240 M	<240 #
1.2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<280 M	<280 #	<280 M	<280 #
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<300	<300	<300
1.2.4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<120 #	<120 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<240	<240	<240
Naphthalene	<13 µg/kg	TM116		<260 M	<260 M	<260 #	<260 M	<260 #
1.2.3-Trichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 #	<120 M	<120 #

CERTIFICATE OF ANALYSIS

SDG:	120306-6	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0225
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	174102
Client Reference:	DiME Soil Samples Only	**Attention:**	Alex Mann	**Superseded Report:**	

Table of Results - Appendix

Method No	Reference	Description	Wet/Dry Sample [1]	Surrogate Corrected
PM001		Preparation of Samples for Metals Analysis		
PM024	Modified BS 1377	Soil preparation including homogenisation, moisture screens of soils for Asbestos Containing Material		
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)		
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS		
TM133	BS 1377: Part 3 1990;BS 6068-2.5	Determination of pH in Soil and Water using the GLpH pH Meter		
TM157	HP 6890 Gas Chromatograph (GC) system and HP 5973 Mass Selective Detector (MSD).	Determination of SVOC in Soils by GC-MS extracted by sonication in DCM/Acetone		
TM173	Analysis of Petroleum Hydrocarbons in Environmental Media – Total Petroleum Hydrocarbon Criteria	Determination of Speciated Extractable Petroleum Hydrocarbons in Soils by GC-FID		
TM181	US EPA Method 6010B	Determination of Routine Metals in Soil by iCap 6500 Duo ICP-OES		

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

CERTIFICATE OF ANALYSIS

SDG:	120306-6	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0225
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	174102
Client Reference:	DiME Soil Samples Only	**Attention:**	Alex Mann	**Superseded Report:**	

Test Completion Dates

Lab Sample No(s)	5278157	5278158	5278160	5278161	5278162	5278163	5278165	5278166	5278167	5278169
Customer Sample Ref.	DIRE BASE TMP SOURCE 1	DIRE TMP REM 1	DIRE TMP REM 2	DIRE TMP REM 3	DIRE TMP REM 4	DIRE TMP REM 5	DIRE TMP REM 6	DIRE TMP REM 7	DIRE TMP REM 8	DIRE TMP REM 9
AGS Ref.										
Depth										
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
EPH CWG (Aliphatic) GC (S)	12-Mar-2012	12-Mar-2012	12-Mar-2012	12-Mar-2012	12-Mar-2012	12-Mar-2012	12-Mar-2012	12-Mar-2012	13-Mar-2012	13-Mar-2012
EPH CWG (Aromatic) GC (S)	12-Mar-2012	12-Mar-2012	12-Mar-2012	12-Mar-2012	12-Mar-2012	12-Mar-2012	12-Mar-2012	12-Mar-2012	13-Mar-2012	13-Mar-2012
GRO by GC-FID (S)	12-Mar-2012	12-Mar-2012	12-Mar-2012	12-Mar-2012	12-Mar-2012	12-Mar-2012	12-Mar-2012	12-Mar-2012	12-Mar-2012	12-Mar-2012
Metals by iCap-OES (Soil)	09-Mar-2012	09-Mar-2012	09-Mar-2012	09-Mar-2012	09-Mar-2012	09-Mar-2012	09-Mar-2012	09-Mar-2012	09-Mar-2012	09-Mar-2012
pH	09-Mar-2012	09-Mar-2012	09-Mar-2012	09-Mar-2012	09-Mar-2012	09-Mar-2012	09-Mar-2012	09-Mar-2012	09-Mar-2012	09-Mar-2012
Sample description	06-Mar-2012	06-Mar-2012	06-Mar-2012	06-Mar-2012	06-Mar-2012	06-Mar-2012	06-Mar-2012	06-Mar-2012	07-Mar-2012	07-Mar-2012
Semi Volatile Organic Compounds	09-Mar-2012	09-Mar-2012	09-Mar-2012	09-Mar-2012	09-Mar-2012	09-Mar-2012	09-Mar-2012	12-Mar-2012	12-Mar-2012	12-Mar-2012
TPH CWG GC (S)	12-Mar-2012	12-Mar-2012	12-Mar-2012	12-Mar-2012	12-Mar-2012	12-Mar-2012	12-Mar-2012	12-Mar-2012	13-Mar-2012	13-Mar-2012
VOC MS (S)	12-Mar-2012	10-Mar-2012	10-Mar-2012	10-Mar-2012	12-Mar-2012	12-Mar-2012		10-Mar-2012	10-Mar-2012	10-Mar-2012

Lab Sample No(s)	5278170	5278171
Customer Sample Ref.	DIRE TMP REM 10	DIRE TMP SOURCE REM 1
AGS Ref.		
Depth		
Type	SOLID	SOLID
EPH CWG (Aliphatic) GC (S)	13-Mar-2012	13-Mar-2012
EPH CWG (Aromatic) GC (S)	13-Mar-2012	13-Mar-2012
GRO by GC-FID (S)	12-Mar-2012	12-Mar-2012
Metals by iCap-OES (Soil)	09-Mar-2012	09-Mar-2012
pH	08-Mar-2012	08-Mar-2012
Sample description	07-Mar-2012	07-Mar-2012
Semi Volatile Organic Compounds	12-Mar-2012	12-Mar-2012
TPH CWG GC (S)	13-Mar-2012	13-Mar-2012
VOC MS (S)	10-Mar-2012	10-Mar-2012

SDG:	120306-6	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0225
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	174102
Client Reference:	DiME Soil Samples Only	**Attention:**	Alex Mann	**Superseded Report:**	

Appendix

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 2 months after the analysis date. All bulk samples will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALcontrol Laboratories reserve the right to charge for samples received and stored but not analysed.

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

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

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

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

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

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

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

11. Results relate only to the items tested.

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

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

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

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

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

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

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

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

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

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

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

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

SOLID MATRICES EXTRACTION SUMMARY

ANALYSIS	D&C OR WET	EXTRACTION SOLVENT	EXTRACTION METHOD	ANALYSIS
SOLVENT EXTRACTABLE MATTER	D&C	DCM	SOXTHERM	GRAVIMETRIC
CYCLOHEXANE EXT. MATTER	D&C	CYCLOHEXANE	SOXTHERM	GRAVIMETRIC
ELEMENTAL SULPHUR	D&C	DCM	SOXTHERM	HPLC
PHENOLS BY GCMS	WET	DCM	SOXTHERM	GC-MS
HERBICIDES	D&C	HEXANE:ACETONE	SOXTHERM	GC-MS
PESTICIDES	D&C	HEXANE:ACETONE	SOXTHERM	GC-MS
EPH (DRO)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH (MIN OIL)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH (CLEANED UP)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH CWG BY GC	D&C	HEXANE:ACETONE	END OVER END	GC-FID
PCB AROCLOR 1254 / PCB CON	D&C	HEXANE:ACETONE	END OVER END	GC-MS
POLYAROMATIC HYDROCARBONS (MS)	WET	HEXANE:ACETONE	MICROWAVE TM218.	GC-MS
>C6-C40	WET	HEXANE:ACETONE	SHAKER	GC-FID
POLYAROMATIC HYDROCARBONS RAPID GC	WET	HEXANE:ACETONE	SHAKER	GC-FID
SEMI VOLATILE ORGANIC COMPOUNDS	WET	DCM:ACETONE	SONICATE	GC-MS

LIQUID MATRICES EXTRACTION SUMMARY

ANALYSIS	EXTRACTION SOLVENT	EXTRACTION METHOD	ANALYSIS
PAH MS	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC MS
EPH	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
EPH CWG	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
MINERAL OIL	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
PCB 7 CONGENERS	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC MS
PCB AROCLOR 1254	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC MS
SVOC	DCM	LIQUID/LIQUID SHAKE	GC MS
FREE SULPHUR	DCM	SOLID PHASE EXTRACTION	HPLC
PESTOC PCP P	DCM	LIQUID/LIQUID SHAKE	GC MS
TRIAZINE HERBS	DCM	LIQUID/LIQUID SHAKE	GC MS
PHENOLS MS	ACETONE	SOLID PHASE EXTRACTION	GC MS
TPH by INFRARED (IR)	TCE	STIRRED EXTRACTION (STIR-BAR)	IR
MINERAL OIL by IR	TCE	STIRRED EXTRACTION (STIR-BAR)	IR
GLYCOLS	NONE	DIRECT INJECTION	GC FID

Identification of Asbestos in Bulk Materials & Soils

The results for identification of asbestos in bulk materials are obtained from supplied bulk materials or those identified as potentially asbestos containing during sample description 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: Alex Mann

CERTIFICATE OF ANALYSIS

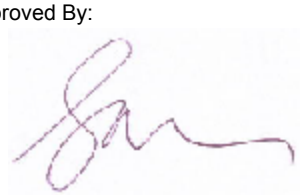
Date:	08 March 2012
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	120302-26
Your Reference:	DiME Soil Samples Only
Location:	Coed Darcy Urban Village
Report No:	173647

We received 10 samples on Friday March 02, 2012 and 10 of these samples were scheduled for analysis which was completed on Thursday March 08, 2012. 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:	120302-26	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0224
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	173647
Client Reference:	DiME Soil Samples Only	**Attention:**	Alex Mann	**Superseded Report:**	

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
5260861	DIME TMP BASE 1			01/03/2012
5260878	DIME TMP BASE 10			01/03/2012
5260862	DIME TMP BASE 2			01/03/2012
5260863	DIME TMP BASE 3			01/03/2012
5260867	DIME TMP BASE 4			01/03/2012
5260868	DIME TMP BASE 5			01/03/2012
5260869	DIME TMP BASE 6			01/03/2012
5260870	DIME TMP BASE 7			01/03/2012
5260872	DIME TMP BASE 8			01/03/2012
5260874	DIME TMP BASE 9			01/03/2012

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

CERTIFICATE OF ANALYSIS

SDG:	120302-26	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0224
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	173647
Client Reference:	DiME Soil Samples Only	**Attention:**	Alex Mann	**Superseded Report:**	

SOLID

Results Legend

X **Test**

N **No Determination Possible**

		Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 5				
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 10				
GRO by GC-FID (S)	All	NDPs: 0 Tests: 10				
Metals by iCap-OES (Soil)	Arsenic	NDPs: 0 Tests: 10				
	Cadmium	NDPs: 0 Tests: 10				
	Chromium	NDPs: 0 Tests: 10				
	Copper	NDPs: 0 Tests: 10				
	Lead	NDPs: 0 Tests: 10				
	Mercury	NDPs: 0 Tests: 10				
	Nickel	NDPs: 0 Tests: 10				
	Selenium	NDPs: 0 Tests: 10				
	Vanadium	NDPs: 0 Tests: 10				
	Zinc	NDPs: 0 Tests: 10				
pH	All	NDPs: 0 Tests: 10				
Sample description	All	NDPs: 0 Tests: 10				

Lab Sample No(s)	Customer Sample Reference	Container
5260861	DIME TMP BASE 1	250g Amber Jar (AL
		400g Tub (ALE214)
		60g VOC (ALE215)
5260862	DIME TMP BASE 2	250g Amber Jar (AL
		400g Tub (ALE214)
		60g VOC (ALE215)
5260863	DIME TMP BASE 3	250g Amber Jar (AL
		400g Tub (ALE214)
		60g VOC (ALE215)
5260867	DIME TMP BASE 4	250g Amber Jar (AL
		400g Tub (ALE214)
		60g VOC (ALE215)
5260868	DIME TMP BASE 5	250g Amber Jar (AL
		400g Tub (ALE214)
		60g VOC (ALE215)
5260869	DIME TMP BASE 6	250g Amber Jar (AL
		400g Tub (ALE214)
		60g VOC (ALE215)
5260870	DIME TMP BASE 7	250g Amber Jar (AL
		400g Tub (ALE214)
		60g VOC (ALE215)
5260872	DIME TMP BASE 8	250g Amber Jar (AL
		400g Tub (ALE214)
		60g VOC (ALE215)
5260874	DIME TMP BASE 9	250g Amber Jar (AL
		400g Tub (ALE214)
		60g VOC (ALE215)
5260878	DIME TMP BASE 10	250g Amber Jar (AL
		400g Tub (ALE214)
		60g VOC (ALE215)

EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 5																												
																	X			X			X			X			X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 10																												
			X			X			X			X			X			X			X			X			X			X	
GRO by GC-FID (S)	All	NDPs: 0 Tests: 10																												
					X			X			X			X			X			X			X			X			X	
Metals by iCap-OES (Soil)	Arsenic	NDPs: 0 Tests: 10																												
			X			X			X			X			X			X			X			X			X			X	
	Cadmium	NDPs: 0 Tests: 10																												
			X			X			X			X			X			X			X			X			X			X	
	Chromium	NDPs: 0 Tests: 10																												
			X			X			X			X			X			X			X			X			X			X	
	Copper	NDPs: 0 Tests: 10																												
			X			X			X			X			X			X			X			X			X			X	
	Lead	NDPs: 0 Tests: 10																												
			X			X			X			X			X			X			X			X			X			X	
	Mercury	NDPs: 0 Tests: 10																												
			X			X			X			X			X			X			X			X			X			X	
	Nickel	NDPs: 0 Tests: 10																												
			X			X			X			X			X			X			X			X			X			X	
	Selenium	NDPs: 0 Tests: 10																												
			X			X			X			X			X			X			X			X			X			X	
	Vanadium	NDPs: 0 Tests: 10																												
			X			X			X			X			X			X			X			X			X			X	
	Zinc	NDPs: 0 Tests: 10																												
			X			X			X			X			X			X			X			X			X			X	
pH	All	NDPs: 0 Tests: 10																												
				X			X			X			X			X			X			X			X			X		
Sample description	All	NDPs: 0 Tests: 10																												
			X			X			X			X			X			X			X			X			X			X	

CERTIFICATE OF ANALYSIS

SDG:	120302-26	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0224
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	173647
Client Reference:	DiME Soil Samples Only	**Attention:**	Alex Mann	**Superseded Report:**	

SOLID

Results Legend

X **Test**

N **No Determination Possible**

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
			5260861	DIME TMP BASE 1			250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			5260862	DIME TMP BASE 2			250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			5260863	DIME TMP BASE 3			250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			5260867	DIME TMP BASE 4			250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			5260868	DIME TMP BASE 5			250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			5260869	DIME TMP BASE 6			250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			5260870	DIME TMP BASE 7			250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			5260872	DIME TMP BASE 8			250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			5260874	DIME TMP BASE 9			250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			5260878	DIME TMP BASE 10			250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
TPH CWG GC (S)	All	NDPs: 0 Tests: 10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
VOC MS (S)	All	NDPs: 0 Tests: 10		X		X		X		X		X		X		X		X		X		X		X		X		X		X

CERTIFICATE OF ANALYSIS

SDG:	120302-26	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0224
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	173647
Client Reference:	DiME Soil Samples Only	**Attention:**	Alex Mann	**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
5260861	DIME TMP BASE 1		Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
5260862	DIME TMP BASE 2		Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
5260863	DIME TMP BASE 3		Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Oil/Petroleum
5260867	DIME TMP BASE 4		Light Brown	Sandy Loam	0.1 - 2 mm	Stones	None
5260868	DIME TMP BASE 5		Light Brown	Sandy Loam	0.1 - 2 mm	Stones	Oil/Petroleum
5260869	DIME TMP BASE 6		Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
5260870	DIME TMP BASE 7		Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
5260872	DIME TMP BASE 8		Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
5260874	DIME TMP BASE 9		Light Brown	Sandy Loam	0.1 - 2 mm	Stones	None
5260878	DIME TMP BASE 10		Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None

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

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

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

ALcontrol Laboratories

Validated

CERTIFICATE OF ANALYSIS

SDG:	120302-26	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0224
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	173647
Client Reference:	DiME Soil Samples Only	**Attention:**	Alex Mann	**Superseded Report:**	

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DIME TMP BASE 1	DIME TMP BASE 2	DIME TMP BASE 3	DIME TMP BASE 4	DIME TMP BASE 5	DIME TMP BASE 6
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	01/03/2012	01/03/2012	01/03/2012	01/03/2012	01/03/2012	01/03/2012
			Date Received	02/03/2012	02/03/2012	02/03/2012	02/03/2012	02/03/2012	02/03/2012
			SDG Ref	120302-26	120302-26	120302-26	120302-26	120302-26	120302-26
			Lab Sample No.(s)	5260861	5260862	5260863	5260867	5260868	5260869
			AGS Reference						
pH	1 pH Units	TM133		9.98 M	8.88 M	10.3 M	10.4 M	10.2 M	9.8 M
Arsenic	<0.6 mg/kg	TM181		24.4 M	16.9 M	8.64 M	10.2 M	7.96 M	8.98 M
Cadmium	<0.02 mg/kg	TM181		0.445 M	0.619 M	0.228 M	0.301 M	0.241 M	<0.02 M
Chromium	<0.9 mg/kg	TM181		11.4 M	11.9 M	11 M	10.7 M	8.62 M	8.33 M
Copper	<1.4 mg/kg	TM181		125 M	61.9 M	25.8 M	49 M	13 M	32.9 M
Lead	<0.7 mg/kg	TM181		158 M	98 M	44.3 M	45.4 M	26.3 M	33.4 M
Mercury	<0.14 mg/kg	TM181		0.263 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		11.1 M	13.4 M	6.9 M	8.45 M	6.43 M	6.77 M
Selenium	<1 mg/kg	TM181		1.62 #	<1 #	1.71 #	1.42 #	1.45 #	1.71 #
Vanadium	<0.2 mg/kg	TM181		17.6 #	15.8 #	12.2 #	13.5 #	10.2 #	13 #
Zinc	<1.9 mg/kg	TM181		715 M	350 M	118 M	158 M	82.5 M	128 M

CERTIFICATE OF ANALYSIS

SDG:	120302-26	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0224
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	173647
Client Reference:	DiME Soil Samples Only	**Attention:**	Alex Mann	**Superseded Report:**	

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DIME TMP BASE 7	DIME TMP BASE 8	DIME TMP BASE 9	DIME TMP BASE 10		
			Depth (m)	.	.	.	.		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	01/03/2012	01/03/2012	01/03/2012	01/03/2012		
			Date Received	02/03/2012	02/03/2012	02/03/2012	02/03/2012		
			SDG Ref	120302-26	120302-26	120302-26	120302-26		
			Lab Sample No.(s)	5260870	5260872	5260874	5260878		
			AGS Reference						
pH	1 pH Units	TM133		10.1 M	10 M	10.3 M	9.65 M		
Arsenic	<0.6 mg/kg	TM181		8.18 M	6.36 M	4.78 M	11 M		
Cadmium	<0.02 mg/kg	TM181		0.0581 M	<0.02 M	<0.02 M	0.243 M		
Chromium	<0.9 mg/kg	TM181		11 M	13.6 M	8.75 M	9.77 M		
Copper	<1.4 mg/kg	TM181		22.8 M	15.4 M	9.43 M	44.4 M		
Lead	<0.7 mg/kg	TM181		48.9 M	32 M	18.3 M	144 M		
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	0.321 M		
Nickel	<0.2 mg/kg	TM181		6.25 M	7.42 M	6.29 M	7.91 M		
Selenium	<1 mg/kg	TM181		1.76 #	1.69 #	1.47 #	1.6 #		
Vanadium	<0.2 mg/kg	TM181		14.3 #	15 #	12.9 #	13.9 #		
Zinc	<1.9 mg/kg	TM181		131 M	86.7 M	52.1 M	473 M		

CERTIFICATE OF ANALYSIS

SDG:	120302-26	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0224
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	173647
Client Reference:	DiME Soil Samples Only	**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DIME TMP BASE 1	DIME TMP BASE 2	DIME TMP BASE 3	DIME TMP BASE 4	DIME TMP BASE 5	DIME TMP BASE 6
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	01/03/2012	01/03/2012	01/03/2012	01/03/2012	01/03/2012	01/03/2012
			Date Received	02/03/2012	02/03/2012	02/03/2012	02/03/2012	02/03/2012	02/03/2012
			SDG Ref	120302-26	120302-26	120302-26	120302-26	120302-26	120302-26
			Lab Sample No.(s)	5260861	5260862	5260863	5260867	5260868	5260869
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	181	<100	146	<100	<100
Carbazole	<100 µg/kg	TM157		<100	133	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	809	<100	<100	<100	616
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	220	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	163	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	393	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	120302-26	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0224
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	173647
Client Reference:	DiME Soil Samples Only	**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DIME TMP BASE 1	DIME TMP BASE 2	DIME TMP BASE 3	DIME TMP BASE 4	DIME TMP BASE 5	DIME TMP BASE 6
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	01/03/2012	01/03/2012	01/03/2012	01/03/2012	01/03/2012	01/03/2012
			Date Received	02/03/2012	02/03/2012	02/03/2012	02/03/2012	02/03/2012	02/03/2012
			SDG Ref	120302-26	120302-26	120302-26	120302-26	120302-26	120302-26
			Lab Sample No.(s)	5260861	5260862	5260863	5260867	5260868	5260869
			AGS Reference						
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		254	743	508	441	154	414
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		168	265	142	366	<100	135
Anthracene	<100 µg/kg	TM157		<100	304	<100	205	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		247	610	285	398	120	258
Benzo(b)fluoranthene	<100 µg/kg	TM157		290	605	301	485	132	439
Benzo(k)fluoranthene	<100 µg/kg	TM157		124	344	170	239	<100	201
Benzo(a)pyrene	<100 µg/kg	TM157		139	519	181	287	<100	232
Benzo(g,h,i)perylene	<100 µg/kg	TM157		154	344	188	270	<100	210
Chrysene	<100 µg/kg	TM157		1240	1330	857	1180	346	1120
Fluoranthene	<100 µg/kg	TM157		305	788	447	686	212	493
Fluorene	<100 µg/kg	TM157		184	460	185	360	<100	176
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	278	122	175	<100	141
Phenanthrene	<100 µg/kg	TM157		606	1350	663	1070	354	640
Pyrene	<100 µg/kg	TM157		862	1140	697	1040	432	869
Naphthalene	<100 µg/kg	TM157		138	241	168	153	<100	162
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	120302-26	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0224
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	173647
Client Reference:	DiME Soil Samples Only	**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DIME TMP BASE 7	DIME TMP BASE 8	DIME TMP BASE 9	DIME TMP BASE 10		
			Depth (m)	.	.	.	.		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	01/03/2012	01/03/2012	01/03/2012	01/03/2012		
			Date Received	02/03/2012	02/03/2012	02/03/2012	02/03/2012		
			SDG Ref	120302-26	120302-26	120302-26	120302-26		
			Lab Sample No.(s)	5260870	5260872	5260874	5260878		
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100		
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100		
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100		
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100		
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100		
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100		
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100		
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100		
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100		
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100		
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100		
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100		
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100		
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100		
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100		
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100		
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	611		
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100		
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100		
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100		
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100		
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100		
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100		
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100		
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100		
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100		
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100		
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100		
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100		
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100		
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100		
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100		
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100		
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100		
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100		

CERTIFICATE OF ANALYSIS

SDG:	120302-26	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0224
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	173647
Client Reference:	DiME Soil Samples Only	**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DIME TMP BASE 7	DIME TMP BASE 8	DIME TMP BASE 9	DIME TMP BASE 10		
			Depth (m)	.	.	.	.		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	01/03/2012	01/03/2012	01/03/2012	01/03/2012		
			Date Received	02/03/2012	02/03/2012	02/03/2012	02/03/2012		
			SDG Ref	120302-26	120302-26	120302-26	120302-26		
			Lab Sample No.(s)	5260870	5260872	5260874	5260878		
			AGS Reference						
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100		
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100		
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100		
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100		
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100		
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100		
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100		
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100		
2-Methylnaphthalene	<100 µg/kg	TM157		352	678	264	411		
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100		
Acenaphthene	<100 µg/kg	TM157		225	200	175	134		
Anthracene	<100 µg/kg	TM157		198	226	<100	<100		
Benzo(a)anthracene	<100 µg/kg	TM157		651	672	257	255		
Benzo(b)fluoranthene	<100 µg/kg	TM157		710	586	302	436		
Benzo(k)fluoranthene	<100 µg/kg	TM157		396	367	129	199		
Benzo(a)pyrene	<100 µg/kg	TM157		489	457	145	230		
Benzo(g,h,i)perylene	<100 µg/kg	TM157		362	321	160	208		
Chrysene	<100 µg/kg	TM157		1650	1660	1300	1110		
Fluoranthene	<100 µg/kg	TM157		984	953	317	488		
Fluorene	<100 µg/kg	TM157		255	266	191	174		
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		283	250	<100	140		
Phenanthrene	<100 µg/kg	TM157		1040	1150	631	635		
Pyrene	<100 µg/kg	TM157		1400	1430	898	862		
Naphthalene	<100 µg/kg	TM157		176	187	144	160		
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100		

CERTIFICATE OF ANALYSIS

SDG:	120302-26	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0224
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	173647
Client Reference:	DiME Soil Samples Only	**Attention:**	Alex Mann	**Superseded Report:**	

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
§	Deviating sample.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed

Component	LOD/Units	Method	Customer Sample R	DIME TMP BASE 1	DIME TMP BASE 2	DIME TMP BASE 3	DIME TMP BASE 4	DIME TMP BASE 5	DIME TMP BASE 6
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	01/03/2012	01/03/2012	01/03/2012	01/03/2012	01/03/2012	01/03/2012
			Date Received	02/03/2012	02/03/2012	02/03/2012	02/03/2012	02/03/2012	02/03/2012
			SDG Ref	120302-26	120302-26	120302-26	120302-26	120302-26	120302-26
			Lab Sample No.(s)	5260861	5260862	5260863	5260867	5260868	5260869
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		32 §	40 §	45 §	44 §	51 §	63 §
GRO >C5-C12	<44 µg/kg	TM089		7500	11000	8730	7210	9580	8920
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
Benzene	<10 µg/kg	TM089		<10 M	33.9 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	<2 M	<2 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	33.9	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		170	171	255	256	265	264
Aliphatics >C6-C8	<10 µg/kg	TM089		1510	1780	1980	2060	2540	2100
Aliphatics >C8-C10	<10 µg/kg	TM089		1740	2270	1740	1420	1990	1710
Aliphatics >C10-C12	<10 µg/kg	TM089		1750	3110	2160	1520	2080	2220
Aliphatics >C12-C16	<100 µg/kg	TM173		64700	113000	73300	101000	49900	75100
Aliphatics >C16-C21	<100 µg/kg	TM173		524000	520000	373000	470000	277000	257000
Aliphatics >C21-C35	<100 µg/kg	TM173		6170000	4840000	4690000	5210000	3050000	3580000
Aliphatics >C35-C44	<100 µg/kg	TM173		1290000	1360000	1140000	1430000	684000	598000
Total Aliphatics >C12-C44	<100 µg/kg	TM173		8050000	6830000	6270000	7220000	4060000	4510000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	33.9	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		1160	1510	1160	950	1330	1140
Aromatics >EC10-EC12	<10 µg/kg	TM089		1160	2070	1440	1010	1390	1480
Aromatics >EC12-EC16	<100 µg/kg	TM173		34000	89200	36000	45000	22700	27800
Aromatics >EC16-EC21	<100 µg/kg	TM173		424000	457000	273000	303000	171000	145000
Aromatics >EC21-EC35	<100 µg/kg	TM173		4520000	3670000	3300000	3540000	1890000	1690000
Aromatics >EC35-EC44	<100 µg/kg	TM173		1310000	1320000	1070000	1470000	601000	403000
Aromatics >EC40-EC44	<100 µg/kg	TM173		527000	561000	453000	649000	255000	170000
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		6290000	5540000	4680000	5360000	2680000	2270000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		14300000	12400000	11000000	12600000	6750000	6780000
Total Aliphatics >C5-35	<100 µg/kg	TM173		6760000	5480000	5140000	5790000	3380000	3920000
Total Aromatics >C5-35	<100 µg/kg	TM173		4980000	4220000	3610000	3890000	2080000	1870000
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		11700000	9700000	8750000	9680000	5470000	5780000

CERTIFICATE OF ANALYSIS

SDG:	120302-26	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0224
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	173647
Client Reference:	DiME Soil Samples Only	**Attention:**	Alex Mann	**Superseded Report:**	

TPH CWG (S)

Results Legend		Customer Sample R	DIME TMP BASE 7	DIME TMP BASE 8	DIME TMP BASE 9	DIME TMP BASE 10		
#	ISO17025 accredited.							
M	*m*CERTS accredited.							
§	Deviating sample.	Depth (m)	.	.	.	.		
aq	Aqueous / settled sample.	Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
diss.filt	Dissolved / filtered sample.	Date Sampled	01/03/2012	01/03/2012	01/03/2012	01/03/2012		
tot.unfilt	Total / unfiltered sample.	Date Received	02/03/2012	02/03/2012	02/03/2012	02/03/2012		
*	Subcontracted test.	SDG Ref	120302-26	120302-26	120302-26	120302-26		
**	% recovery 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)	5260870	5260872	5260874	5260878		
(F)	Trigger breach confirmed	AGS Reference						

Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	33 §	29 §	26 §	32 §		
GRO >C5-C12	<44 µg/kg	TM089	10200	8020	5580	7660		
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<5 #	<5 #	<5 #	<5 #		
Benzene	<10 µg/kg	TM089	<10 M	<10 M	39.4 M	36 M		
Toluene	<2 µg/kg	TM089	<2 M	<2 M	<2 M	41.8 M		
Ethylbenzene	<3 µg/kg	TM089	<3 M	<3 M	<3 M	<3 M		
m,p-Xylene	<6 µg/kg	TM089	<6 M	<6 M	<6 M	<6 M		
o-Xylene	<3 µg/kg	TM089	119 M	<3 M	<3 M	<3 M		
sum of detected mpo xylene by GC	<9 µg/kg	TM089	119	<9	<9	<9		
sum of detected BTEX by GC	<24 µg/kg	TM089	119	<24	39.4	77.8		
Aliphatics >C5-C6	<10 µg/kg	TM089	368	270	110	162		
Aliphatics >C6-C8	<10 µg/kg	TM089	3050	2180	1250	1380		
Aliphatics >C8-C10	<10 µg/kg	TM089	2120	1620	1290	1810		
Aliphatics >C10-C12	<10 µg/kg	TM089	1870	1730	1220	1820		
Aliphatics >C12-C16	<100 µg/kg	TM173	82200	75300	44600	77200		
Aliphatics >C16-C21	<100 µg/kg	TM173	502000	441000	354000	441000		
Aliphatics >C21-C35	<100 µg/kg	TM173	6770000	5900000	4800000	6980000		
Aliphatics >C35-C44	<100 µg/kg	TM173	1780000	1160000	1070000	1840000		
Total Aliphatics >C12-C44	<100 µg/kg	TM173	9130000	7570000	6270000	9330000		
Aromatics >EC5-EC7	<10 µg/kg	TM089	<10	<10	39.4	36		
Aromatics >EC7-EC8	<10 µg/kg	TM089	<10	<10	<10	41.8		
Aromatics >EC8-EC10	<10 µg/kg	TM089	1530	1080	860	1210		
Aromatics >EC10-EC12	<10 µg/kg	TM089	1240	1150	812	1210		
Aromatics >EC12-EC16	<100 µg/kg	TM173	42100	62700	26500	35700		
Aromatics >EC16-EC21	<100 µg/kg	TM173	362000	354000	234000	299000		
Aromatics >EC21-EC35	<100 µg/kg	TM173	4550000	4030000	3180000	4240000		
Aromatics >EC35-EC44	<100 µg/kg	TM173	1610000	1190000	919000	1540000		
Aromatics >EC40-EC44	<100 µg/kg	TM173	632000	501000	360000	613000		
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	6570000	5640000	4360000	6120000		
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	15700000	13200000	10600000	15500000		
Total Aliphatics >C5-35	<100 µg/kg	TM173	7360000	6420000	5210000	7500000		
Total Aromatics >C5-35	<100 µg/kg	TM173	4960000	4450000	3440000	4580000		
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173	12300000	10900000	8650000	12100000		